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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
90/014,309	05/24/2019	8032278	C13-03896.RE3

CONFIRMATION NO. 8724

POA ACCEPTANCE LETTER

27975
ADD+G - 27975
1135 East State Road 434, Suite 3001
Winter Springs, FL 32708

OC000000122675028

Date Mailed: 01/15/2021

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 01/13/2021.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/rbell/

Geotab Exhibit 1007
Geotab v. Omega

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
90/014,309	05/24/2019	8032278	C13-03896.RE3

CONFIRMATION NO. 8724

POWER OF ATTORNEY NOTICE

23643
Barnes & Thornburg LLP (IN)
11 S. Meridian Street
Indianapolis, IN 46204

OC000000122675027

Date Mailed: 01/15/2021

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 01/13/2021.

- The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/rbell/

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Bib Data Sheet

CONFIRMATION NO. 8724

SERIAL NUMBER	FILING OR 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
90/014,309	05/24/2019 RULE	701	3992	C13-03896.RE3

AIA (First Inventor to File): YES

INVENTORS

8032278, Residence Not Provided;
OMEGA PATENTS, LLC, DOUGLASVILLE, GA;
DAVID J. BAILEY (3RD PTY REQ.), ANAHEIM, CA;

APPLICANTS

KPPB LLP, (CALAMP), ANAHEIM, CA

**** CONTINUING DATA ****************************

This application is a REX of 11/773,272 07/03/2007 PAT 8032278
which is a CIP of 11/076,259 03/09/2005 PAT 7720597
which is a CON of 10/383,496 03/07/2003 PAT 7149623
which is a CON of 09/859,972 05/17/2001 PAT 6606561
which claims benefit of 60/264,811 01/29/2001
and claims benefit of 60/258,005 12/22/2000
and claims benefit of 60/251,552 12/06/2000
and claims benefit of 60/252,125 11/20/2000
and claims benefit of 60/236,890 09/29/2000
and claims benefit of 60/246,463 11/07/2000
and claims benefit of 60/222,777 08/03/2000
and claims benefit of 60/205,178 05/17/2000

**** FOREIGN APPLICATIONS **********************

		STATE OR COUNTRY	SHEETS DRAWING	TOTAL CLAIMS	INDEPENDENT CLAIMS
Foreign Priority claimed	☐ yes ☐ no			22	3
35 USC 119 (a-d) conditions met	☐ yes ☐ no ☐ Met after Allowance				
Verified and Acknowledged	Examiner's Signature Initials				

ADDRESS
27975

TITLE

Vehicle Tracking Unit with Downloadable Codes and Associated Methods

FILING FEE RECEIVED 12000	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	❑ All Fees ❑ 1.16 Fees (Filing) ❑ 1.17 Fees (Processing Ext. of time) ❑ 1.18 Fees (Issue) ❑ Other _____ ❑ Credit

PTO/AIA/82A (07-13)
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NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	90014309
Filing Date	May 24, 2019
First Named Inventor	
Title	Vehicle Tracking Unit with Downloadable Codes and Associated Methods
Art Unit	3992
Examiner Name	Sager, mark Alan
Attorney Docket Number	C13-03896.RE3/324721

SIGNATURE of Applicant or Patent Practitioner

Signature	/GLEN M. KELLETT/	Date (Optional)	2020-12-07
Name	GLEN M. KELLETT	Registration Number	60202
Title (if Applicant is a juristic entity)	Attorney of Record		
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☑ *Total of 1 forms are submitted.

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82B (07-13)
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POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 23643

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

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OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

CALAMP CORP.

☐ Inventor or Joint Inventor (title not required below)

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☑ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature		Date (Optional)	
Name	Stephen M. Moran, Esq.		
Title	Senior Vice President, General Counsel & Secretary		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☑ Total of 1 forms are submitted.

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Electronic Acknowledgement Receipt

EFS ID:	41313153
Application Number:	90014309
International Application Number:	
Confirmation Number:	8724
Title of Invention:	Vehicle Tracking Unit with Downloadable Codes and Associated Methods
First Named Inventor/Applicant Name:	8032278
Correspondence Address:	CHRISTOPHER F. REGAN, ESQUIRE ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, PA PO BOX 3791 - ORLANDO FL 32802-3791 US 4078412330 -
Filer:	Glen Madison Kellett/Stacy Tebo
Filer Authorized By:	Glen Madison Kellett
Attorney Docket Number:	C13-03896.RE3
Receipt Date:	07-DEC-2020
Filing Date:	24-MAY-2019
Time Stamp:	15:57:21
Application Type:	Reexam (Third Party)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	324721_POA.pdf	733906 2172d54246245a5c55a40c53038463d4073c78ac	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	733906		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

<u>New Applications Under 35 U.S.C. 111</u>
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
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If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
<u>New International Application Filed with the USPTO as a Receiving Office</u>
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

US008032278C3

(12) EX PARTE REEXAMINATION CERTIFICATE (11625th)

United States Patent

Flick

(10) Number: US 8,032,278 C3

(45) Certificate Issued: Jan. 8, 2020

(54) **VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS**

(75) Inventor: **Kenneth E. Flick**, Douglasville, GA (US)

(73) Assignee: **OMEGA PATENTS, L.L.C.**, Douglasville, GA (US)

Reexamination Request:
No. 90/014,309, May 24, 2019

Reexamination Certificate for:

Patent No.:	**8,032,278**
Issued:	**Oct. 4, 2011**
Appl. No.:	**11/773,272**
Filed:	**Jul. 3, 2007**

Reexamination Certificate C1 8,032,278 issued Dec. 28, 2016

Reexamination Certificate C2 8,032,278 issued Feb. 6, 2019

Related U.S. Application Data

(63) Continuation-in-part of application No. 11/076,259, filed on Mar. 9, 2005, now Pat. No. 7,720,597, which is a continuation of application No. 10/383,496, filed on Mar. 7, 2003, now Pat. No. 7,149,623, which is a continuation of application No. 09/859,972, filed on May 17, 2001, now Pat. No. 6,606,561.

(60) Provisional application No. 60/264,811, filed on Jan. 29, 2001, provisional application No. 60/258,005, filed on Dec. 22, 2000, provisional application No. 60/251,552, filed on Dec. 6, 2000, provisional application No. 60/252,125, filed on Nov. 20, 2000, provisional application No. 60/246,463, filed on Nov.

(Continued)

(51) **Int. Cl.**

G01C 21/00	(2006.01)
G08G 1/00	(2006.01)
G07C 5/00	(2006.01)
B60R 25/33	(2013.01)
B60R 25/04	(2013.01)
B60R 25/102	(2013.01)
B60R 25/045	(2013.01)
G08G 1/127	(2006.01)
B60R 25/104	(2013.01)

(52) **U.S. Cl.**

CPC ***G08G 1/20*** (2013.01); ***B60R 25/04*** (2013.01); ***B60R 25/045*** (2013.01); ***B60R 25/102*** (2013.01); ***B60R 25/104*** (2013.01); ***B60R 25/33*** (2013.01); ***G07C 5/008*** (2013.01); ***G08G 1/127*** (2013.01); ***G08G 1/205*** (2013.01); *B60R 2325/202* (2013.01); *B60R 2325/205* (2013.01); *B60W 2550/402* (2013.01)

(58) **Field of Classification Search**

None

See application file for complete search history.

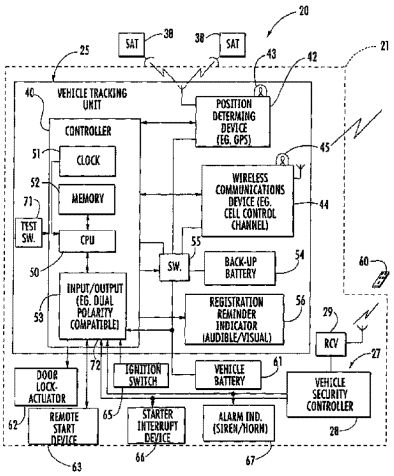
(56) **References Cited**

To view the complete listing of prior art documents cited during the proceeding for Reexamination Control Number 90/014,309, please refer to the USPTO's public Patent Application Information Retrieval (PAIR) system under the Display References tab.

Primary Examiner — Mark Sager

(57) **ABSTRACT**

A multi-vehicle compatible tracking unit is for a vehicle including a vehicle data bus extending throughout the vehicle. The vehicle tracking unit may include a vehicle position determining device, a wireless communications device, and a multi-vehicle compatible controller for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The multi-vehicle compatible controller may be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles. A downloading interface may be included for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multivehicle compatible controller.



Related U.S. Application Data

7, 2000, provisional application No. 60/236,890, filed on Sep. 29, 2000, provisional application No. 60/222, 777, filed on Aug. 3, 2000, provisional application No. 60/205,178, filed on May 17, 2000.

EX PARTE REEXAMINATION CERTIFICATE

NO AMENDMENTS HAVE BEEN MADE TO THE PATENT

AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT:

The patentability of claims **1-22** is confirmed.

* * * * *

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
90/014,309	05/24/2019	8032278	C13-03896.RE3	8724

7590 12/11/2019
CHRISTOPHER F. REGAN, ESQUIRE
ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, PA
PO BOX 3791
ORLANDO, FL 32802-3791

EXAMINER
SAGER, MARK ALAN

ART UNIT	PAPER NUMBER
3992	

MAIL DATE	DELIVERY MODE
12/11/2019	PAPER

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(THIRD PARTY REQUESTER'S CORRESPONDENCE ADDRESS)

David J. Bailey
KPPB LLP
2190 S. Towne Centre, Suite 300
Anaheim CA 92806

EX PARTE REEXAMINATION COMMUNICATION TRANSMITTAL FORM

REEXAMINATION CONTROL NO. *90/014,309* .

PATENT UNDER REEXAMINATION *8032278* .

ART UNIT *3992* .

Enclosed is a copy of the latest communication from the United States Patent and Trademark Office in the above identified *ex parte* reexamination proceeding (37 CFR 1.550(f)).

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PTOL-465 (Rev.07-04)

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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR/ PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
90/014,309	05/24/2019	8032278	C13-03896.RE3

		EXAMINER	
CHRISTOPHER F. REGAN, ESQUIRE ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, PA PO BOX 3791 ORLANDO, FL 32802-3791		Mark Sager	
		ART UNIT	PAPER
		3992	20191209

DATE MAILED: _____

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Commissioner for Patents

The information disclosure statement (IDS), received November 21, 2019, has been received and considered (See attached SB08b). The references listed on that IDS regard documents posted in related reexaminations that do not alter findings in the Notice to Issue Ex Parte Reexamination Certificate mailed November 27, 2019.

/Mark Sager/ Art Unit 3992, CRU	/Alex Kosowski/ Art Unit, 3992, CRU	/Stephen Stein/ MQAS, CRU

PTO-90C (Rev.04-03)

PTO/SB/08b (07-09)
Approved for use through 07/31/2016. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	90/014,309
Filing Date	MAY 24, 2019
First Named Inventor	Kenneth E. Flick
Art Unit	3992
Examiner Name	Mark Alan Sager
Attorney Docket Number	0058106CIP8_REX2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		UNITED STATES DISTRICT COURT MIDDLE DISTRICT OF FLORIDA ORLANDO DIVISION, Verdict Form, Case No. 6:13-cv-1950-0rl-40DCI, 7 pages, September 30, 2019.	
		FOSTER, EXAMINER ROLAND G., UNITED STATES PATENT AND TRADEMARK OFFICE, Notice of Intent to Issue ExParte Reexamination Certicate for Reexamination Control No. 90/014,038 dated August 21, 2019, 12 pages.	
		UNITED STATES PATENT AND TRADEMARK OFFICE, Ex Parte Reexamination Certificate US 6,756,885 C2, Certificate Issued October 25, 2019, 2 pages.	
		DESAI, EXAMINER RACHNA SINGH, UNITED STATES PATENT AND TRADEMARK OFFICE, Examiner's Answer for Reexamination Control No. 90/014,122 dated June 18, 2019, 27 pages.	
		ABID, ESQ. JACK G.; ALLEN, DYER, DOPPELT, MILBRATH + GILCHRIST, P.A., Patent Owner's Appeal Brief filed May 15, 2019 with the United States Patent and Trademark Office for Reexamination Control No. 90/014,122, 384 pages.	
		ABID, ESQ. JACK G.; ALLEN, DYER, DOPPELT, MILBRATH + GILCHRIST, P.A., Appellant's Reply Brief filed August 19, 2019 with the United States Patent and Trademark Office for Reexamination Control No. 90/014,122, 29 pages.	

Examiner Signature	/MARK SAGER/	Date Considered	12/09/2019

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.S./

Reexamination	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90/014,309	8032278
	Certificate Date	Certificate Number C3

Requester Correspondence Address: ☐ **Patent Owner** ☑ **Third Party**

David J. Bailey
KPPB LLP
2190 S. Towne Centre, Suite 300
Anaheim CA 92806

LITIGATION REVIEW ☑	/MS/ (examiner initials)	12 November 2019 (date)
Case Name		Director Initials
6:13cv1950-PGB-DAB (M.D. Fla. Dec 20, 2013)		SJS for JC
1:14cv2769 stayed pending outcome of reexam Jan 31, 2018		

COPENDING OFFICE PROCEEDINGS	
TYPE OF PROCEEDING	**NUMBER**
NONE	

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90/014,309	05/24/2019	8032278	C13-03896.RE3	8724

7590 11/27/2019
CHRISTOPHER F. REGAN, ESQUIRE
ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, PA
PO BOX 3791
ORLANDO, FL 32802-3791

EXAMINER
SAGER, MARK ALAN

ART UNIT	PAPER NUMBER
3992	

MAIL DATE	DELIVERY MODE
11/27/2019	PAPER

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PTOL-90A (Rev. 04/07)

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David J. Bailey
KPPB LLP
2190 S. Towne Centre, Suite 300
Anaheim CA 92806

EX PARTE REEXAMINATION COMMUNICATION TRANSMITTAL FORM

REEXAMINATION CONTROL NO. *90/014,309* .

PATENT UNDER REEXAMINATION *8032278* .

ART UNIT *3992* .

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Where this copy is supplied after the reply by requester, 37 CFR 1.535, or the time for filing a reply has passed, no submission on behalf of the *ex parte* reexamination requester will be acknowledged or considered (37 CFR 1.550(g)).

PTOL-465 (Rev.07-04)

Notice of Intent to Issue Ex Parte Reexamination Certificate	**Control No.** 90/014,309	**Patent Under Reexamination** 8032278	
	Examiner MARK A SAGER	**Art Unit** 3992	**AIA Status** No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1. ☑ Prosecution on the merits is (or remains) closed in this *ex parte* reexamination proceeding. This proceeding is subject to reopening at the initiative of the Office or upon petition. *Cf.* 37 CFR 1.313(a). A Certificate will be issued in view of
   (a) ☐ Patent owner's communication(s) filed: _____.
   (b) ☐ Patent owner's failure to file an appropriate timely response to the Office action mailed: _____.
   (c) ☐ Patent owner's failure to timely file an Appeal Brief (37 CFR 41.31).
   (d) ☐ The decision on appeal by the ☐ Board of Patent Appeals and Interferences ☐ Court dated _____
   (e) ☑ Other: Reasons for Allowance noted in #4.
2. The Reexamination Certificate will indicate the following:
   (a) Change in the Specification: ☐ Yes ☑ No
   (b) Change in the Drawing(s): ☐ Yes ☑ No
   (c) Status of the Claim(s):
      (1) Patent claim(s) confirmed: 1-22.
      (2) Patent claim(s) amended (including dependent on amended claim(s)): _____
      (3) Patent claim(s) canceled: _____.
      (4) Newly presented claim(s) patentable: _____.
      (5) Newly presented canceled claims: _____.
      (6) Patent claim(s) ☐ previously ☐ currently disclaimed: _____
      (7) Patent claim(s) not subject to reexamination: _____.
3. ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
4. ☑ Note the attached statement of reasons for patentability and/or confirmation. Any comments considered necessary by patent owner regarding reasons for patentability and/or confirmation must be submitted promptly to avoid processing delays. Such submission(s) should be labeled: "Comments On Statement of Reasons for Patentability and/or Confirmation."
5. ☐ Note attached NOTICE OF REFERENCES CITED (PTO-892).
6. ☐ Note attached LIST OF REFERENCES CITED (PTO/SB/08 or PTO/SB/08 substitute).
7. ☐ The drawing correction request filed on _____ is: ☐approved ☐disapproved.
8. ☐ Acknowledgment is made of the priority claim under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐None of the certified copies have
      ☐been received.
      ☐not been received.
      ☐been filed in Application No. _____.
      ☐been filed in reexamination Control No. _____.
      ☐been received by the International Bureau in PCT Application No. _____.

   * Certified copies not received: _____.
9. ☐ Note attached Examiner's Amendment.
10. ☐ Note attached Interview Summary (PTO-474).
11. ☐ Other: _____.

All correspondence relating to this reexamination proceeding should be directed to the **Central Reexamination Unit** at the mail, FAX, or hand-carry addresses given at the end of this Office action.

/Mark Sager/ Reexamination Specialist, Art Unit 3992	

cc: Requester (if third party requester)

Notice of Pre-AIA or AIA Status

1. The present application is being examined under the pre-AIA first to invent provisions.

2. The request (the "Request") for *ex parte* reexamination of claims 1-22 of U.S. Patent No. 8,032,278 ("the '278 patent") filed on May 24, 2019 was granted in Order mailed July 10, 2019.

References

3. The following references are relied on herein

(1) U.S. Patent No. **6,430,164** to **Jones et al**, published August 6, 2002, filed November 1 1999, (hereinafter also referred to as **'164, Jones**, or **Exhibit I**).

(2) "CellPort Delivers Wireless, Vehicle-Based Applications Platform; Announces CP2100 Mobile Network Server," published July 26, 1999, (hereinafter also referred to as **Cell Port Labs Press Release,** as **CPL** or **Exhibit F**).

(3) "A Demonstration Project for the ITS Data Bus Prototype," published in 1998, (hereinafter also referred to as **Spelt** or **Exhibit G**).

(4) "Prep for a Multimedia Future," published August 19, 1999 (hereinafter also referred to as **Auto Electronics** or **Exhibit H**).

(5) SAE HS-3000 publication, "SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual" (1994 and 1997 Editions), copyright 1994 and 1997 respectively, (hereinafter also referred to as **SAE HS-3000** or as **Exhibits J and K**).

Extensions of Time

4. Extensions of time under 37 CFR 1.136(a) will not be permitted in these proceedings because the provisions of 37 CFR 1.136 apply only to "an applicant" and not to parties in a reexamination proceeding. Additionally, 35 U.S.C. 305 requires that reexamination proceedings "will be conducted with special dispatch" (37 CFR 1.550(a)). Extension of time in *ex parte* reexamination proceedings are provided for in 37 CFR 1.550(c).

Notification of Concurrent Proceedings

5. The patent owner is reminded of the continuing responsibility under 37 CFR 1.565(a) to apprise the Office of any litigation activity, or other prior or concurrent proceeding, involving

Patent No. 8032278 throughout the course of this reexamination proceeding. The third party requester is also reminded of the ability to similarly apprise the Office of any such activity or proceeding throughout the course of this reexamination proceeding. See MPEP §§ 2207, 2282 and 2286.

Amendment in Reexamination Proceedings

6. The patent owner is notified that any proposed amendment to the specification and/or claims in this reexamination proceeding must comply with 37 CFR 1.530(d)-(j), must be formally presented pursuant to 37 CFR 1.52(a) and (b), and must contain any fees required by 37 CFR 1.20(c).

Submissions

7. In order to insure full consideration of any amendments, affidavits or declarations or other documents as evidence of patentability, such documents must be submitted in response to the first Office action on the merits (which does not result in a close of prosecution). Submissions after the second Office action on the merits, which is intended to be a final action, will be governed by the requirements of 37 CFR 1.116, after final rejection and by 37 CFR 41.33 after appeal, which will be strictly enforced.

Claim Construction

8. The claims under reexamination are given the broadest reasonable interpretation consistent with the specification. See *In re Yamamoto*, 740 F.2d 1569, 222 USPQ 934 (Fed. Cir. 1984). For claims of an expired patent, the standard for claim construction set forth in *Phillips v. AWH Corp.*, 415 F.3d 1303, 75 USPQ2d 1321 (Fed. Cir. 2005) (words of a claim "are generally given their ordinary and customary meaning" as understood by a person of ordinary skill in the art at the time of the invention) would apply since expired claims are not subject to amendment.

See MPEP § 2258(I)(G). We interpret claims of an unexpired patent using the broadest reasonable construction in light of the specification of the patent in which they appear. See 37 C.F.R. § 42.100(b); *Cuozzo Speed Techs., LLC v. Lee*, 136 S. Ct. 2131, 2144-45 (2016). In applying a broadest reasonable construction, claim terms generally are given their ordinary and customary meaning, as would be understood by one of ordinary skill in the art in the context of the entire disclosure. See *In re Translogic Tech., Inc.*, 504 F.3d 1249, 1257 (Fed. Cir. 2007). The '278 Patent at issue herein has not expired, so the claims in this reexamination are given the broadest reasonable interpretation consistent with '2786 disclosure where claim terms generally are given their ordinary and customary meaning, as would be understood by one of ordinary skill in the art in the context of the entire disclosure.

Service of Papers

9. After filing of a request for *ex parte* reexamination by a third party requester, any document filed by either the patent owner or the third party requester must be served on the other party (or parties where two or more third party requester proceedings are merged) in the reexamination proceeding in the manner provided in 37 CFR 1.248. The document must reflect service or the document may be refused consideration by the Office. See 37 CFR 1.550(f).

Filing Date

10. The earliest effective filing date the '278 patent is entitled to is July 3, 2007 (see paragraph 2 of the non-final rejection mailed 5/6/2016 in 90/013,587 discussed *infra*).

Reexamination

11. Claims 1-22 are confirmed.

STATEMENT OF REASONS FOR PATENTABILITY AND/OR CONFIRMATION

The following is an examiner's statement of reasons for patentability and/or confirmation of the claims found patentable in this reexamination proceeding: lacking evidence to the contrary in this record regarding cited claims at issue herein, with broadest reasonable interpretation of the claims in light of '278 without reading a limitation from '278 into the claims, upon consideration of the references (Jones, Cell Port Labs Press Release, Spelt, SAE HS-3000 and AutoElectronics) in Request, alone or in combination, lack suggesting/teaching "*said multi-vehicle controller* to be coupled to the *vehicle data bus* for communication thereover with *at least one vehicle device* using at least one corresponding vehicle device code from among a plurality thereof for different vehicles" and "*downloading interface* for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller" as particularly recited in independent claims 1, 13 and 18. For instance, although Cell Port Labs Press Release and Jones each describe CP2100 as vehicle controller in the Request, the discussion in these two references does not disclose, teach or suggest, alone or in combination with references in the Request, the specifically recited "said *multi-vehicle compatible controller* to be *coupled to the vehicle data bus* for communication thereover *with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles*." Also, although Spelt discusses a demonstration of CellPort's ITS data bus (IDB), Spelt states the IDB is connected to the vehicle multiplex through a gateway, where the gateway, under control of the auto company, acts as a firewall allowing only authorized message traffic to pass between the auto's multiplex bus and the IDB devices. Further, the respective 1994 and 1997 SAE HS-3000 Manuals regard vehicle diagnostic by test equipment that discuss a bus discovery process used by a scan tool that

requires temporary hard-wire connection for the diagnostics. These respective Manuals state that vehicle device codes are proprietary to auto manufacturers. Thus, taken as a whole at time of the invention, there is a lack of a stated motivation/rationale in the Request to combine and, in any event, inadequate factual support in these references in the Request when taken as whole, either alone or in combination, to teach or suggest the specifically recited "*said multi-vehicle controller* to be coupled to the *vehicle data bus* for communication thereover with *at least one vehicle device* using at least one corresponding vehicle device code from among a plurality thereof for different vehicles" and "*downloading interface* for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller" The Request fails to present basis for limitations being inherent (i.e., including Request statements of "necessarily must") and fails to clearly state rationale for combining these references to demonstrate an artisan would interpret the claimed invention including a multi-vehicle controller and a downloading interface as recited in claims at issue herein is unpatentable when taken as a whole for what the facts in the references describe at time of the invention.

Any comments considered necessary by PATENT OWNER regarding the above statement must be submitted promptly to avoid processing delays. Such submission by the patent owner should be labeled: "Comments on Statement of Reasons for Patentability and/or Confirmation" and will be placed in the reexamination file.

Correspondence

12. **All** correspondence relating to this ex parte reexamination proceeding should be directed:

By Mail to: Mail Stop *Ex Parte* Reexam
Central Reexamination Unit
Commissioner for Patents
United States Patent & Trademark Office

P.O. Box 1450
Alexandria, VA 22313-1450

By FAX to: (571) 273-9900
Central Reexamination Unit

By hand: Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Registered users of EFS-Web may alternatively submit such correspondence via the electronic filing system EFS-Web, at https://efs.uspto.gov/efile/myportal/efs-registered. EFS-Web offers the benefit of quick submission to the particular area of the Office that needs to act on the correspondence. Also, EFS-Web submissions are "soft scanned" (i.e., electronically uploaded) directly into the official file for the reexamination proceeding, which offers parties the opportunity to review the content of their submissions after the "soft scanning" process is complete.

Any inquiry concerning this communication should be directed to the Central Reexamination Unit at telephone number 571-272-7705.

Other useful telephone numbers:

Reexamination Practice (571) 272-7703

/Mark Sager/
Patent Reexam Specialist, Art Unit 3992

/F.O.F/
Reexamination Specialist, Art Unit 3992

/ALEXANDER J KOSOWSKI/
Supervisory Patent Examiner, Art Unit 3992

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90/014,309	8032278
	Examiner	**Art Unit**
	MARK A SAGER	3992

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS

☑ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	11/13/2019								
	1	=								
	2	=								
	3	=								
	4	=								
	5	=								
	6	=								
	7	=								
	8	=								
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	19	=								
	20	=								
	21	=								
	22	=								

Reexamination	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90/014,309	8032278
	Certificate Date	**Certificate Number**
	Februarry 6, 2019	C2

Requester Correspondence Address: ☐ **Patent Owner** ☑ **Third Party**

David J. Bailey
KPPB LLP
2190 S. Towne Centre, Suite 300
Anaheim CA 92806

LITIGATION REVIEW ☑	/MS/ (examiner initials)	12 November 2019 (date)
Case Name		Director Initials
6:13cv1950-PGB-DAB (M.D. Fla. Dec 20, 2013)		
1:14cv2769 stayed pending outcome of reexam Jan 31, 2018		

COPENDING OFFICE PROCEEDINGS	
TYPE OF PROCEEDING	**NUMBER**

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90/014,309	8032278
	Examiner	Art Unit
	MARK A SAGER	3992

CPC - Searched*		
Symbol	Date	Examiner

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Reviewed prosecution history of 8032278 including 90/013587 and 90/013851. Also reviewed 90/03569, 90/013741, 90/01422 and 90/014038 discussed in Request.	06/17/2019	MS
updated review/search of file history	11/13/2019	MS

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/Mark Sager/ Primary Examiner, Art Unit 3992	

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90/014,309	8032278
	Examiner	**Art Unit**
	MARK A SAGER	3992

CPC						
Symbol					**Type**	**Version**
G08G	/	1	/	20	F	2013-01-01
G07C	/	5	/	008	I	2013-01-01
B60R	/	25	/	33	I	2013-01-01
B60R	/	25	/	04	I	2013-01-01
B60R	/	25	/	102	I	2013-01-01
B60R	/	25	/	045	I	2013-01-01
G08G	/	1	/	127	I	2013-01-01
G08G	/	1	/	205	I	2013-01-01
B60R	/	25	/	104	I	2013-01-01
B60R	/	2325	/	205	A	2013-01-01
B60R	/	2325	/	202	A	2013-01-01
B60W	/	2550	/	402	A	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE (Assistant Examiner) (Date)		**Total Claims Allowed:** 22	
/Mark Sager/ (Primary Examiner) (Date)	18 November 2019	O.G. Print Claim(s) 1	O.G. Print Figure 2

U.S. Patent and Trademark Office Part of Paper No.: 20191031

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90/014,309	8032278
	Examiner	**Art Unit**
	MARK A SAGER	3992

INTERNATIONAL CLASSIFICATION				
CLAIMED				
G01C	/	21	/	00

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
701	36

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					
382	104					
701	29.3	29.6				

NONE (Assistant Examiner) (Date)		**Total Claims Allowed:** 22	
/Mark Sager/ (Primary Examiner)	18 November 2019 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 2

U.S. Patent and Trademark Office Part of Paper No.: 20191031

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90/014,309	8032278
	Examiner	**Art Unit**
	MARK A SAGER	3992

☑ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1		10		19										
	2		11		20										
	3		12		21										
	4		13		22										
	5		14												
	6		15												
	7		16												
	8		17												
	9		18												

NONE (Assistant Examiner) (Date)		**Total Claims Allowed:** 22	
/Mark Sager/ (Primary Examiner) (Date)	18 November 2019	O.G. Print Claim(s) 1	O.G. Print Figure 2

U.S. Patent and Trademark Office Part of Paper No.: 20191031

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of **KENNETH E. FLICK**	)	
Request for Reexamination of **U.S. PATENT NO. 8,032,278**	)	
Control No. **90/014,309**	)	
Confirmation No. **8724**	)	Examiner:
Filing Date: **May 24, 2019**	)	Art Unit
For: **VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS**	)	Attorney Docket No.: **C13-03896.3 (58106CIP1_REX3)**

FILING UNDER 37 C.F.R. §1.565

EFILE
Commissioner for Patents

Commissioner:

Pursuant to 37 C.F.R. §1.565 and §41.37(c)(1)(ii), the Patent Owner respectfully advises that in the related litigation with the Requester, the second trial concluded with a Jury Verdict, on September 30, 219, finding that the Requester infringed the present '278 patent and the related '727 patent. The Jury Verdict also found damages in the amount of $4,586,111.

The Commissioner is hereby authorized to charge or credit any discrepancies in fee amounts to Deposit Account No. 01-0484.

Respectfully submitted,

/Jack G. Abid/

_____/

JACK GEORGE ABID
Reg. No. 58,237
Allen, Dyer, Doppelt +
Gilchrist, P.A.
255 S. Orange Avenue, Suite 1401
Post Office Box 3791
Orlando, Florida 32802
407-841-2330
407-841-2343 fax
Attorney for the Patent Owner

CERTIFICATE OF SERVICE

Certificate of Service in compliance with 37 C.F.R. §1.530(c)

Pursuant to 37 C.F.R. §§1.530(c), 1.248, I hereby certify that on November 22, 2019, a complete copy of this Request is being served via First Class U.S. Mail upon Third Party Requester at the correspondence address as shown in PAIR:

KPPB LLP
2190 S. Towne Centre Place
Suite 300
Anaheim CA 92806

Respectfully submitted,

/JACK GEORGE ABID/

_____
Jack G. Abid

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of **KENNETH E. FLICK**	)	
Request for Reexamination of **U.S. PATENT NO. 8,032,278**	)	
Control No. **90/014,309**	)	
Confirmation No. **8724**	)	Examiner:
Filing Date: **May 24, 2019**	)	Art Unit
For: **VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS**	)	Attorney Docket No.: **C13-03896.3 (58106CIP1_REX3)**

INTERVIEW SUMMARY OF TELEPHONE CALL OF NOVEMBER 11, 2019

EFILE
Commissioner for Patents

Commissioner:

The Patent Owner thanks the U.S. Patent and Trademark Office and Central Reexamination Unit Specialist Stephen Stein for extending all courtesies to the Patent Owner's Representative during the telephonic conference of November 11, 2019.

During the telephonic conference, Specialist Stein explained the rationale behind the prior Decisions Expunging/Returning Papers in Reexamination. In particular, Specialist Stein explained the USPTO's position that the scope of the Patent Owner's duties with regards to 37 C.F.R. §1.565 and §41.37(c)(1)(ii) relates only to proceedings and reexaminations related to the present U.S. Patent No. 8,032,278.

Also, Specialist Stein explained the USPTO's position that the scope of the Patent Owner's duties with regards to 37 C.F.R. §1.565 and §41.37(c)(1)(ii) was not limited to simple bare notice, but should not include arguments for patentability.

The Commissioner is hereby authorized to charge or credit any discrepancies in fee amounts to Deposit Account No. 01-0484.

Respectfully submitted,

/Jack G. Abid/

_____
JACK GEORGE ABID
Reg. No. 58,237
Allen, Dyer, Doppelt +
Gilchrist, P.A.
255 S. Orange Avenue, Suite 1401
Post Office Box 3791
Orlando, Florida 32802
407-841-2330
407-841-2343 fax
Attorney for the Patent Owner

CERTIFICATE OF SERVICE

Certificate of Service in compliance with 37 C.F.R. §1.530(c)

Pursuant to 37 C.F.R. §§1.530(c), 1.248, I hereby certify that on November 22, 2019, a complete copy of this Request is being served via First Class U.S. Mail upon Third Party Requester at the correspondence address as shown in PAIR:

KPPB LLP
2190 S. Towne Centre Place
Suite 300
Anaheim CA 92806

Respectfully submitted,

/JACK GEORGE ABID/

_____
Jack G. Abid

Electronic Acknowledgement Receipt

EFS ID:	37831984
Application Number:	90014309
International Application Number:	
Confirmation Number:	8724
Title of Invention:	Vehicle Tracking Unit with Downloadable Codes and Associated Methods
First Named Inventor/Applicant Name:	8032278
Correspondence Address:	CHRISTOPHER F. REGAN, ESQUIRE ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, PA PO BOX 3791 - ORLANDO FL 32802-3791 US 4078412330 -
Filer:	Jack G. Abid/Sheryl Scheibe
Filer Authorized By:	Jack G. Abid
Attorney Docket Number:	C13-03896.RE3
Receipt Date:	22-NOV-2019
Filing Date:	24-MAY-2019
Time Stamp:	13:08:25
Application Type:	Reexam (Patent Owner)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		SS58106CIP1REX3MISC.pdf	137320 6d7ab066074834901649533349dfe9bb02ba5dd99	yes	6

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Miscellaneous Incoming Letter	4	6
Miscellaneous Incoming Letter	1	3

Warnings:

The page size in the PDF is too large. The pages should be 8.5 x 11 or A4. If this PDF is submitted, the pages will be resized upon entry into the Image File Wrapper and may affect subsequent processing

Information:

Total Files Size (in bytes):	137320

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

<u>New Applications Under 35 U.S.C. 111</u>
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
<u>National Stage of an International Application under 35 U.S.C. 371</u>
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
<u>New International Application Filed with the USPTO as a Receiving Office</u>
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of **KENNETH E. FLICK**	
Request for Reexamination of **U.S. PATENT NO. 8,032,278**	Examiner: **Mark Alan Sager**
Control No. **90/014,309**	Art Unit: **3992**
Confirmation No. **8724**	Attorney Docket No. **C13-03896.3 (58106CIP1_REX3)**
Filing Date: **May 24, 2019**	
For: **VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS**	

CITATION UNDER 37 CFR § 1.555

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Commissioner:

Attached is Form PTO/SB/08b listing several references for consideration in the examination of the above-identified application. It is requested that these references be considered by the Examiner and officially made of record. The Commissioner is hereby authorized to charge or credit any discrepancies in fee amounts to Deposit Account No. 01-0484.

Respectfully submitted,

/ CHRISTOPHER F. REGAN /

CHRISTOPHER F. REGAN
Reg. No. 34,906
Allen, Dyer, Doppelt,
+ Gilchrist, P.A.
255 S. Orange Avenue, Suite 1401
Post Office Box 3791
Orlando, Florida 32802
407/841-2330
Attorney for Patent Owner

Electronic Acknowledgement Receipt

EFS ID:	37814222
Application Number:	90014309
International Application Number:	
Confirmation Number:	8724
Title of Invention:	Vehicle Tracking Unit with Downloadable Codes and Associated Methods
First Named Inventor/Applicant Name:	8032278
Correspondence Address:	CHRISTOPHER F. REGAN, ESQUIRE ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, PA PO BOX 3791 - ORLANDO FL 32802-3791 US 4078412330 -
Filer:	Christopher F. Regan/Dawn Kimler
Filer Authorized By:	Christopher F. Regan
Attorney Docket Number:	C13-03896.RE3
Receipt Date:	21-NOV-2019
Filing Date:	24-MAY-2019
Time Stamp:	10:42:22
Application Type:	Reexam (Patent Owner)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		2019-11-21_IDS.pdf	153234 bf1ea0840c9c27d4e7a655a904f11785975878a4	yes	3
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Information Disclosure Statement (IDS) Form (SB08)		2	3	
	Transmittal Letter		1	1	
Warnings:					
The page size in the PDF is too large. The pages should be 8.5 x 11 or A4. If this PDF is submitted, the pages will be resized upon entry into the Image File Wrapper and may affect subsequent processing					
Information:					
2	Non Patent Literature	NPL_APPEALBRIEF876.pdf	15060572 dfa00dfe67936cc8fad117a1ffbb5e7db3b6814d	no	384
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Information:					
3	Non Patent Literature	NPL_REPLYBRIEF876.pdf	937697 b6a751eb856fd49817f30c3c6a9dbe6d84b4d571	no	29
Warnings:					
Information:					
4	Non Patent Literature	NPL_REXAM_CERT885.pdf	83201 823f91a7bb6b3c42280ddd05d7d70b8522fb2326	no	2
Warnings:					
Information:					
5	Non Patent Literature	NPL_VERDICT876.pdf	228387 826f95eec4e011933185a2af9f8691d2c770adbc	no	7
Warnings:					
Information:					
6	Non Patent Literature	NPL_EXAMINERS_ANSWER876.pdf	4427100 bb8babec4265e7ea0813f1b78ca0aa5d6cd0b395	no	27

Warnings:					
Information:					
7	Non Patent Literature	NPL_INTENT_NOTICE885.pdf	1791118 198c5787d00371d69aada11f0c64c45066bbfbf6	no	12
Warnings:					
Information:					
			Total Files Size (in bytes):	22681309	

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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
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If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/08b (07-09)
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	90/014,309
Filing Date	MAY 24, 2019
First Named Inventor	Kenneth E. Flick
Art Unit	3992
Examiner Name	Mark Alan Sager
Attorney Docket Number	0058106CIP8_REX2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		UNITED STATES DISTRICT COURT MIDDLE DISTRICT OF FLORIDA ORLANDO DIVISION, Verdict Form, Case No. 6:13-cv-1950-0rl-40DCI, 7 pages, September 30, 2019.	
		FOSTER, EXAMINER ROLAND G., UNITED STATES PATENT AND TRADEMARK OFFICE, Notice of Intent to Issue ExParte Reexamination Certicate for Reexamination Control No. 90/014,038 dated August 21, 2019, 12 pages.	
		UNITED STATES PATENT AND TRADEMARK OFFICE, Ex Parte Reexamination Certificate US 6,756,885 C2, Certificate Issued October 25, 2019, 2 pages.	
		DESAI, EXAMINER RACHNA SINGH, UNITED STATES PATENT AND TRADEMARK OFFICE, Examiner's Answer for Reexamination Control No. 90/014,122 dated June 18, 2019, 27 pages.	
		ABID, ESQ. JACK G.; ALLEN, DYER, DOPPELT, MILBRATH + GILCHRIST, P.A., Patent Owner's Appeal Brief filed May 15, 2019 with the United States Patent and Trademark Office for Reexamination Control No. 90/014,122, 384 pages.	
		ABID, ESQ. JACK G.; ALLEN, DYER, DOPPELT, MILBRATH + GILCHRIST, P.A., Appellant's Reply Brief filed August 19, 2019 with the United States Patent and Trademark Office for Reexamination Control No. 90/014,122, 29 pages.	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Litigation Search Report OCRU

Control No. 90/014,309

To: SAGER, Mark Location: Central Reexam Unit Art Unit: 3992 Date: 11/13/19 Case Serial Number: 90/014,309	From: Monica A. Graves Location: OCRU, REM 4B76 Phone: (571) 272-7253 monica.graves@uspto.gov

Search Notes

Litigation search for U.S. Patent Number – 8,032,278

Litigation Found

1) I performed a KeyCite Search in Westlaw, which retrieves all history on the patent including any litigation.

2) I performed a search on the patent in Lexis CourtLink for any open dockets or closed cases.

3) I performed a search in Lexis in the Federal Courts and Administrative Materials databases for any cases found.

4) I performed a search in Lexis in the IP Journal and Periodicals database for any articles on the patent.

5) I performed a search in Lexis in the news databases for any articles about the patent or any articles about litigation on this patent.

Citing References (89)

Treatment	Title	Date	Type	Depth	Headnote(s)
Examined by	**1. Omega Patents, LLC v. Calamp Corp.** 2015 WL 12830497, *1+ , M.D.Fla. , (NO. 613CV1950ORL40DAB) This cause comes before the Court without oral argument on the following: 1. Plaintiff's Motion and Memorandum for Summary Judgment as to Validity, Infringement, Enforceability and... ... the '876 Patent")U.S. Patent No. 6,737,989 ("the '989 Patent")U.S. Patent No. 6,756,885 ("the '885 Patent")U.S. Patent No. 7,671,727 ("the '727 Patent"), and U.S. Patent No. 8,032,278 ("the '278 Patent ") (collectively, the "patents-in-suit"). (Doc. 1). The patents-in-suit relate to control systems for vehicles with a ...	Dec. 23, 2015	Case		—
Examined by	**2. Patent Owner's Supplemental Appeal Brief** Ex Parte Omega Patents, L.L.C. 2018 WL 6257407, *1+ , Patent Tr. & App. Bd. (Administrative Filing) , (NO. APPLICATION90/013851) ... Interferences, and Trials At present there are no related appeals, or interferences. There are two related trials.I. First Trial In the first trial, the ' 278 patent was subject to a litigation between the Requester and the Patent Owner. The Patent Owner filed its complaint alleging patent infringement against the Requester ...	Feb. 27, 2018	Administrative Filing		—
Examined by	**3. Patent Owner's Appeal Brief** Ex Parte Omega Patents, L.L.C. 2018 WL 6257406, *1+ , Patent Tr. & App. Bd. (Administrative Filing) , (NO. APPLICATION90/013851) ... Interferences, and Trials At present there are no related appeals, or interferences. There are two related trials.I. First Trial In the first trial, the ' 278 patent was subject to a litigation between the Requester and the Patent Owner. The Patent Owner filed its complaint alleging patent infringement against the Requester ...	Jan. 17, 2018	Administrative Filing		—
Examined by	**4. Appellants' Appeal Brief** Ex Parte Kenneth E. Flick. 2015 WL 13545129, *1+ , Patent Tr. & App. Bd. (Administrative Filing) , (NO. APPLICATION13/826752) ... al.The Examiner rejected independent Claims 1, 21, 39, 50, 70, and 88 over a four-way combination of U.S. Patent No. 8,362,886 to Flick, U.S. Patent No. 8,032,278 to Flick, Reinold et al., and Fein et al., with two of the four references having common inventorship with the present application ...	Sep. 17, 2015	Administrative Filing		—

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Treatment	Title	Date	Type	Depth	Headnote(s)
Examined by	**5. Corrected Opening Brief of Defendant-Appellant CalAmp Corp.** OMEGA PATENTS, LLC, Plaintiff-Appellee, v. CALAMP CORP., Defendant-Appellant. 2018 WL 2045178, *1+ , Fed.Cir. (Appellate Brief) , (NO. 18-1309) ... Device." 20 II. THE ACCUSED PRODUCTS DO NOT INFRINGE OMEGA'S PATENTS. 21 A. The Accused Products Do Not Satisfy The "Device Codes" Limitations Of The ' 278 '885, And '876 Patents 22 1. The accused products do not use a vehicle device code as required by the ' 278 patent 22 2. The ...	Apr. 25, 2018	Brief		—
Examined by	**6. Declaration of Eric Andrews in Support of Defendant Calamp Corp.'s Motion for Summary Judgment of Noninfringement** OMEGA PATENTS, LLC, a Georgia limited liability company, Plaintiff, v. CALAMP CORP., a Delaware corporation, Defendant. 2015 WL 12856650, *1+ , M.D.Fla. (Expert Report and Affidavit) , (NO. 613-CV-1950-PGB-DAB) ... asserted patents in this matter, U.S. Patent Nos. 6,346,876 (the '876 patent)6,737,989 (the '989 patent)6,756,885 (the '885 patent)7,671,727 (the '727 patent), and 8,032,278 (the '278 patent) along with the file histories for the asserted patents. I am informed that copies of the asserted patents were attached as Exhibits ...	July 01, 2015	Expert Materials		—
Examined by	**7. Expert Report of Eric Andrews Regarding Invalidity** OMEGA PATENTS, LLC., v. CALAMP CORP. 2015 WL 12856648, *1+ , M.D.Fla. (Expert Report and Affidavit) , (NO. 613-CV-01950-PGB-DAB) ... over '074 Spaur and SAE J1979 78 6.7 Invalidity of '727 over NeoTech Mobile-Trak II and SAE J1979 90 6.8 Invalidity of ' 278 over '392 Bambini and SAE J1978 100 6.9 Invalidity of ' 278 over '074 Spaur 154 1. Introduction I have been advised that there is ...	Apr. 15, 2015	Expert Materials		—
Examined by	**8. Plaintiff's Reply in Support of Its Motion for Summary Judgment as to Validity, Infringement, Enforceability, and Unfair Competition** OMEGA PATENTS, LLC, a Georgia limited liability company, Plaintiff, v. CALAMP CORP., a Delaware corporation, Defendant. 2015 WL 10478030, *1+ , M.D.Fla. (Trial Motion, Memorandum and Affidavit) , (NO. 613CV1950ORL40DAB) ... signals" and "device code." (Doc. 76, p. 7.) In response to Omega's motion for validity, Calamp first argues (contrary to its own expert) that the ' 278 patent is anticipated. Calamp then argues (without evidence) that one of skill in the art would combine the disparate references[FN2] using the patent claims ...	Aug. 03, 2015	Motion		—

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Treatment	Title	Date	Type	Depth	Headnote(s)
Examined by	**9. Plaintiff's Motion and Memorandum for Summary Judgment As to Validity, Infringement, Enforceability and Unfair Competition** OMEGA PATENTS, LLC, a Georgia limited liability company, Plaintiff, v. CALAMP CORP., a Delaware corporation, Defendant. 2015 WL 7667619, *1+ , M.D.Fla. (Trial Motion, Memorandum and Affidavit) , (NO. 613CV1950ORL31DAB) ... of infringement of five patents: U.S. Patent Nos. 6,346,876 ("the '876 patent")6,737,989 ("the '989 Patent")6,756,885 ("the '885 patent")7,671,727 ("the '727 Patent"); and 8,032,278 ("the '278 patent ") (collectively referred to herein as the "patents-in-suit" and attached as Exhibits 1-5 in the Appendix). [FN1] In this motion ...	July 01, 2015	Motion		—
Examined by	**10. Defendant CalAmp Corp.'s Opening Claim Construction Brief** OMEGA PATENTS, LLC, a Georgia Limited Liability Company, Plaintiff, v. CALAMP CORP., a Delaware Corporation, Defendant. 2014 WL 7691270, *1+ , M.D.Fla. (Trial Motion, Memorandum and Affidavit) , (NO. 613CV01950PGBDAB) ... in this case: U.S. Pat. Nos. 6,346,876 ("the #876 patent"); 6,737,989 ("the #989 patent"); 6,756,885 ("the #885 patent"); 7,671,727 ("the #727 patent"); and 8,032,276 ("The # 278 patent The following tree shows the inter-relation between the patents-in-suit (shown in bold):TABLE The patents-in-suit are all based on ...	Sep. 05, 2014	Motion		—
Examined by	**11. Defendant Enfora, Inc.'s Memorandum of Law in Support of its Motion for a Stay Pending Reexamination** OMEGA PATENTS, LLC, a Georgia Limited Liability Company, Plaintiff, v. ENFORA, INC., a Delaware Corporation, Defendant. 2017 WL 7048395, *1+ , N.D.Ga. (Trial Motion, Memorandum and Affidavit) , (NO. 1:17-CV-02769-TWT) ... any scheduling orders or set a Markman hearing or trial date.B. The Asserted Patents In its FAC, Plaintiff asserts infringement of three patents: (1) U.S. Patent No. 8,032,278 (the "#278 Patent "), (2) U.S. Patent No. 6,756,885 (the "#885 Patent"), and (3) U.S. Patent No. 6,346,876 (the "#876 Patent") Dkt. No ...	Nov. 13, 2017	Motion		—

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Treatment	Title	Date	Type	Depth	Headnote(s)
Discussed by	**12. Omega Patents, LLC v. Calamp Corp.** 2016 WL 7240311, *1+ , M.D.Fla. , (NO. 613CV1950ORL40DAB) This cause comes before the Court on the following: 1. Defendant CalAmp Corp.'s Motion That U.S. Patent Nos. '876, '885, '727, and '278 Are Not Entitled To Any Priority Date... ... STATES DISTRICT JUDGE This cause comes before the Court on the following:1. Defendant CalAmp Corp.'s Motion That U.S. Patent Nos. '876'885'727, and ' 278 Are Not Entitled To Any Priority Date Earlier Than Their Actual Filing Dates (Doc. 95), filed September 29, 2015; and 2. Plaintiff Omega Patents, LLC's ...	Jan. 13, 2016	Case		—
Discussed by	**13. Calamp Corp.'s First Amended Counterclaim** OMEGA PATENTS, LLC, a Georgia limited liability company, Plaintiff/Counterdefendant, v. CALAMP CORP., a Delaware corporation, Defendant/ Counterplainti... 2014 WL 11209166, *1+ , M.D.Fla. (Trial Pleading) , (NO. 6:13-CV-1950-GAP-DAB) ... real, and justiciable controversy exists between Counterclaimant CalAmp and Counterdefendant Omega pertaining to U.S. Patent Nos. 6,346,876 B1 6,737,989 B2 6,756,885 B1 7,671,727 B2; and 8,032,278 B2 ("Patents-in-Suit "), which have been asserted by Omega.FACTS The Patents-in-Suit 7. On December 20, 2013, Plaintiff/Counterdefendant Omega filed a ...	Feb. 24, 2014	Petition		—
Discussed by	**14. Defendant Calamp Corp.'s Motion for Summary Judgment of Noninfringement** OMEGA PATENTS, LLC, a Georgia limited liability company, Plaintiff, v. CALAMP CORP., a Delaware corporation, Defendant. 2015 WL 10477983, *1+ , M.D.Fla. (Trial Motion, Memorandum and Affidavit) , (NO. 6:13-CV-1950-PGB-DAB) ... 876 and '885) directed toward the vehicle bus claim priority back to an alarm system patent, while the other two vehicle bus patents ('727 and ' 278) and the vehicle tracking patent ('989) claim priority back to a plethora of provisional patents generally regarding vehicle tracking. Because of their common lineage, the ...	July 01, 2015	Motion		—

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Treatment	Title	Date	Type	Depth	Headnote(s)
Discussed by	**15. Defendant Enfora, Inc.'s Reply Memorandum in Support of Its Motion for a Stay Pending Reexamination** OMEGA PATENTS, LLC, a Georgia limited liability company, Plaintiff, v. ENFORA, INC., a Delaware Corporation, Defendant. 2017 WL 7735654, *1+ , N.D.Ga. (Trial Motion, Memorandum and Affidavit) , (NO. 1:17-CV-02769-TWT) ... await the final determinations of the USPTO and the issuance of the reexamination certificates.FN1. Omega asserts infringement of three patents in its FAC: (1) U.S. Patent No. 8,032,278 (the "'278 Patent "), (2) U.S. Patent No. 6,756,885 (the "'885 Patent"), and (3) U.S. Patent No. 6,346,876 (the "'876 Patent")As noted ...	Dec. 11, 2017	Motion		—
Cited by	**16. Omega Patents, LLC v. CalAmp Corp.** 2017 WL 4990654, *1+ , M.D.Fla. , (NO. 613CV1950ORL40DCI) This cause is before the Court on Defendant CalAmp's Motion to Vacate the Judgment and Dismiss for Lack of Venue, (Doc. 222), and Plaintiff Omega's Response in Opposition. (Doc.... ... Patent No. 6,346,876 ("the '876 Patent")U.S. Patent No. 6,737,989 U.S. Patent No. 6,756,885 ("the '885 Patent")U.S. Patent No. 7,671,727 ("the '727 Patent"), and U.S. Patent No. 8,032,278 ("the '278 Patent ") (collectively, the "patents-in-suit"). (Doc. 1). Omega attached to its Complaint a Settlement Agreement entered into between Omega ...	Sep. 22, 2017	Case		—
Cited by	**17. Omega Patents, LLC v. Calamp Corp.** 2016 WL 7177550, *1 , M.D.Fla. , (NO. 613CV1950ORL40DAB) This cause comes before the Court on the following: 1. Plaintiff Omega Patents, LLC's Motion In Limine (Doc. 94), filed September 29, 2015; and 2. Defendant CalAmp Corp.'s Response... ... the '876 Patent")U.S. Patent No. 6,737,989 ("the '989 Patent")U.S. Patent No. 6,756,885 ("the '885 Patent")U.S. Patent No. 7,671,727 ("the '727 Patent"), and U.S. Patent No. 8,032,278 ("the '278 Patent ") (collectively, the "patents-in-suit"). (Doc. 1). The patents-in-suit relate to control systems for vehicles with a ...	Jan. 19, 2016	Case		—
Cited by	**18. Omega Patents, LLC v. Calamp Corp.** 2016 WL 7229888, *1 , M.D.Fla. , (NO. 613CV1950ORL40DAB) This cause comes before the Court on the following: 1. Plaintiff's Motion to Bifurcate Issues of Inequitable Conduct and Prosecution Laches (Doc. 93), filed September 29, 2015; and... ... the '876 Patent")U.S. Patent No. 6,737,989 ("the '989 Patent")U.S. Patent No. 6,756,885 ("the '885 Patent")U.S. Patent No.7,671,727 ("the '727 Patent"), and U.S. Patent No. 8,032,278 ("the '278 Patent ") (collectively, the "patents-in-suit"). (Doc. 1). The patents-in-suit relate to control systems for vehicles with a ...	Jan. 05, 2016	Case		—

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Treatment	Title	Date	Type	Depth	Headnote(s)
Cited by	**19. Omega Patents, LLC v. Calamp Corp.** 2015 WL 12830496, *1+ , M.D.Fla. , (NO. 613CV1950ORL40DAB) This cause comes before the Court on the following: 1. Plaintiff's Motion and Memorandum of Law to Exclude the Testimony of Defendant's Expert Eric Andrews (Doc. 55), filed July 1,... ... the '876 Patent")U.S. Patent No. 6,737,989 ("the '989 Patent")U.S. Patent No. 6,756,885 ("the '885 Patent")U.S. Patent No. 7,671,727 ("the '727 Patent"), and U.S. Patent No. 8,032,278 ("the '278 Patent ") (collectively the "patents-in-suit"). (Doc. 1). The patents-in-suit relate to control systems for vehicles with a ...	Dec. 23, 2015	Case		—
Cited by	**20. Defendant Calamp Corp.'s Answer to Plaintiff's Complaint, Counterclaim, and Jury Demand** OMEGA PATENTS, LLC, a Georgia limited liability company, Plaintiff, v. CALAMP CORP., a Delaware corporation, Defendant. 2014 WL 11621847, *1+ , M.D.Fla. (Trial Pleading) , (NO. 6:13-CV-1950-GAP-DAB) ... real, and justiciable controversy exists between Counterclaimant CalAmp and Counterdefendant Omega pertaining to U.S. Patent Nos. 6,346,876 B1 6,737,989 B2 6,756,885 B1 7,671,727 B2; and 8,032,278 B2 ("Patents-in-Suit "), which have been asserted by Omega.Facts 7. On December 20, 2013, Plaintiff/Counter-Defendant Omega filed a Complaint in this ...	Jan. 15, 2014	Petition		—
Cited by	**21. Declaration of Eric Andrews in Support of Defendant Calamp Corp.'s Motion for Summary Judgment of Invalidity** OMEGA PATENTS, LLC, a Georgia limited liability company, Plaintiff, v. CALAMP CORP., a Delaware corporation, Defendant. 2015 WL 12856649, *1+ , M.D.Fla. (Expert Report and Affidavit) , (NO. 613-CV-1950-PGB-DAB) ... asserted patents in this matter, U.S. Patent Nos. 6,346,876 (the '876 patent)6,737,989 (the '989 patent)6,756,885 (the '885 patent)7,671,727 (the '727 patent), and 8,032,278 (the '278 patent) I am informed that copies of the asserted patents were attached as Exhibits B-F to the Complaint (ECF 1) in this ...	July 01, 2015	Expert Materials		—
Cited by	**22. Defendant Calamp Corp.'s Motion for Summary Judgment of Invalidity** OMEGA PATENTS, LLC, a Georgia limited liability company, Plaintiff, v. CALAMP CORP., a Delaware corporation, Defendant. 2015 WL 10478022, *1 , M.D.Fla. (Trial Motion, Memorandum and Affidavit) , (NO. 6:13-CV-1950-PGB-DAB)	July 01, 2015	Motion		—

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Treatment	Title	Date	Type	Depth	Headnote(s)
Cited by	**23. Joint Pretrial Statement** OMEGA PATENTS, LLC, a Georgia limited liability company, Plaintiff, v. CALAMP CORP., a Delaware corporation, Defendant. 2015 WL 10477832, *1+ , M.D.Fla. (Trial Filing) , (NO. 613CV1950ORL40DAB) ... Nos. 6,346,876 B1 ("the '876 Patent"); 6,737,989 B2 ("the '989 Patent); 6,756,885 B1 ("the '885 Patent"); 7,671,727 B2 ("the '727 Patent"); and 8,032,278 B2 ("the ' 278 Patent CalAmp filed counterclaims seeking declaratory judgment of noninfringement, invalidity and unenforceability, as well as asserting a claim for unfair competition.III. BRIEF GENERAL STATEMENT ...	Sep. 22, 2015	Filing		—
Cited by	**24. Verdict Form** OMEGA PATENTS, LLC, Plaintiff, v. CALAMP CORP., Defendant. 2016 WL 1287121, *1+ , M.D.Fla. (Verdict, Agreement and Settlement) , (NO. 613CV1950ORL40DAB) ... Claim 10[] No[] No[] No[] No[] No[X] Yes[X] Yes[X] Yes[X] Yes[X] Yes[X] Yes Claim 11[] No[] No[] No[] No[] No 2.D. U.S. Patent No. 8,032,278 B2 ("the '278 patent "Has Omega proven by a preponderance of the evidence that any of the accused CalAmp devices infringed any ...	Feb. 24, 2016	Jury Verdict		—
Mentioned by	**25. Multi-vehicle compatible control system generating command signals on a data bus and associated methods** LitAlert P2017-30-36 ... Date: 07/21/2017 Subsequent Action: 07/21/2017 Action Taken: CAUSE - 28 USC 1338 - COMPLAINT FOR PATENT INFRINGEMENT Notes: none Other Patents: US 6756885 US 8032278 Other Trademarks: none See LitAlert No: none ...	July 21, 2017	Lit Alert		—
Mentioned by	**26. Multi-vehicle compatible control system generating command signals on a data bus and associated methods** LitAlert P2013-52-29 ... Subsequent Action: 12/20/2013 Action Taken: CAUSE - 35 USC 271 - COMPLAINT FOR PATENT INFRINGEMENT Notes: none Other Patents: US 6737989 US 6756885 US 7671727 US 8032278 Other Trademarks: none See LitAlert No: none ...	Dec. 20, 2013	Lit Alert		—

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Treatment	Title	Date	Type	Depth	Headnote(s)
Mentioned by	**27. Omega Patents, Llc's Motion and Memorandum to Dismiss Counterclaims** OMEGA PATENTS, LLC, a Georgia limited liability company, Plaintiff, v. CALAMP CORP., a Delaware corporation, Defendant. 2014 WL 11209189, *1 , M.D.Fla. (Trial Motion, Memorandum and Affidavit) , (NO. 613CV1950ORL31DAB) ... Court as follows:On December 20, 2013, Omega filed its Complaint, which alleges infringement of five patents (U.S. Patent Nos. 6,346,876 6,737,989 6,756,885 7,671,727 and 8,032,278). (Doc. 1 .) Calamp filed a counterclaim, including claims for patent unenforceability due to alleged inequitable conduct and another for unfair competition derived from the same ...	Feb. 05, 2014	Motion		—
Mentioned by	**28. Omega Patents, LLC's Motion and Memorandum to Dismiss Counterclaims** OMEGA PATENTS, LLC, a Georgia limited liability company, Plaintiff, v. CALAMP CORP., a Delaware corporation, Defendant. 2014 WL 11621911, *1 , M.D.Fla. (Trial Motion, Memorandum and Affidavit) , (NO. 613CV1950ORL31DAB) ... Court as follows:On December 20, 2013, Omega filed its Complaint, which alleges infringement of five patents (U.S. Patent Nos. 6,346,876 6,737,989 6,756,885 7,671,727 and 8,032,278). (Doc. 1 .) Calamp filed a counterclaim, including claims for patent unenforceability due to alleged inequitable conduct and another for unfair competition derived from the same ...	Feb. 05, 2014	Motion		—
Mentioned by	**29. Plaintiff's Memorandum in Opposition to Enfora, Inc.'s Motion to Stay (Doc. No. 34)** OMEGA PATENTS, LLC, a Georgia Limited Liability Company, Plaintiff, v. ENFORA, INC., a Delaware Corporation, Defendant. 2017 WL 7037864, *1 , N.D.Ga. (Trial Motion, Memorandum and Affidavit) , (NO. 1:17-CV-02769-TWT) ... information gleaned from the first action, Omega filed a second action in Georgia against Enfora, based on the infringement of U.S. Patent Nos. 6,346,876 7,671,727 8,032,278 , and 8,362,886 by the MT-3000 and MT-3050 products. The parties litigated both cases for several more months before Omega dismissed the Florida action ...	Nov. 27, 2017	Motion		—

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Treatment	Title	Date	Type	Depth	Headnote(s)
Mentioned by	**30. Plaintiff's Memorandum in Opposition to Enfora, Inc.'s Motion to Dismiss (Doc. No. 28)** OMEGA PATENTS, LLC, a Georgia Limited Liability Company, Plaintiff, v. ENFORA, INC., a Delaware Corporation, Defendant. 2017 WL 7037862, *1 , N.D.Ga. (Trial Motion, Memorandum and Affidavit) , (NO. 1:17-CV-02769-TWT) ... what to do with its accused products. The parties agreed that Omega's infringement claims against Enfora's accused products based on U.S. Patent Nos. 6,346,876 7,671,727 8,032,278 , and 8,362,886 (referred to as the "Georgia Patents-in-Suit") could be restarted and damages that accrued during the period could be claimed by Omega ...	Nov. 13, 2017	Motion		—
—	**31. MULTI VEHICLE COMPATIBLE TRACKING UNIT FOR VEHICLES HAS DOWNLOADING INTERFACE, WHICH ENABLES DOWNLOADING OF ENABLING DATA RELATED TO AT LEAST ONE CORRESPONDING VEHICLE DEVICE CODE TO BE USED BY MULTI-VEHICLE COMPATIBLE CONTROLLER** Out Of Plan DWPI 2008-A15683+ ... to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller.First Derwent Appearance:2008.01 Publication No. (Derwent): US 8032278 B2 Original Title (English):VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS Publication Date:2011-10-04 Application No.:US 773272 Application Date ...	May 17, 2000	DWPI	—	—
—	**32. RF 019515/0350** Out Of Plan ... 32801 Number of Pages 3 Last Modified 2011-10-04 PATENTS AFFECTED Title VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS Granted Patent Number US Pat. 8032278 Granted Patent Date 2011-10-04 Published Application Number US Pat. App. 20070279283 Published Application Date 2007-12-06 Application Number 11/773272 ...	July 03, 2007	Assignments	—	—
—	**33. PatStat 8032278** ... Patent Status File Patent Number: US 8032278 Change Code: RXA Description: Request for Re-Examination Reissue Number:OG Date: 08/13/2019 ...	Aug. 13, 2019	Patent Status Files	—	—
—	**34. PatStat 8032278** ... Patent Status File Patent Number: US 8032278 Change Code: RXC Description: Re-Examination Certificate Reissue Number:OG Date: 02/12/2019 ...	Feb. 12, 2019	Patent Status Files	—	—
—	**35. PatStat 8032278** ... Patent Status File Patent Number: US 8032278 Change Code: RXA Description: Request for Re-Examination Reissue Number:OG Date: 01/17/2017 ...	Jan. 17, 2017	Patent Status Files	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**36. PatStat 8032278** ... Patent Status File Patent Number: US 8032278 Change Code: RXC Description: Re-Examination Certificate Reissue Number:OG Date: 01/03/2017 ...	Jan. 03, 2017	Patent Status Files	—	—
—	**37. PatStat 8032278** ... Patent Status File Patent Number: US 8032278 Change Code: RXA Description: Request for Re-Examination Reissue Number:OG Date: 11/10/2015 ...	Nov. 10, 2015	Patent Status Files	—	—
—	**38. Omega Patents, LLC v. Enfora, Inc.**	July 21, 2017	Docket Summaries	—	—
—	**39. OMEGA PATENTS, LLC v. CALAMP CORP**	Dec. 20, 2013	Docket Summaries	—	—
—	**40. OMEGA PATENTS, LLC v. ENFORA, INC**	Feb. 28, 2013	Docket Summaries	—	—
—	**41. SYSTEMS AND METHODS FOR LOW LATENCY 3- AXIS ACCELEROMETER CALIBRATION** Out Of Plan US PAT 10466269 , U.S. PTO Utility Systems and methods for low-latency calibration of the alignment of 3-axis accelerometers in accordance embodiments of the invention are disclosed. In one embodiment of the... ... US US 7805276 2010/09 Byers et al.US US 8004397 2011/08 Forrest et al.US US 8010251 2011/08 Hamrick et al.US US 8032278 2011/10 Flick US US 8155841 2012/04 Erb US US 8489271 2013/07 Hergesheimer et al.US US 8688380 2014/04 Cawse et ...	Nov. 05, 2019	Patents	—	—
—	**42. SYSTEMS AND METHODS FOR CRASH DETERMINATION WITH NOISE FILTERING** Out Of Plan US PAT 10395438 , U.S. PTO Utility Embodiments of the invention include a vehicle telematics system including a telematics device and a remote server system, wherein the telematics device obtains sensor data from at... ... US US 7805276 2010/09 Byers et al.US US 8004397 2011/08 Forrest et al.US US 8010251 2011/08 Hamrick et al.US US 8032278 2011/10 Flick US US 8155841 2012/04 Erb US US 8489271 2013/07 Hergesheimer et al.US US 8688380 2014/04 Cawse 303 ...	Aug. 27, 2019	Patents	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**43. TELEMATICS ROAD READY SYSTEM WITH USER INTERFACE** Out Of Plan US PAT 10388161 , U.S. PTO Utility A system for monitoring a trailer includes a plurality of wireless sensors mounted to a trailer for monitoring conditions of the trailer; a master control unit attached to an... ... et al.US US 7991357 2011/08 Meyers et al.US US 8000843 2011/08 Kim US US 8010127 2011/08 Burtner et al.US US 8032278 2011/10 Flick US US 8223009 2012/07 Anderson et al.US US 8307667 2012/11 Rusignuolo et al.US US 8334662 2012/12 ...	Aug. 20, 2019	Patents	—	—
—	**44. SYSTEMS AND METHODS FOR DETERMINING VEHICLE OPERATIONAL STATUS** Out Of Plan US PAT 10304264 , U.S. PTO Utility Systems and methods for determining vehicle operational status in accordance with embodiments of the invention are disclosed. In one embodiment, a vehicle status determination... ... US US 7805231 2010/09 Cluff et al.US US 8004397 2011/08 Forrest et al.US US 8010251 2011/08 Hamrick et al.US US 8032278 2011/10 Flick US US 8489271 2013/07 Hergesheimer et al.US US 8688380 2014/04 Cawse et al.US US 8762009 2014/06 ...	May 28, 2019	Patents	—	—
—	**45. SYSTEMS AND METHODS FOR IMPACT DETECTION WITH NOISE ATTENUATION OF A SENSOR SIGNAL** Out Of Plan US PAT 10214166 , U.S. PTO Utility Systems and methods for impact detection in accordance with embodiments of the invention are disclosed. In one embodiment, a vehicle impact detection system includes an... ... US US 7805276 2010/09 Byers et al.US US 8004397 2011/08 Forrest et al.US US 8010251 2011/08 Hamrick et al.US US 8032278 2011/10 Flick US US 8155841 2012/04 Erb US US 8489271 2013/07 Hergesheimer et al.US US 8688380 2014/04 Cawse et ...	Feb. 26, 2019	Patents	—	—
—	**46. SYSTEMS AND METHODS FOR RADIO ACCESS INTERFACES** Out Of Plan US PAT 10219117 , U.S. PTO Utility Systems and methods for radio access interfaces in accordance with embodiments of the invention are disclosed. In one embodiments, a vehicle telematics device includes a processor,... ... US US 7805231 2010/09 Cluff et al.US US 8004397 2011/08 Forrest et al.US US 8010251 2011/08 Hamrick et al.US US 8032278 2011/10 Flick US US 8330626 2012/12 Adelson US US 8489271 2013/07 Hergesheimer et al.US US 8688380 2014/04 Cawse et ...	Feb. 26, 2019	Patents	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**47. VEHICLE SYSTEM INCLUDING SECURITY UNIT PROVIDING DEGRADATION COMMANDS VIA A VEHICLE DATA BUS AND RELATED METHODS** Out Of Plan US PAT 10180689+ , U.S. PTO Utility A vehicle security unit is for a vehicle including at least one data communications bus, an On-Board Diagnostic (OBD) port coupled to the at least one data communications bus, and... ... 12 Burgess et al.US US 5146215 1992/09 Drori US US 5252966 1993/10 Lambropoulos et al.US US 6011460 2000/01 Flick US US 8032278 2011/10 Flick US US 9656631 2017/05 Flick US US 2009/0109039 2009/04 Kellzi US US 2014/0277838 2014/09 Flick US ...	Jan. 15, 2019	Patents	—	—
—	**48. MOBILE HYBRID TRANSMIT/RECEIVE NODE FOR NEAR-FIELD WIRELESS POWER DELIVERY** Out Of Plan US PAT 10181729 , U.S. PTO Utility A system and method for a mobile hybrid transmitter/receiver (TX/RX) node for wireless resonant power delivery is disclosed. A hybrid TX/RX can be configured to travel to remote,... ... 04 Klontz et al.US US 5672066 1997/09 Dixon US US 6087806 2000/07 Fujioka US US 6980000 2005/12 Wong et al.US US 8032278 2011/10 Flick 382/104 US US 8143746 2012/03 Marzetta et al.US US 8421408 2013/04 Hamedi-Hagh et al.US US ...	Jan. 15, 2019	Patents	—	—
—	**49. SYSTEMS AND METHODS FOR EFFICIENT CHARACTERIZATION OF ACCELERATION EVENTS** Out Of Plan US PAT 10107831 , U.S. PTO Utility Systems and methods for the efficient characterization of acceleration events in accordance embodiments of the invention are disclosed. In one embodiment of the invention, an... ... US US 7805231 2010/09 Cluff et al.US US 8004397 2011/08 Forrest et al.US US 8010251 2011/08 Hamrick et al.US US 8032278 2011/10 Flick US US 8489271 2013/07 Hergesheimer et al.US US 8688380 2014/04 Cawse et al.US US 8762009 2014/06 ...	Oct. 23, 2018	Patents	—	—
—	**50. SYSTEMS AND METHODS FOR LOCATION REPORTING OF DETECTED EVENTS IN VEHICLE OPERATION** Out Of Plan US PAT 10102689 , U.S. PTO Utility Systems and methods for location reporting of detected events during vehicle operation in accordance embodiments of the invention are disclosed. In one embodiment of the invention,... ... US US 7805231 2010/09 Cluff et al.US US 8004397 2011/08 Forrest et al.US US 8010251 2011/08 Hamrick et al.US US 8032278 2011/10 Flick US US 8489271 2013/07 Hergesheimer et al.US US 8688380 2014/04 Cawse et al.US US 8762009 2014/06 ...	Oct. 16, 2018	Patents	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**51. TELEMATICS ROAD READY SYSTEM** Out Of Plan US PAT 10093232 , U.S. PTO Utility A system for monitoring a trailer having a plurality of light emitting diode devices includes a master control unit attached to an outside surface of the trailer. The master... ... et al.US US 7991357 2011/08 Meyers et al.US US 8000843 2011/08 Kim US US 8010127 2011/08 Burtner et al.US US 8032278 2011/10 Flick US US 8223009 2012/07 Anderson et al.US US 8307667 2012/11 Rusignuolo et al.US US 8334662 2012/12 ...	Oct. 09, 2018	Patents	—	—
—	**52. SYSTEMS AND METHODS FOR CRASH DETERMINATION** Out Of Plan US PAT 10055909 , U.S. PTO Utility Systems and methods for crash determination in accordance with embodiments of the invention are disclosed. In one embodiment, a vehicle telematics device includes a processor and a... ... US US 7805276 2010/09 Byers et al.US US 8004397 2011/08 Forrest et al.US US 8010251 2011/08 Hamrick et al.US US 8032278 2011/10 Flick US US 8155841 2012/04 Erb US US 8489271 2013/07 Hergesheimer et al.US US 8688380 2014/04 Cawse et ...	Aug. 21, 2018	Patents	—	—
—	**53. REMOTE FUNCTION CONTROL SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan US PAT 9981615+ , U.S. PTO Utility A remote function control system for a vehicle including a data communications bus extending throughout the vehicle and coupled to vehicle devices may include a wireless data bus... ... 2009/03 Nguyen 340/426.36 US US 7734382 2010/06 Flick 701/002 US US 7818097 2010/10 Fein et al.701/001 US US 8032278 2011/10 Flick 701/036 US US 8269601 2012/09 Burzio 340/005.6 US US 8313039 2012/11 Flick et al.236/051 ...	May 29, 2018	Patents	—	—
—	**54. REMOTE FUNCTION CONTROL SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan US PAT 9981616+ , U.S. PTO Utility A remote function control system is for a vehicle including a data communications bus extending throughout the vehicle and coupled to a plurality of vehicle devices, and a wired... ... US US 7379730 2008/05 Flick US US 7504931 2009/03 Nguyen US US 7818097 2010/10 Fein US US 7734382 2010/11 Flick US US 8032278 2011/10 Flick 382/104 US US 8269601 2012/09 Burzio US US 8313039 2012/11 Flick et al.US US 8346432 2013/01 ...	May 29, 2018	Patents	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**55. REMOTE FUNCTION CONTROL SYSTEM WITH REMOTE FUNCTION DEVICE AND ASSOCIATED WIRELESS SECURITY SENSOR FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan US PAT 9925956+ , U.S. PTO Utility A remote function control system is for a vehicle including a data bus extending throughout the vehicle and coupled to a plurality of vehicle devices, and a wired vehicle... ... US US 6771167 2004/08 Flick 307/010.2 US US 6801119 2004/10 Flick 340/426.1 US US 7010402 2006/03 Flick US US 8032278 2011/10 Flick US US 8362886 2013/01 Flick US US 9656631 2017/05 Flick US US 2003/0018429 2003/01 Flick 701/484 ...	Mar. 27, 2018	Patents	—	—
—	**56. REMOTE FUNCTION DEVICE AND ASSOCIATED WIRELESS SECURITY SENSOR FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan US PAT 9919682+ , U.S. PTO Utility A remote function control system is for a vehicle including a data communications bus extending throughout the vehicle and coupled to a plurality of vehicle devices, and a wired... ... US US 6771167 2004/08 Flick 307/010.2 US US 6801119 2004/10 Flick 340/426.1 US US 7010402 2006/03 Flick US US 8032278 2011/10 Flick US US 8362886 2013/01 Flick US US 9656631 2017/05 Flick US US 2003/0018429 2003/01 Flick 701/484 ...	Mar. 20, 2018	Patents	—	—
—	**57. MULTI-CONTROLLER DATA BUS ADAPTOR OPERABLE BASED UPON DATA BUS ADAPTOR COMMUNICATION DETERMINED ADAPTOR CODES AND RELATED METHODS** Out Of Plan US PAT 9797183 , U.S. PTO Utility A remote control system may be for a vehicle including a data communications bus and connecting vehicle devices. The vehicle devices may be operable with a set of vehicle device... ... US US 6249216 2001/06 Flick 180/287 US US 6346876 2002/02 Flick 180/287 US US 6756885 2004/06 Flick 180/287 US US 8032278 2011/10 Flick US US 8362886 2013/01 Flick US US 2001/0029415 2001/10 Flick 701/036 US US 2007/0058625 2007/03 ...	Oct. 24, 2017	Patents	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**58. REMOTE FUNCTION CONTROL SYSTEM WITH WIRELESS DATABUS DEVICE AND ASSOCIATED WIRELESS SECURITY SENSOR FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan US PAT 9656631+ , U.S. PTO Utility A remote function control system is for a vehicle including a data communications bus and coupled to a plurality of vehicle devices, and a wired electrical power system. A wireless... ... US US 5719551 1998/02 Flick US US 6011460 2000/01 Flick US US 7010402 2006/03 Flick US US 7463132 2008/12 Deng US US 8032278 2011/10 Flick US US 8362886 2013/01 Flick US US 2005/0046545 2005/03 Skekloff 340/005.61 US US 2007/0230624 2007 ...	May 23, 2017	Patents	—	—
—	**59. SYSTEMS AND METHODS FOR DETERMINING VEHICLE OPERATIONAL STATUS** Out Of Plan US PAT 9644977 , U.S. PTO Utility Systems and methods for determining vehicle operational status in accordance with embodiments of the invention are disclosed. In one embodiment, a vehicle status determination... ... US US 7805231 2010/09 Cluff et al.US US 8004397 2011/08 Forrest et al.US US 8010251 2011/08 Hamrick et al.US US 8032278 2011/10 Flick US US 8489271 2013/07 Hergesheimer et al.US US 8688380 2014/04 Cawse et al.US US 8762009 2014/06 ...	May 09, 2017	Patents	—	—
—	**60. MULTI-CONTROLLER DATA BUS ADAPTOR OPERABLE BASED UPON CONTROLLER DOWNLOADED ADAPTOR CODES AND RELATED METHODS** Out Of Plan US PAT 9582991 , U.S. PTO Utility A remote control system may be for a vehicle including a data communications bus extending throughout the vehicle and connecting vehicle devices. The vehicle devices may be... ... 5146215 1992/09 Drori US US 5252966 1993/10 Lambropoulos et al.US US 6346876 2002/02 Flick US US 6756885 2004/06 Flick US US 8032278 2011/10 Flick US US 8362886 2013/01 Flick US US 2007/0049292 2007/03 Emond US US 2007/0279263 2007/12 Flick 342 ...	Feb. 28, 2017	Patents	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**61. REMOTE FUNCTION CONTROL SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan US PAT 9527478+ , U.S. PTO Utility A remote function control system is for a vehicle including a data communications bus extending throughout the vehicle and coupled to a plurality of vehicle devices, and a wired... ... US US 7379730 2008/05 Flick US US 7504931 2009/03 Nguyen US US 7734362 2010/06 Flick US US 7818097 2010/10 Fein US US 8032278 2011/10 Flick 382/104 US US 8269601 2012/09 Burzio US US 8313039 2012/11 Flick et al.US US 8346432 2013/01 ...	Dec. 27, 2016	Patents	—	—
—	**62. SYSTEMS AND METHODS FOR COLLECTING INFORMATION FROM VEHICLE DEVICES VIA A VEHICLE DATA BUS** Out Of Plan US PAT 9171460 , U.S. PTO Utility Systems and methods in accordance with embodiments of the invention continuously collecting information via a vehicle data bus, store the information in a database, and retrieve... ... US US 7110880 2006/09 Breed et al.701/482 US US 7250850 2007/07 Mizutani 340/435 US US 7671727 2010/03 Flick US US 8032278 2011/10 Flick US US 2012/0158211 2012/06 Chen et al.Other Publications:Road vehicles---- Diagnostic Systems----Part 2: CARB requirements for interchange ...	Oct. 27, 2015	Patents	—	—
—	**63. SYSTEM INCLUDING VEHICLE LOCATION ALERT BASED COMMUNICATION WITH A VEHICLE AUDIO ENTERTAINMENT SYSTEM AND RELATED METHODS** Out Of Plan US PAT 9159233+ , U.S. PTO Utility A system for a vehicle having a data communications bus extending throughout the vehicle, and an audio entertainment system coupled to the data communications bus may include a... ... et al.US US 7298246 2007/11 Schmitt US US 7308341 2007/12 Schofield et al.701/001 US US 7898404 2011/03 Flick US US 8032278 2011/10 Flick US US 2002/0130769 2002/09 Yamagishi 340/426 US US 2007/0015485 2007/01 DeBiasio et al.455/345 US ...	Oct. 13, 2015	Patents	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**64. VEHICLE WITH AT LEAST ONE ENVIRONMENT DETECTION SYSTEM** Out Of Plan US PAT 9111452 , U.S. PTO Utility A vehicle is equipped with at least one environment detection system, a communication system which transmits information by remote transmission to receivers external to the... ... 08 Karner et al.320/104 US US 7817848 2010/10 Sakata et al.362/159 US US 7983802 2011/07 Breed 701/001 US US 8032278 2011/10 Flick 701/036 US US 8229663 2012/07 Zeng et al.701/301 US US 8314718 2012/11 Muthaiah et al.340 ...	Aug. 18, 2015	Patents	—	—
—	**65. COMMUNICATION DEVICE AND CAR FINDER SYSTEM** Out Of Plan US PAT 9037081 , U.S. PTO Utility A car finder system has a portable terminal that receives a preset operation performed thereon for wirelessly transmitting a preset car finder instruction. A communication device... ... 04 Dery 455/569.2 US US 7570179 2009/08 Chieu et al.340/988 US US 7885603 2011/02 Santavicca 455/041.2 US US 8032278 2011/10 Flick 701/036 US US 8232897 2012/07 Tieman et al.340/990 US US 2007/0197261 2007/08 Humbel 455/558 ...	May 19, 2015	Patents	—	—
—	**66. SYSTEM INCLUDING VEHICLE SPEED ALERT BASED COMMUNICATION WITH A VEHICLE AUDIO ENTERTAINMENT SYSTEM AND RELATED METHODS** Out Of Plan US PAT 9031546+ , U.S. PTO Utility A system for a vehicle having a data communications bus extending throughout the vehicle, and an audio entertainment system coupled to the data communications bus may include a... ... US US 6900723 2005/05 Yamanaka et al.US US 7898404 2011/03 Flick US US 7952512 2011/05 Delker et al.342/042 US US 8032278 2011/10 Flick US US 8212691 2012/07 Pudar 340/988 US US 2003/0008660 2003/01 Huh et al.455/557 US US ...	May 12, 2015	Patents	—	—
—	**67. SYSTEMS AND METHODS FOR COLLECTING INFORMATION FROM VEHICLE DEVICES VIA A VEHICLE DATA BUS** Out Of Plan US PAT 8812173 , U.S. PTO Utility Systems and methods in accordance with embodiments of the invention continuously collect information from vehicle devices via a vehicle data bus, store information in a database,... ... US US 7110860 2006/09 Breed et al.701/482 US US 7250850 2007/07 Mizutani 340/435 US US 7671727 2010/03 Flick US US 8032278 2011/10 Flick Other Publications:Road vehicles—Diagnostic System—Part 2: Carb requirements for interchange of digital information, ISO 9141-2, 1994, 18 pgs ...	Aug. 19, 2014	Patents	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**68. VEHICLE SYSTEM INCLUDING REMOTE START DATA BUS COMMAND SENDING BASED UPON A SHORT-RANGE LINK AND RELATED METHODS** Out Of Plan US PAT APP 20190143935 , U.S. PTO Application A vehicle system for a vehicle may include a vehicle tracking unit that includes a first bus interface to be coupled to a first data communications bus of the vehicle, a vehicle... ... 59#, and have multi-vehicle capability so that the remote start unit can interface with different vehicles, as disclosed in U.S. Patent Nos. 6,011,460 and 8,032,278 , for example, the entire contents of which are hereby incorporated herein by reference. Of course, remote start capability could also be included within the vehicle ...	May 16, 2019	Patents	—	—
—	**69. VEHICLE SYSTEM INCLUDING SECURITY UNIT PROVIDING DEGRADATION COMMANDS VIA A VEHICLE DATA BUS AND RELATED METHODS** Out Of Plan US PAT APP 20180050660 , U.S. PTO Application A vehicle security unit is for a vehicle including at least one data communications bus, an On-Board Diagnostic (OBD) port coupled to the at least one data communications bus, and... ... 59#, and have multi-vehicle capability so that the remote start unit can interface with different vehicles, as disclosed in U.S. Pat. Nos. 6,011,460 and 8,032,278 , for example, the entire contents of which are hereby incorporated herein by reference. Of course, remote start capability could also be included within the vehicle ...	Feb. 22, 2018	Patents	—	—
—	**70. REMOTE FUNCTION CONTROL SYSTEM WITH REMOTE FUNCTION DEVICE AND ASSOCIATED WIRELESS SECURITY SENSOR FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan US PAT APP 20170197587 , U.S. PTO Application A remote function control system is for a vehicle including a data bus extending throughout the vehicle and coupled to a plurality of vehicle devices, and a wired vehicle... ... the vehicle or may be removed from the vehicle for programming. Further details of programming a multi-vehicle compatible controller 23 may be found in U.S. Pat. No. 8,032,278 to Flick, assigned to the present assignee, and the entire contents of which are herein incorporated by reference. Other or additional programming ...	July 13, 2017	Patents	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**71. REMOTE FUNCTION DEVICE AND ASSOCIATED WIRELESS SECURITY SENSOR FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan US PAT APP 20170197588 , U.S. PTO Application A remote function control system is for a vehicle including a data communications bus extending throughout the vehicle and coupled to a plurality of vehicle devices, and a wired... ... the vehicle or may be removed from the vehicle for programming. Further details of programming a multi-vehicle compatible controller 23 may be found in U.S. Pat. No. 8,032,278 to Flick, assigned to the present assignee, and the entire contents of which are herein incorporated by reference. Other or additional programming ...	July 13, 2017	Patents	—	—
—	**72. REMOTE FUNCTION CONTROL SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan US PAT APP 20150291109 , U.S. PTO Application A remote function control system is for a vehicle including a data communications bus extending throughout the vehicle and coupled to a plurality of vehicle devices, and a wired... ... the vehicle or may be removed from the vehicle for programming. Further details of programming a multi-vehicle compatible controller 23# may be found in U.S. Pat. No. 8,032,278 to Flick, assigned to the present assignee, and the entire contents of which are herein incorporated by reference. Other or additional programming ...	Oct. 15, 2015	Patents	—	—
—	**73. REMOTE FUNCTION CONTROL SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan US PAT APP 20150246658 , U.S. PTO Application A remote function control system is for a vehicle including a data communications bus extending throughout the vehicle and coupled to a plurality of vehicle devices, and a wired... ... the vehicle or may be removed from the vehicle for programming. Further details of programming a multi-vehicle compatible controller 23# may be found in U.S. Pat. No. 8,032,278 to Flick, assigned to the present assignee, and the entire contents of which are herein incorporated by reference. Other or additional programming ...	Sep. 03, 2015	Patents	—	—

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—	**74. SYSTEM INCLUDING VEHICLE LOCATION ALERT BASED COMMUNICATION WITH A VEHICLE AUDIO ENTERTAINMENT SYSTEM AND RELATED METHODS** Out Of Plan US PAT APP 20140266811 , U.S. PTO Application A system for a vehicle having a data communications bus extending throughout the vehicle, and an audio entertainment system coupled to the data communications bus may include a... ... vehicle 211 or may be removed from the vehicle for programming. Further details of programming a multi-vehicle compatible controller 217 may be found in U.S. Pat. No. 8,032,278 to Flick, assigned to the present assignee, and the entire contents of which are herein incorporated by reference. Other or additional programming ...	Sep. 18, 2014	Patents	—	—
—	**75. SYSTEM INCLUDING VEHICLE SPEED ALERT BASED COMMUNICATION WITH A VEHICLE AUDIO ENTERTAINMENT SYSTEM AND RELATED METHODS** Out Of Plan US PAT APP 20140274012 , U.S. PTO Application A system for a vehicle having a data communications bus extending throughout the vehicle, and an audio entertainment system coupled to the data communications bus may include a... ... vehicle 211 or may be removed from the vehicle for programming. Further details of programming a multi-vehicle compatible controller 217 may be found in U.S. Pat. No. 8,032,278 to Flick, assigned to the present assignee, and the entire contents of which are herein incorporated by reference. Other or additional programming ...	Sep. 18, 2014	Patents	—	—
—	**76. REMOTE FUNCTION CONTROL SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan US PAT APP 20140277838 , U.S. PTO Application A remote function control system for a vehicle including a data communications bus extending throughout the vehicle and coupled to vehicle devices may include a wireless data bus... ... the vehicle or may be removed from the vehicle for programming. Further details of programming a multi-vehicle compatible controller 23# may be found in U.S. Pat. No. 8,032,278 to Flick, assigned to the present assignee, and the entire contents of which are herein incorporated by reference. Other or additional programming ...	Sep. 18, 2014	Patents	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**77. VEHICLE SYSTEM INCLUDING SECURITY UNIT PROVIDING DEGRADATION COMMANDS VIA A VEHICLE DATA BUS AND RELATED METHODS** Out Of Plan CA PAT 2974521 C A vehicle security unit is for a vehicle including at least one data communications bus, an On-Board Diagnostic (OBD) port coupled to the at least one data communications bus, and... ... and have multi-vehicle capability so that the remote start unit can interface with different 3 vehicles, as disclosed in U.S. Patent Nos. 6,011,460 and 8,032,278 , for example. Of course, 4 remote start capability could also be included within the vehicle security unit 45' as well. [0034] In accordance with another ...	June 04, 2019	Patents	—	—
—	**78. REMOTE FUNCTION CONTROL SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan CA PAT 2925135 C A remote function control system is provided for a vehicle including a data communications bus and coupled to a plurality of vehicle devices, and a wired vehicle electrical ... ... the vehicle or may be removed from the vehicle for programming. Further details of programming a multi- vehicle compatible controller 23' may be found in U.S. Patent No. 8,032,278 to Flick, assigned to the present assignee. Other or additional programming or configuration techniques may be used, as will be appreciated by ...	Jan. 15, 2019	Patents	—	—
—	**79. VEHICLE SYSTEM INCLUDING SECURITY UNIT PROVIDING DEGRADATION COMMANDS VIA A VEHICLE DATA BUS AND RELATED METHODS** Out Of Plan CA PAT APP 2974521 A1 A vehicle security unit is for a vehicle including at least one data communications bus, an On-Board Diagnostic (OBD) port coupled to the at least one data communications bus,... ... and have multi-vehicle capability so that the remote start unit can interface with different 3 vehicles, as disclosed in U.S. Patent Nos. 6,011,460 and 8,032,278 , for example. Of course, 4 remote start capability could also be included within the vehicle security unit 45' as well. [0034] In accordance with another ...	Feb. 19, 2018	Patents	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**80. REMOTE FUNCTION CONTROL SYSTEM WITH REMOTE FUNCTION DEVICE AND ASSOCIATED WIRELESS SECURITY SENSOR FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan CA PAT APP 2951679 A1 A remote function control system is for a vehicle including a data bus extending throughout the vehicle and coupled to a plurality of vehicle devices, and a wired vehicle... ... vehicle or may be removed from the vehicle for 9 programming. Further details of programming a multi-vehicle compatible controller 23 may be found in U.S. Patent No. 8,032,278 to Flick, assigned to the present assignee, 11 and the entire contents of which are herein incorporated by reference. Other or 12 ...	July 12, 2017	Patents	—	—
—	**81. REMOTE FUNCTION DEVICE AND ASSOCIATED WIRELESS SECURITY SENSOR FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan CA PAT APP 2951747 A1 A remote function control system is for a vehicle including a data communications bus extending throughout the vehicle and coupled to a plurality of vehicle devices, and a wired... ... or may be removed from the vehicle for 28 programming. Further details of programming a multi-vehicle compatible controller 23 29 may be found in U.S. Patent No. 8,032,278 to Flick, assigned to the present assignee, and the entire contents of which are herein incorporated by reference. Other or 11 23040620 ...	July 12, 2017	Patents	—	—
—	**82. REMOTE FUNCTION CONTROL SYSTEM WITH WIRELESS DATABUS DEVICE AND ASSOCIATED WIRELESS SECURITY SENSOR FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan CA PAT APP 2951778 A1 A remote function control system is for a vehicle including a data communications bus and coupled to a plurality of vehicle devices, and a wired electrical power system. A... ... or may be removed from the vehicle for 28 programming. Further details of programming a multi-vehicle compatible controller 23 29 may be found in U.S. Patent No. 8,032,278 to Flick, assigned to the present assignee, and the entire contents of which are herein incorporated by reference. Other or 11 23040561 ...	July 12, 2017	Patents	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**83. REMOTE FUNCTION CONTROL SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS** Out Of Plan CA PAT APP 2925135 A1 A remote function control system is for a vehicle including a data communications bus extending throughout the vehicle and coupled to a plurality of vehicle devices, and a wired... ... or 22 may be removed from the vehicle for programming. Further details of programming a multi- 23 vehicle compatible controller 23' may be found in U.S. Patent No. 8,032,278 to Flick, assigned 24 to the present assignee, and the entire contents of which are herein incorporated by reference. Other or additional ...	Oct. 28, 2016	Patents	—	—
—	**84. Patent Law Handbook s 3:2, § 3:2. Activity—35 U.S.C.A. §271(a)** 35 U.S.C.A. § 271, provides: (a) Except as otherwise provided in this title, whoever without authority makes, uses, offers to sell, or sells any patented invention, within the... ... reversed-in-part, vacated-in-part, and remanded the district court's judgment that CalAmp infringed U.S. Patents No. 6,346,876, No. 6,756,885, No. 7,671,727, and No. 8,032,278 , which related to multi vehicle compatible systems that can remotely control various vehicle functions (for example, remote vehicle starting) and read the status of various ...	2019	Other Secondary Source	—	—
—	**85. Patent Law Handbook s 3:4, § 3:4. Activity—35 U.S.C.A. §271(b) Inducing infringement** 35 U.S.C.A. § 271, provides: (b) Whoever actively induces infringement of a patent shall be liable as an infringer. To establish liability under § 271(b), a patent holder must... ... reversed-in-part, vacated-in-part, and remanded the district court's judgment that CalAmp infringed U.S. Patents No. 6,346,876, No. 6,756,885, No. 7,671,727, and No. 8,032,278 , which related to multi vehicle compatible systems that can remotely control various vehicle functions (for example, remote vehicle starting) and read the status of various ...	2019	Other Secondary Source	—	—
—	**86. Patent Law Handbook s 12:8, § 12:8. Mechanical systems and materials** In re Durance, the Federal Circuit vacated and remanded the USPTO Patent Trial and Appeal Board decision that upheld the patent examiner's rejection of the claims of U.S. patent... ... reversed-in-part, vacated-in-part, and remanded the district court's judgment that CalAmp infringed U.S. Patents No. 6,346,876, No. 6,756,885, No. 7,671,727, and No. 8,032,278 , which related to multi vehicle compatible systems that can remotely control various vehicle functions (for example, remote vehicle starting) and read the status of various ...	2019	Other Secondary Source	—	—

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Treatment	Title	Date	Type	Depth	Headnote(s)
—	**87. Patent Law Handbook s 7:11, § 7:11. Damages—Reasonable royalty** Title 35 of the U.S. Code, Section 284, provides: Upon finding for the claimant the court shall award the claimant damages adequate to compensate for the infringement but in no... ... reversed-in-part, vacated-in-part, and remanded the district court's judgment that CalAmp infringed U.S. Patents No. 6,346,876, No. 6,756,885, No. 7,671,727, and No. 8,032,278 , which related to multi vehicle compatible systems that can remotely control various vehicle functions (for example, remote vehicle starting) and read the status of various ...	2019	Other Secondary Source	—	—
—	**88. Patent Law Handbook s 7:16, § 7:16. Damages—Enhanced damages—Exceptional case—Willful infringement—Opinions of counsel** Favorable opinions of counsel normally present a well-grounded defense to willfulness, but the protection they afford is not absolute. Those cases where willful infringement is... ... reversed-in-part, vacated-in-part, and remanded the district court's judgment that CalAmp infringed U.S. Patents No. 6,346,876, No. 6,756,885, No. 7,671,727, and No. 8,032,278 , which related to multi vehicle compatible systems that can remotely control various vehicle functions (for example, remote vehicle starting) and read the status of various ...	2019	Other Secondary Source	—	—
—	**89. TOP STORY-FED. CIR.: NEW TRIAL REQUIRED AND DAMAGES VACATED IN REMOTE VEHICLE CONTROL PATENT DISPUTE** Although a federal district court's no-invalidity findings were affirmed, reversal of several findings of infringement required vacatur of the over-$15 million damages award and a... ... suit brought by Omega Patents against CalAmp Corp. alleging infringement of Omega's U.S. Patent Nos. 6,346,876 ('876 patent)6,756,885 ('885 patent)7,671,727 ('727 patent), and 8,032,278 ('278 patent) , the...Although a federal district court's no-invalidity findings were affirmed, reversal of several findings of infringement required vacatur of the over-$15 ...	2019	Other Secondary Source	—	—

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User Name: MONICA GRAVES
Date and Time: Wednesday, November 13, 2019 11:13:00 AM EST
Job Number: 102766490

Documents (5)

1. *6:13cv1950, Omega Patents, Llc V. Calamp Corp.*
   Client/Matter: -None-
   Search Terms: US PAT 8032278 or 8,032,278
   Search Type: Terms and Connectors
   Narrowed by:

Content Type	Narrowed by
Dockets	Case Status: Open,Unknown,Closed

2. *1:17cv2769, Omega Patents, Llc V. Enfora, Inc.*
   Client/Matter: -None-
   Search Terms: US PAT 8032278 or 8,032,278
   Search Type: Terms and Connectors
   Narrowed by:

Content Type	Narrowed by
Dockets	Case Status: Open,Unknown,Closed

3. *1:13cv646, Omega Patents, Llc V. Enfora, Inc.*
   Client/Matter: -None-
   Search Terms: US PAT 8032278 or 8,032,278
   Search Type: Terms and Connectors
   Narrowed by:

Content Type	Narrowed by
Dockets	Case Status: Open,Unknown,Closed

4. *1:17mi99999, Plaintiff V. Defendant, Part 2 of 3*
   Client/Matter: -None-
   Search Terms: US PAT 8032278 or 8,032,278
   Search Type: Terms and Connectors
   Narrowed by:

Content Type	Narrowed by
Dockets	Case Status: Open,Unknown,Closed

5. *18-1309, Omega Patents, LLC v. CalAmp Corp.*
   Client/Matter: -None-
   Search Terms: US PAT 8032278 or 8,032,278
   Search Type: Terms and Connectors

Narrowed by:

Content Type	Narrowed by
Dockets	Case Status: Open,Unknown,Closed

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6:13cv1950, Omega Patents, Llc V. Calamp Corp.

US District Court Docket

US District Court for the Middle District of Florida

(Orlando)

This case was retrieved on 11/03/2019

Header

Case Number: 6:13cv1950
Date Filed: 12/20/2013
Assigned To: Judge Paul G. Byron
Referred To: Magistrate Judge Daniel C. Irick
Nature of Suit: Patent (830)
Cause: Patent Infringement
Lead Docket: None
Other Docket: USCAFC, 18-1309-FS
Jurisdiction: Federal Question

Class Code: Open
Statute: 35:271
Jury Demand: Both
Demand Amount: $0
NOS Description: Patent

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Proceedings

#	Date	Proceeding Text	Source
1	12/20/2013	COMPLAINT Injunctive Relief Requested against Calamp Corp. with Jury Demand (Filing fee $ 400 receipt number Orl-030433) filed by Omega Patents, LLC. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A-C, # 3 Exhibit D-F)(JEV) (Entered: 12/20/2013)	
2	12/20/2013	SUMMONS issued as to Calamp Corp. (JEV) (Entered: 12/20/2013)	
3	12/20/2013	Patent Report sent to Alexandria, VA. (Attachments: # 1 Complaint, # 2 Exhibit A-C, # 3 Exhibit D-F) (JEV) (Entered: 12/20/2013)	
4	12/30/2013	RELATED CASE ORDER AND NOTICE of designation under Local Rule 3.05 - track 2. Notice of pendency of other actions due by 1/13/2014. Signed by Judge Gregory A. Presnell on 12/30/2013. Copies mailed.(LAM) (Entered: 12/30/2013)	

6:13cv1950, Omega Patents, Llc V. Calamp Corp.

#	Date	Proceeding Text	Source
5	12/30/2013	INTERESTED PERSONS ORDER. Certificate of interested persons and corporate disclosure statement due by 1/13/2014. Signed by Judge Gregory A. Presnell on 12/30/2013. Copies mailed.(LAM) (Entered: 12/30/2013)	
6	01/14/2014	NOTICE of pendency of related cases re 4 Related case order and track 2 notice per Local Rule 1.04(d) by Omega Patents, LLC. Related case(s): Yes. (Santurri, Ryan) Modified on 1/15/2014 (JEV). (Entered: 01/14/2014)	
7	01/14/2014	CERTIFICATE of interested persons and corporate disclosure statement re 5 Interested persons order by Omega Patents, LLC. (Santurri, Ryan) (Entered: 01/14/2014)	
8	01/15/2014	NOTICE of Appearance by Christopher S. Carver on behalf of Calamp Corp. (Carver, Christopher) (Entered: 01/15/2014)	
9	01/15/2014	NOTICE of pendency of related cases re 4 Related Case Order per Local Rule 1.04(d) by Calamp Corp. Related case(s): yes (Carver, Christopher) Modified on 1/16/2014 (JET). (Entered: 01/15/2014)	
10	01/15/2014	ANSWER and affirmative defenses to 1 Complaint with Jury Demand , COUNTERCLAIM against Omega Patents, LLC by Calamp Corp. (Carver, Christopher) Modified on 1/16/2014 (JET). (Entered: 01/15/2014)	
11	01/15/2014	CERTIFICATE of interested persons and corporate disclosure statement re 5 Interested persons order by Calamp Corp.. (Carver, Christopher) (Entered: 01/15/2014)	
12	01/15/2014	***PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Joel A. Kauth, appearing on behalf of Calamp Corp. (Filing fee $10 receipt number ORL31013) re 22 MOTION for Joel A. Kauth to appear pro hac vice by Calamp Corp. (JET) (JET). Modified on 3/4/2014 (IGC). (Entered: 01/15/2014)	
13	01/16/2014	NOTICE to counsel Joel A. Kauth of Local Rule 2.02 (signed by deputy clerk). (JET) (Entered: 01/16/2014)	
14	01/17/2014	NOTICE to counsel Christopher S. Carver of Local Rule 2.01 (signed by deputy clerk). (JET) (Entered: 01/17/2014)	
15	01/17/2014	NOTICE of Appearance by Peter A. Chiabotti on behalf of Calamp Corp. (Chiabotti, Peter) (Entered: 01/17/2014)	
16	01/29/2014	CERTIFICATE of compliance re: Service of documents 4, 5, 6and 7 on Defendant by Omega Patents, LLC. (Gilchrist, Brian) Modified on 1/30/2014 (JET). (Entered: 01/29/2014)	
17	02/05/2014	MOTION to Dismiss Counterclaims and Memorandum in Support by Omega Patents, LLC. (Santurri, Ryan) (Entered: 02/05/2014)	
18	02/06/2014	Unopposed MOTION to Appear Telephonically at Case Management Conference by Calamp Corp. (Carver, Christopher) Modified on 2/7/2014 (JET). (Entered: 02/06/2014)	
19	02/07/2014	ORDER granting 18 Motion to attend case management conference by phone. Signed by Judge Gregory A. Presnell on 2/7/2014. (TKW) (Entered: 02/07/2014)	
20	02/24/2014	Amended COUNTERCLAIM -- CalAmp Corp.'s First Amended Counterclaim against Omega Patents, LLC filed by Calamp Corp..(Carver, Christopher) (Entered: 02/24/2014)	
21	02/26/2014	ORDER denying as moot 17 motion to dismiss original counterclaim. Signed by Judge Gregory A. Presnell on 2/26/2014. (TKW) (Entered: 02/26/2014)	
22	03/03/2014	MOTION for Joel A. Kauth to appear pro hac vice by Calamp Corp.. (Attachments: # 1 Exhibit A - (proposed) Order Granting Motion to Appeal Pro Hac Vice of Attorney Joel A. Kauth)(Carver, Christopher) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/03/2014)	

#	Date	Proceeding Text	Source
23	03/03/2014	Written designation and consent to act by Christopher S. Carver on behalf of Calamp Corp.. Local Counsel: Christopher S. Carver. Non-Resident Counsel: Joel A. Kauth. (Carver, Christopher) (Entered: 03/03/2014)	
24	03/04/2014	ENDORSED ORDER granting 22 motion to appear pro hac vice. Provided, all counsel shall register for and use the electronic filing system as adopted by the Court. After this Order, the Clerk will no longer send copies of docket entries by U.S. Mail to counsel in this case. Appearance and participation by more than one attorney at any hearing or trial is subject to the discretion of the presiding judge. Signed by Magistrate Judge David A. Baker on 3/4/2014. (Baker, David) (Entered: 03/04/2014)	
25	03/11/2014	REPLY to 20 Counterclaim by Omega Patents, LLC.(Santurri, Ryan) (Entered: 03/11/2014)	
26	03/11/2014	CASE MANAGEMENT REPORT. (Gilchrist, Brian) (Entered: 03/11/2014)	
27	03/12/2014	ORDER of recusal. Signed by Judge Gregory A. Presnell on 3/12/2014. (TKW) (Entered: 03/12/2014)	
28	03/12/2014	Case Reassigned to Judge Charlene Edwards Honeywell. New case number: 6:13-cv-1950-Orl-36DAB. Judge Gregory A. Presnell no longer assigned to the case. (IGC) (Entered: 03/12/2014)	
29	03/14/2014	CASE MANAGEMENT AND SCHEDULING ORDER: Amended Pleadings due by 4/18/2014, Joinder of Parties due by 4/18/2014, Discovery due by 6/1/2015, Dispositive motions due by 7/1/2015, Pretrial statement due by 9/15/2015, Conduct mediation hearing by 6/16/2015. Lead counsel to coordinate dates. Claim Construction Hearing set for 11/24/2014 at 10:00 AM in Orlando Courtroom 5 B before Judge Charlene Edwards Honeywell. Final Pretrial Conference set for 10/20/2015 at 01:30 PM in Orlando Courtroom 5 B before Judge Charlene Edwards Honeywell, Jury Trial set for 11/2/2015 term in Orlando Courtroom 5 B before Judge Charlene Edwards Honeywell. Signed by Judge Charlene Edwards Honeywell on 3/14/2014. (NBL) (Entered: 03/14/2014)	
30	03/14/2014	CASE REFERRED to Mediation. (MAA) (Entered: 03/19/2014)	
31	03/27/2014	NOTICE of mediation conference/hearing to be held on 11/10/2014 at 9:30 a.m. before Emery H. Rosenbluth, Jr., Esq..(Santurri, Ryan) (Entered: 03/27/2014)	
32	04/16/2014	***PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Eugene K. Chong, appearing on behalf of Calamp Corp. (Filing fee $10 receipt number ORL-33338). (MAA) (MAA). (Entered: 04/16/2014)	
33	05/07/2014	MOTION for Eugene Chong to appear pro hac vice by Calamp Corp.. (Attachments: # 1 Exhibit A - (proposed) Order Granting Motion to Appear Pro Hace Vice)(Carver, Christopher) Motions referred to Magistrate Judge David A. Baker. (Entered: 05/07/2014)	
34	05/07/2014	ENDORSED ORDER granting 33 motion to appear pro hac vice. Provided, all counsel shall register for and use the electronic filing system as adopted by the Court. After this Order, the Clerk will no longer send copies of docket entries by U.S. Mail to counsel in this case. Signed by Magistrate Judge David A. Baker on 5/7/2014. (Baker, David) (Entered: 05/07/2014)	
35	07/02/2014	Case Reassigned to Judge Paul G. Byron. New case number: 6:13-cv-1950-Orl-40-DAB. Judge Charlene Edwards Honeywell no longer assigned to the case. (SC) (Entered: 07/02/2014)	
36	07/03/2014	AMENDED NOTICE of Claim Construction Hearing: Claim Construction Hearing set for 11/24/2014 at 10:00 AM in Orlando	

#	Date	Proceeding Text	Source
		Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. (NBL) copies e-mailed (Entered: 07/03/2014)	
37	07/07/2014	AMENDED NOTICE of hearing: Final Pretrial Conference set for 10/20/2015 at 1:30 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, Jury Trial set for the November 2015 Trial term, term commencing 11/2/2015 at 09:00 AM in Orlando Courtroom 4 B before Judge Paul G. Byron. (NBL) copies e-mailed (Entered: 07/07/2014)	
38	09/05/2014	MOTION for miscellaneous relief, specifically Motion for Claim Construction by Omega Patents, LLC. (Attachments: # 1 Exhibit A - U.S. Patent 6,346,876, # 2 Exhibit B - U.S. Patent 6,756,885, # 3 Exhibit C - U.S. Patent 5,719,551)(Santurri, Ryan) (Entered: 09/05/2014)	
39	09/05/2014	DEFENDANT'S Opening Claim Construction Brief re 29 Case management and scheduling orderSet Hearings filed by Calamp Corp.. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D)(Kauth, Joel) Modified on 9/8/2014 (MAA). (Entered: 09/05/2014)	
40	10/03/2014	RESPONSE in opposition to 39 Motion for Claim Construction filed by Omega Patents, LLC. (Santurri, Ryan) Modified on 10/6/2014 (LAK). (Entered: 10/03/2014)	
41	10/03/2014	RESPONSIVE Claim Construction brief filed by Calamp Corp. (Kauth, Joel) Modified on 10/6/2014 (LAK). (Entered: 10/03/2014)	
42	10/30/2014	ORDER re: Claim Construction Hearing. Signed by Judge Paul G. Byron on 10/30/2014. (RML) (Entered: 10/30/2014)	
43	11/11/2014	MEDIATION report Hearing held on 111014. Hearing outcome: Impasse.. (Rosenbluth, Emery) (Entered: 11/11/2014)	
44	11/17/2014	RESPONSE re 42 Order pdf -- Joint Pre-Hearing Statement filed by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 11/17/2014)	
45	11/21/2014	NOTICE of Appearance by Carrie Ann Wozniak on behalf of Calamp Corp. (Wozniak, Carrie) (Entered: 11/21/2014)	
46	11/24/2014	Minute Entry (CLAIM CONSTRUCTION HEARING) Proceedings held before Judge Paul G. Byron on 11/24/2014. Written Order to issue. Court Reporter: Koretta Stanford (NBL) (Entered: 11/24/2014)	
47	11/28/2014	NOTICE RESCHEDULING FINAL PRETRIAL CONFERENCE (TIME ONLY): Final Pretrial Conference reset for 10/20/2015 at 3:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. *(previously noticed for 1:30 p.m.) (NBL) copies mailed/e-mailed (Entered: 11/28/2014)	
48	12/12/2014	PLAINTIFF'S BRIEF/Memorandum of Law on Markman Issues re 46 Miscellaneous Hearing filed by Omega Patents, LLC. (Santurri, Ryan) Text modified on 12/15/2014 (RDO). (Entered: 12/12/2014)	
49	12/12/2014	SUPPLEMENTAL BRIEF on Claim Construction re 46 Miscellaneous Hearing filed by Calamp Corp.. (Kauth, Joel) Text modified on 12/15/2014 (RDO). (Entered: 12/12/2014)	
50	02/20/2015	ORDER ON CLAIM CONSTRUCTION re: 38, 39. Signed by Judge Paul G. Byron on 2/20/2015. (RML) (Entered: 02/20/2015)	
51	03/23/2015	Joint MOTION for Extension of Time to Complete Discovery to June 15, 2015 by Calamp Corp.. (Kauth, Joel) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/23/2015)	
52	03/24/2015	ENDORSED ORDER granting 51 Motion for Extension of Time to Complete Discovery. Provided, however, this extension in no way relieves the parties of other obligations and deadlines set forth in the Scheduling Order. Further, this extension shall not be the basis for seeking relief from that Order. Provided further, this	

#	Date	Proceeding Text	Source
		extension assumes that there will be no disputes regarding discovery within this extended period, and the Court will not entertain any motions pertaining to such disputes. In particular, the parties are reminded that the deadline for filing of dispositive motions is NOT extended. Signed by Magistrate Judge David A. Baker on 3/24/2015. (Baker, David) (Entered: 03/24/2015)	
	03/25/2015	Set/reset scheduling order deadlines: Discovery due by 6/15/2015 (RDO) (Entered: 03/25/2015)	
53	07/01/2015	Joint MOTION for leave to file Exhibits Under Seal in Connection with Daubert and Dispositive Motions by Omega Patents, LLC. (Santurri, Ryan) (Entered: 07/01/2015)	
54	07/01/2015	MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition by Omega Patents, LLC. (Santurri, Ryan) (Entered: 07/01/2015)	
55	07/01/2015	MOTION for miscellaneous relief, specifically Motion and Memorandum of Law to Exclude the Testimony of Defendant's Expert Eric Andrews by Omega Patents, LLC. (Santurri, Ryan) (Entered: 07/01/2015)	
56	07/01/2015	MOTION for miscellaneous relief, specifically Motion and Memorandum to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. by Omega Patents, LLC. (Santurri, Ryan) (Entered: 07/01/2015)	
57	07/01/2015	APPENDIX re 56 MOTION for miscellaneous relief, specifically Motion and Memorandum to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. , 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition, 55 MOTION for miscellaneous relief, specifically Motion and Memorandum of Law to Exclude the Testimony of Defendant's Expert Eric Andrews by Omega Patents, LLC. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Exhibit 6, # 7 Exhibit 7, # 8 Exhibit 8, # 9 Exhibit 9, # 10 Exhibit 10, # 11 Exhibit 11, # 12 Exhibit 12)(Santurri, Ryan) (Entered: 07/01/2015)	
58	07/01/2015	(** STRICKEN per 77 Order **) MOTION for summary judgment of invalidity by Calamp Corp. (Kauth, Joel) Modified on 7/22/2015 (SWT). (Entered: 07/01/2015)	
59	07/01/2015	DECLARATION of Eric Andrews by Calamp Corp. in support of 58 Motion for Summary Judgment. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Exhibit G, # 8 Exhibit H, # 9 Exhibit I, # 10 Exhibit J, # 11 Exhibit K, # 12 Exhibit L, # 13 Exhibit M, # 14 Exhibit N)(Kauth, Joel) Modified on 7/2/2015 (RDO). (Entered: 07/01/2015)	
60	07/01/2015	(** STRICKEN per 77 Order **) MOTION for summary judgment of noninfringement by Calamp Corp. (Kauth, Joel) Modified on 7/22/2015 (SWT). (Entered: 07/02/2015)	
61	07/02/2015	DECLARATION of Eric Andrews by Calamp Corp.in support of 60 Motion for Summary Judgment. (Attachments: # 1 Exhibit A)(Kauth, Joel) Modified on 7/2/2015 (RDO). (Entered: 07/02/2015)	
62	07/02/2015	ENDORSED ORDER granting 53 Joint Motion for Leave to File Exhibits Under Seal in Connection with Daubert and Dispositive Motions. Signed by Judge Paul G. Byron on 7/2/2015. (MMW) (Entered: 07/02/2015)	
63	07/02/2015	APPENDIX re 61 Declaration of Eric Andrews in Support of Motion for Summary Judgment of Noninfringement by Calamp Corp.. (Attachments: # 1 Exhibit B-1, # 2 Exhibit B-2, # 3 Exhibit C-1, # 4 Exhibit C-2, # 5 Exhibit D-1, # 6 Exhibit D-2, # 7 Exhibit E-1, # 8 Exhibit E-2, # 9 Exhibit F-1, # 10 Exhibit F-2, # 11 Exhibit F-3)(Kauth, Joel) (Entered: 07/02/2015)	

#	Date	Proceeding Text	Source
64	07/02/2015	MOTION to Strike 60 MOTION for summary judgment of noninfringement in Exceedence of CMSO Limitation on Motions for Summary Judgment by Omega Patents, LLC. (Santurri, Ryan) Motions referred to Magistrate Judge David A. Baker. (Entered: 07/02/2015)	
65	07/06/2015	SUMMARY JUDGMENT NOTICE re 58 MOTION for summary judgment of invalidity, 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition, 60 MOTION for summary judgment of noninfringement. Unless the Court notifies the parties otherwise, there will not be a hearing on this motion. (NBL) copies e-mailed (Entered: 07/06/2015)	
	07/06/2015	Sealed Document S-66. (MAA) (Entered: 07/08/2015)	
67	07/08/2015	Unopposed MOTION for Extension of Time to File Response to Document 60 Pending Ruling on Plaintiff's Motion to Strike by Omega Patents, LLC. (Santurri, Ryan) (Entered: 07/08/2015)	
68	07/09/2015	ENDORSED ORDER granting 67 Motion for Extension of Time to File. Signed by Judge Paul G. Byron on 7/9/2015. (MMW) (Entered: 07/09/2015)	
69	07/09/2015	AMENDED CASE MANAGEMENT AND SCHEDULING ORDER. Signed by Judge Paul G. Byron on 7/9/2015. (MMW) (Entered: 07/09/2015)	
	07/10/2015	Set/reset scheduling order deadlines: Pretrial statement due by 9/22/2015, All other motions due by 9/29/2015, Final Pretrial Conference set for 10/20/2015 at 03:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, Jury Trial set for trial term beginning on 11/2/2015 at 09:00 AM in Orlando Courtroom 4 B before Judge Paul G. Byron. (RDO) (Entered: 07/10/2015)	
70	07/20/2015	RESPONSE in Opposition re 58 MOTION for summary judgment of invalidity filed by Omega Patents, LLC. (Attachments: # 1 Exhibit 13)(Santurri, Ryan) (Entered: 07/20/2015)	
71	07/20/2015	STIPULATION of Undisputed Facts; re 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition by Omega Patents, LLC. (Santurri, Ryan) Modified on 7/21/2015 (SWT). (Entered: 07/20/2015)	
72	07/20/2015	RESPONSE in Opposition re 64 MOTION to Strike 60 MOTION for summary judgment of noninfringement in Exceedence of CMSO Limitation on Motions for Summary Judgment filed by Calamp Corp.. (Kauth, Joel) (Entered: 07/20/2015)	
73	07/20/2015	Joint STIPULATION of Agreed Material Facts; re 58 MOTION for summary judgment of invalidity by Calamp Corp. (Kauth, Joel) Modified on 7/21/2015 (SWT). (Entered: 07/20/2015)	
74	07/20/2015	RESPONSE in Opposition re 56 MOTION for miscellaneous relief, specifically Motion and Memorandum to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. filed by Calamp Corp.. (Kauth, Joel) (Entered: 07/20/2015)	
75	07/20/2015	RESPONSE in Opposition re 55 MOTION for miscellaneous relief, specifically Motion and Memorandum of Law to Exclude the Testimony of Defendant's Expert Eric Andrews filed by Calamp Corp.. (Kauth, Joel) (Entered: 07/20/2015)	
76	07/20/2015	RESPONSE in Opposition re 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition filed by Calamp Corp.. (Attachments: # 1 Appendix, # 2 Exhibit 1, # 3 Exhibit 2, # 4 Exhibit 3, # 5 Exhibit 4, # 6 Exhibit 5, # 7 Exhibit 6, # 8 Exhibit 7, # 9 Exhibit 8, # 10 Exhibit 9, # 11 Exhibit 10, # 12 Exhibit 11, # 13 Exhibit 12)(Kauth, Joel) (Entered: 07/21/2015)	
77	07/21/2015	ORDER granting in part 64 Motion to strike 58 MOTION for summary judgment and 60 MOTION for summary judgment. Defendant shall have until Monday, July 27, 2015, in which to file	

#	Date	Proceeding Text	Source
		a single compliant motion for summary judgment. Signed by Magistrate Judge David A. Baker on 7/21/2015. (LAK) (Entered: 07/21/2015)	
78	07/27/2015	MOTION for summary judgment and memorandum of law regarding invalidity and noninfringement by Calamp Corp.. (Kauth, Joel) (Entered: 07/27/2015)	
79	08/03/2015	REPLY to Response to Motion re 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition filed by Omega Patents, LLC. (Santurri, Ryan) (Entered: 08/03/2015)	
80	08/04/2015	SUMMARY JUDGMENT NOTICE re 78 MOTION for summary judgment and memorandum of law regarding invalidity and noninfringement. Unless the Court notifies the parties otherwise, there will not be a hearing on this motion. (NBL) copies e-mailed (Entered: 08/04/2015)	
81	08/06/2015	RESPONSE in Opposition re 78 MOTION for summary judgment and memorandum of law regarding invalidity and noninfringement filed by Omega Patents, LLC. (Attachments: # 1 Exhibit 13)(Santurri, Ryan) (Entered: 08/06/2015)	
82	08/06/2015	REQUEST for oral argument re 56 MOTION for miscellaneous relief, specifically Motion and Memorandum to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. , 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition, 55 MOTION for miscellaneous relief, specifically Motion and Memorandum of Law to Exclude the Testimony of Defendant's Expert Eric Andrews by Omega Patents, LLC. (Santurri, Ryan) (Entered: 08/06/2015)	
83	08/24/2015	REPLY in support of 78 MOTION for summary judgment and memorandum of law regarding invalidity and noninfringement filed by Calamp Corp.. (Kauth, Joel) Text modified on 8/25/2015 (RDO). (Entered: 08/24/2015)	
84	08/27/2015	UNOPPOSED MOTION for miscellaneous relief, specifically For Lead Counsel To Attend Meeting to Prepare Joint Final Pretrial Statement by Video Conference by Calamp Corp.. (Kauth, Joel) Text modified on 8/28/2015 (RDO). (Entered: 08/27/2015)	
85	08/28/2015	ENDORSED ORDER granting 84 Unopposed Motion for Lead Counsel to Attend Meeting to Prepare Joint Final Pretrial Statement by Video Conference. Signed by Judge Paul G. Byron on 8/28/2015. (MMW) (Entered: 08/28/2015)	
86	09/08/2015	MOTION for Charles Halloran to appear pro hac vice by Calamp Corp.. (Wozniak, Carrie) Motions referred to Magistrate Judge David A. Baker. (Entered: 09/08/2015)	
87	09/09/2015	ENDORSED ORDER granting 86 motion to appear pro hac vice. Signed by Magistrate Judge David A. Baker on 9/9/2015. (Baker, David) (Entered: 09/09/2015)	
88	09/09/2015	***PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Charles Halloran, appearing on behalf of Calamp Corp. (Filing fee $150 receipt number ORL-46938.) Related document: 86 MOTION for Charles Halloran to appear pro hac vice. (MAA) (MAA). (Entered: 09/09/2015)	
89	09/17/2015	SUPPLEMENT re 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition by Omega Patents, LLC. (Attachments: # 1 Exhibit Exhibit A)(Santurri, Ryan) (Entered: 09/17/2015)	
90	09/22/2015	Joint PRETRIAL statement by Omega Patents, LLC and Calamp Corp. (Attachments: # 1 Exhibit A - Plaintiff's Exhibit List, # 2 Exhibit B - Defendant's Exhibit List, # 3 Exhibit C - Plaintiff's Witness List, # 4 Exhibit D - Defendant's Witness List, # 5 Exhibit E - Plaintiff's Deposition Designations, # 6 Exhibit F - Defendant's	

#	Date	Proceeding Text	Source
		Deposition Designations, # 7 Exhibit G - Plaintiff's Proposed Voir Dire, # 8 Exhibit H - Defendant's Proposed Voir Dire, # 9 Exhibit I - Jury Instructions, # 10 Exhibit J - Plaintiff's Proposed Verdict Form, # 11 Exhibit K - Defendant's Proposed Verdict Form)(Santurri, Ryan) Modified on 9/23/2015 (SWT). (Entered: 09/22/2015)	
91	09/23/2015	NOTICE OF CONTINUANCE OF TRIAL TERM and FINAL PRETRIAL CONFERENCE: Final Pretrial Conference is rescheduled for 11/17/2015 at 3:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron. Jury Trial set for the DECEMBER 2015 TRIAL TERM, term commencing 12/1/2015 in Orlando Courtroom 4 B before Judge Paul G. Byron. (NBL) copies e-mailed (Entered: 09/23/2015)	
92	09/24/2015	NOTICE by Calamp Corp. of Conflict with Trial Docket (Wozniak, Carrie) (Entered: 09/24/2015)	
93	09/29/2015	MOTION to Bifurcate Issues of Inequitable Conduct and Prosecution Laches by Omega Patents, LLC. (Santurri, Ryan) (Entered: 09/29/2015)	
94	09/29/2015	MOTION in limine by Omega Patents, LLC. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F)(Santurri, Ryan) (Entered: 09/29/2015)	
95	09/29/2015	MOTION for miscellaneous relief, specifically That U.S. Patent Nos. 6,346,876 B1, 6,756,885 B1, 7,671,727 B2, and ***8,032,278*** B2 are not entitled to any priority date earlier than their actual filing dates by Calamp Corp.. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Exhibit G, # 8 Exhibit H, # 9 Exhibit I, # 10 Exhibit J)(Kauth, Joel) (Entered: 09/29/2015)	
96	09/29/2015	MOTION in limine by Calamp Corp.. (Attachments: # 1 Exhibit A, # 2 Exhibit B)(Kauth, Joel) (Entered: 09/29/2015)	
97	10/13/2015	RESPONSE in Opposition re 95 MOTION for miscellaneous relief, specifically That U.S. Patent Nos. 6,346,876 B1, 6,756,885 B1, 7,671,727 B2, and ***8,032,278*** B2 are not entitled to any priority date earlier than their actual filing dates filed by Omega Patents, LLC. (Santurri, Ryan) (Entered: 10/13/2015)	
98	10/13/2015	RESPONSE in Opposition re 96 MOTION in limine filed by Omega Patents, LLC. (Santurri, Ryan) (Entered: 10/13/2015)	
99	10/13/2015	TRIAL BRIEF by Calamp Corp.. (Kauth, Joel) (Entered: 10/13/2015)	
100	10/16/2015	RESPONSE in Opposition re 93 MOTION to Bifurcate Issues of Inequitable Conduct and Prosecution Laches filed by Calamp Corp.. (Attachments: # 1 Exhibit, # 2 Exhibit, # 3 Exhibit, # 4 Exhibit, # 5 Exhibit, # 6 Exhibit)(Kauth, Joel) (Entered: 10/16/2015)	
101	10/16/2015	RESPONSE in Opposition re 94 MOTION in limine filed by Calamp Corp.. (Attachments: # 1 Exhibit, # 2 Exhibit, # 3 Exhibit, # 4 Exhibit, # 5 Exhibit, # 6 Exhibit, # 7 Exhibit)(Kauth, Joel) (Entered: 10/16/2015)	
102	11/02/2015	NOTICE RESCHEDULING FINAL PRETRIAL CONFERENCE (TIME ONLY): Final Pretrial Conference is reset for 11/17/2015 at 1:30 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. *(previously noticed for 3:00 pm) (NBL) copies e-mailed (Entered: 11/02/2015)	
103	11/13/2015	ENDORSED ORDER re 102 Notice of Hearing. All counsel may appear by telephone for the final pretrial conference. This case will not be on the December trial term, therefore another final pretrial conference will be noticed for the month prior to the start of the new trial term. Signed by Judge Paul G. Byron on 11/13/2015.	

#	Date	Proceeding Text	Source
		(MMW) (Entered: 11/13/2015)	
104	11/16/2015	NOTICE TO COUNSEL REGARDING TELEPHONIC FINAL PRETRIAL CONFERENCE: Counsel shall appear by calling into the Toll Free Meeting Number: 1-888-363-4735, Access Code: 3126210 and Security Code: 111715. (NBL) copies e-mailed (Entered: 11/16/2015)	
105	11/17/2015	Minute Entry. (PRETRIAL CONFERENCE) Proceedings held before Judge Paul G. Byron on 11/17/2015. Court Reporter: Koretta Stanford (NBL) (Entered: 11/17/2015)	
106	11/17/2015	NOTICE of Daubert Hearing (Oral Argument) re 56 MOTION to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. Daubert Hearing is set for 12/8/2015 at 1:30 PM in Orlando Courtroom 4 B before Judge Paul G. Byron. The Court has set aside (30) minutes per side. (NBL) copies e-mailed (Entered: 11/17/2015)	
107	11/17/2015	NOTICE OF DATE CERTAIN JURY TRIAL: Jury Trial shall commence on Tuesday, 2/16/2016 at 9:00 AM in Orlando Courtroom 4 B before Judge Paul G. Byron,U.S. District Court, 401 West Central Blvd., Orlando, Florida. Trial is estimated at (5)days. (NBL) copies e-mailed (Entered: 11/17/2015)	
108	11/17/2015	NOTICE OF FINAL PRETRIAL CONFERENCE: Final Pretrial Conference is set for 1/20/2016 at 3:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. (NBL) copies emailed (Entered: 11/17/2015)	
109	11/17/2015	NOTICE Regarding Summary Judgment Exhibits by Omega Patents, LLC re 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition (Attachments: # 1 Exhibit PX5)(Santurri, Ryan) Text modified on 11/18/2015 (RDO). (Entered: 11/17/2015)	
110	11/19/2015	NOTICE RESCHEDULING DAUBERT HEARING: re 56 Motion and Memorandum to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. The Daubert Hearing is rescheduled for Friday, 12/11/2015 at 1:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. The Court has set aside (30) minutes per side. (NBL) copies e-mailed (Entered: 11/19/2015)	
111	11/19/2015	NOTICE TO COUNSEL: The Daubert Hearing scheduled for December 11, 2015 at 1:00 pm will be Oral Argument, (30) minutes per side. (NBL) copies e-mailed (Entered: 11/19/2015)	
112	11/19/2015	NOTICE of Appearance as Additional Counsel Appearance by Thomas R. Yaegers on behalf of Calamp Corp. (Yaegers, Thomas) (Entered: 11/19/2015)	
113	11/30/2015	NOTICE by Omega Patents, LLC Regarding Accused Products (Santurri, Ryan) (Entered: 11/30/2015)	
114	11/30/2015	NOTICE by Calamp Corp. Regarding Accused Devices (Attachments: # 1 Exhibit 1, # 2 Exhibit 2)(Kauth, Joel) (Entered: 11/30/2015)	
115	12/11/2015	Minute Entry (DAUBERT HEARING) Proceedings held before Judge Paul G. Byron re 56 MOTION to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. Court takes motion under advisement. Court Reporter: Koretta Stanford (NBL) (Entered: 12/11/2015)	
116	12/22/2015	NOTICE RESCHEDULING FINAL PRETRIAL CONFERENCE (TIME ONLY): Final Pretrial Conference is reset for 1/20/2016 at 4:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. *(previously noticed for 3:00 pm) (NBL) copies e-mailed (Entered:	

#	Date	Proceeding Text	Source
		12/22/2015)	
117	12/23/2015	ORDER granting in part and denying in part 55 Plaintiff's Motion and Memorandum of Law to Exclude the Testimony of Defendant's Expert Eric Andrews; granting 56 Plaintiff's Motion and Memorandum of Law to Exclude the Testimony of Defendant's Expert on Damages. Signed by Judge Paul G. Byron on 12/23/2015. (RML) (Entered: 12/23/2015)	
118	12/23/2015	ORDER granting in part and denying in part 54 Plaintiff's Motion and Memorandum for Summary Judgment as to Validity, Infringement, Enforceability and Unfair Competition; denying 78 Defendant CalAmp Corp.'s Motion for Summary Judgment and Memorandum of Law Regarding Invalidity and Noninfringement. Signed by Judge Paul G. Byron on 12/23/2015. (RML) (Entered: 12/23/2015)	
119	01/05/2016	ORDER granting in part and denying in part 93 Plaintiff's Motion to Bifurcate Issues of Inequitable Conduct and Prosecution Laches. Signed by Judge Paul G. Byron on 1/5/2016. (RML) (Entered: 01/05/2016)	
120	01/07/2016	ENDORSED ORDER directing the parties to file with the Court all full deposition transcripts which they intend to designate for use at trial. Transcripts must be filed by 5:00 P.M. on January 11, 2016. Signed by Judge Paul G. Byron on 1/7/2016. (MMW) (Entered: 01/07/2016)	
121	01/13/2016	ORDER denying without prejudice as premature 95 Defendant CalAmp Corp.'s Motion That U.S. Patent Nos. '876, '885, '727, and '278 Are Not Entitled To Any Priority Date Earlier Than Their Actual Filing Dates. Signed by Judge Paul G. Byron on 1/13/2016. (RML) (Entered: 01/13/2016)	
122	01/19/2016	ORDER granting in part and denying in part 94 Plaintiff Omega Patents, LLC's Motion in Limine. Signed by Judge Paul G. Byron on 1/19/2016. (RML) (Entered: 01/19/2016)	
123	01/20/2016	Minute Entry (FINAL PRETRIAL CONFERENCE) Proceedings held before Judge Paul G. Byron on 1/20/2016. Court Reporter: Diane Peede (NBL) (Entered: 01/21/2016)	
124	01/21/2016	FEBRIARY 2016 TRIAL CALENDAR for United States District Judge Paul G. Byron.(NBL) copies e-mailed (Entered: 01/21/2016)	
125	01/22/2016	CIVIL PRETRIAL ORDER and ORDER denying 96 Defendant CalAmp Corp.'s Motion in Limine. Signed by Judge Paul G. Byron on 1/22/2016. (RML) (Entered: 01/22/2016)	
126	02/01/2016	ORDER re: [90-5] [90-6] the parties' objections to deposition designations and counter-designations. Signed by Judge Paul G. Byron on 2/1/2016. (RML) (Entered: 02/01/2016)	
127	02/12/2016	Exhibit List by Calamp Corp.. (Kauth, Joel) (Entered: 02/12/2016)	
128	02/12/2016	Witness List by Calamp Corp.. (Kauth, Joel) (Entered: 02/12/2016)	
129	02/15/2016	Exhibit List (Corrected) by Calamp Corp.. (Kauth, Joel) (Entered: 02/15/2016)	
130	02/16/2016	Minute Entry (JURY TRIAL DAY 1) Proceedings held before Judge Paul G. Byron on 2/16/2016. Court Reporter: Koretta Stanford (NBL) (Entered: 02/17/2016)	
131	02/17/2016	Minute Entry (JURY TRIAL DAY 2) Proceedings held before Judge Paul G. Byron on 2/17/2016. Court Reporter: Koretta Stanford (NBL) (Entered: 02/17/2016)	
132	02/18/2016	Minute Entry (JURY TRIAL DAY 3) Proceedings held before Judge Paul G. Byron on 2/18/2016. Court Reporter: Koretta Stanford (NBL) (Entered: 02/18/2016)	
133	02/19/2016	Minute Entry (JURY TRIAL DAY 4) Proceedings held before Judge Paul G. Byron on 2/19/2016. Court Reporter: Koretta	

#	Date	Proceeding Text	Source
		Stanford (NBL) (Entered: 02/19/2016)	
134	02/22/2016	Minute Entry (JURY TRIAL DAY 5) Proceedings held before Judge Paul G. Byron on 2/22/2016. Court Reporter: Koretta Stanford (NBL) (Entered: 02/23/2016)	
135	02/22/2016	ORAL MOTION for judgment as a matter of law by Calamp Corp. (NBL) (Entered: 02/23/2016)	
136	02/22/2016	ORAL ORDER denying for the reasons stated on the record 135 Defendant's Oral Motion for Judgment as a Matter of Law. Rendered in Open Court by Judge Paul G. Byron on 2/22/2016. (NBL) (Entered: 02/23/2016)	
137	02/23/2016	Minute Entry (JURY TRIAL DAY 6) Proceedings held before Judge Paul G. Byron on 2/23/2016. Court Reporter: Koretta Stanford (NBL) (Entered: 02/23/2016)	
138	02/23/2016	ORAL MOTION for judgment as a matter of law on the issues of Obviousness, Written Description and Infringement by Omega Patents, LLC. (NBL) (Entered: 02/23/2016)	
139	02/23/2016	ORAL ORDER re: 138 Plaintiff's Oral Motion for Judgment as a Matter of Law. For the reasons stated on the record, the Court WITHHOLDS as to the issue of Obviousness, GRANTS as to Written Description and DENIES as to Infringement. Rendered in Open Court by Judge Paul G. Byron on 2/23/2016. (NBL) Modified on 2/23/2016 (NBL). (Entered: 02/23/2016)	
140	02/23/2016	ORAL MOTION for judgment as a matter of law as to the issues of Obviousness, Willful Infringement and Notice Date by Calamp Corp. (NBL) (Entered: 02/23/2016)	
141	02/23/2016	ORAL ORDER denying for the reasons stated on the record 140 Defendant's Oral Motion for Judgment as a Matter of Law as to Obviousness, Willful Infringement and Notice Date. Rendered in Open Court by Judge Paul G. Byron on 2/23/2016. (NBL) (Entered: 02/23/2016)	
142	02/24/2016	Minute Entry(JURY TRIAL DAY 7) Proceedings held before Judge Paul G. Byron on 2/24/2016. Jury Verdict for the Plaintiff. Court Reporter: Koretta Stanford (NBL) (Entered: 02/24/2016)	
143	02/24/2016	COURT'S INSTRUCTIONS to the Jury (NBL) (Entered: 02/24/2016)	
144	02/24/2016	JURY VERDICT in favor of the Plaintiff.(NBL) (Entered: 02/24/2016)	
145	02/25/2016	PLAINTIFF and JOINT Exhibit List (Trial) by Omega Patents, LLC. (NBL) (Additional attachment(s) added on 8/3/2017: # 1 Exhibit Joint 1, # 2 Exhibit Joint 3, # 3 Exhibit Joint 4, # 4 Exhibit Joint 5, # 5 Exhibit Joint 6 Part 1, # 6 Exhibit Joint 6 Part 2, # 7 Exhibit Joint 6 Part 3, # 8 Exhibit Joint 6 Part 4, # 9 Exhibit Joint 6 Part 5, # 10 Exhibit Joint 6 Part 6, # 11 Exhibit Joint 6 Part 7, # 12 Exhibit Joint 8, # 13 Exhibit Joint 9, # 14 Exhibit Joint 10, # 15 Exhibit Joint 11, # 16 Exhibit Joint 12, # 17 Exhibit Joint 13, # 18 Exhibit Joint 14, # 19 Exhibit 1, # 20 Exhibit 2, # 21 Exhibit 3, # 22 Exhibit 4, # 23 Exhibit 5, # 24 Exhibit 6, # 25 Exhibit 8, # 26 Exhibit 9, # 27 Exhibit 10, # 28 Exhibit 11, # 29 Exhibit 12, # 30 Exhibit 14, # 31 Exhibit 15, # 32 Exhibit 16, # 33 Exhibit 17, # 34 Exhibit 18, # 35 Exhibit 19, # 36 Exhibit 20, # 37 Exhibit 21, # 38 Exhibit 22, # 39 Exhibit 23, # 40 Exhibit 38, # 41 Exhibit 39, # 42 Exhibit 45, # 43 Exhibit 47, # 44 Exhibit 48, # 45 Exhibit 49, # 46 Exhibit 59, # 47 Exhibit 60, # 48 Exhibit 62, # 49 Exhibit 63, # 50 Exhibit 64, # 51 Exhibit 65, # 52 Exhibit 66, # 53 Exhibit 67, # 54 Exhibit 68, # 55 Exhibit 69, # 56 Exhibit 70, # 57 Exhibit 71, # 58 Exhibit 72, # 59 Exhibit 73, # 60 Exhibit 74, # 61 Exhibit 75, # 62 Exhibit 76, # 63 Exhibit 77, # 64 Exhibit 78, # 65 Exhibit 79, # 66 Exhibit 80, # 67 Exhibit 81, # 68 Exhibit 82, # 69 Exhibit 83, # 70 Exhibit 84, # 71 Exhibit 85, # 72 Exhibit 86, # 73 Exhibit 88, # 74 Exhibit 90, # 75	

#	Date	Proceeding Text	Source
		Exhibit 92, # 76 Exhibit 93, # 77 Exhibit 96, # 78 Exhibit 97, # 79 Exhibit 98, # 80 Exhibit 99, # 81 Exhibit 100, # 82 Exhibit 101, # 83 Exhibit 102, # 84 Exhibit 103, # 85 Exhibit 104, # 86 Exhibit 105, # 87 Exhibit 106, # 88 Exhibit 141, # 89 Exhibit 154, # 90 Exhibit 156, # 91 Exhibit 159, # 92 Exhibit 160, # 93 Exhibit 161, # 94 Exhibit 162, # 95 Exhibit 163, # 96 Exhibit 164) (AKJ). (Entered: 02/25/2016)	
146	02/25/2016	DEFENDANT Exhibit List (Trial) by CalAmp Corp.(NBL) (Additional attachment(s) added on 8/3/2017: # 1 Exhibit 2, # 2 Exhibit 4, # 3 Exhibit 5, # 4 Exhibit 6, # 5 Exhibit 10, # 6 Exhibit 11, # 7 Exhibit 12, # 8 Exhibit 17, # 9 Exhibit 24, # 10 Exhibit 26, # 11 Exhibit 27, # 12 Exhibit 28, # 13 Exhibit 29, # 14 Exhibit 30, # 15 Exhibit 31, # 16 Exhibit 32, # 17 Exhibit 33, # 18 Exhibit 34, # 19 Exhibit 37, # 20 Exhibit 38 part 1, # 21 Exhibit 38 part 2, # 22 Exhibit 38 part 3, # 23 Exhibit 38 part 4, # 24 Exhibit 38 part 5, # 25 Exhibit 39, # 26 Exhibit 40, # 27 Exhibit 41, # 28 Exhibit 42, # 29 Exhibit 43, # 30 Exhibit 44, # 31 Exhibit 45, # 32 Exhibit 46, # 33 Exhibit 47 part 1, # 34 Exhibit 47 part 2, # 35 Exhibit 47 part 3, # 36 Exhibit 47 part 4, # 37 Exhibit 47 part 5, # 38 Exhibit 47 part 6, # 39 Exhibit 48, # 40 Exhibit 49, # 41 Exhibit 50, # 42 Exhibit 51, # 43 Exhibit 52, # 44 Exhibit 54, # 45 Exhibit 55, # 46 Exhibit 56, # 47 Errata 57, # 48 Exhibit 58, # 49 Exhibit 59, # 50 Exhibit 65, # 51 Exhibit 66, # 52 Exhibit 67, # 53 Exhibit 68, # 54 Exhibit 69, # 55 Exhibit 70, # 56 Exhibit 71, # 57 Exhibit 73, # 58 Exhibit 74, # 59 Exhibit 75, # 60 Exhibit 76, # 61 Exhibit 77, # 62 Exhibit 78, # 63 Exhibit 79, # 64 Exhibit 80, # 65 Exhibit 81) (AKJ). (Entered: 02/25/2016)	
147	02/25/2016	COURT'S EXHIBIT LIST (Trial)(NBL) (Additional attachment(s) added on 8/1/2017: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Exhibit 6, # 7 Exhibit 7, # 8 Exhibit 8, # 9 Exhibit 9, # 10 Exhibit 10, # 11 Exhibit 11, # 12 Exhibit 12, # 13 Exhibit 13, # 14 Exhibit 14, # 15 Exhibit 15) (AKJ). (Entered: 02/25/2016)	
148	03/09/2016	MOTION and Memorandum for Entry of Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment by Omega Patents, LLC. (Gilchrist, Brian) Text modified on 3/10/2016 (RDO). (Entered: 03/09/2016)	
149	03/09/2016	PROPOSED BILL OF COSTS by Omega Patents, LLC. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5)(Gilchrist, Brian) (Entered: 03/09/2016)	
150	03/14/2016	UNOPPOSED MOTION for Leave to File a Motion in Excess of Twenty-Five Pages by Calamp Corp.. (Kauth, Joel) Text modified on 3/15/2016 (RDO). (Entered: 03/14/2016)	
151	03/15/2016	ENDORSED ORDER granting in part 150 Motion for Leave to File Excess Pages. Defendant may file a post-trial motion with a page limit of 35 pages and Plaintiff may file a response with a page limit of 30 pages. Signed by Judge Paul G. Byron on 3/15/2016. (MMW) (Entered: 03/15/2016)	
152	03/16/2016	MOTION and Memorandum for miscellaneous relief, specifically to Award Prejudgment Interest by Omega Patents, LLC. (Attachments: # 1 Exhibit A)(Gilchrist, Brian) Text modified on 3/17/2016 (RDO). (Entered: 03/16/2016)	
153	03/18/2016	ENDORSED ORDER denying without prejudice for failure to comply with Local Rule 3.01(g) 152 Motion to Award Prejudgment Interest. Signed by Judge Paul G. Byron on 3/18/2016. (MMW) (Entered: 03/18/2016)	
154	03/18/2016	MOTION for miscellaneous relief, specifically Renewed Motion to Award Prejudgment Interest by Omega Patents, LLC.	

#	Date	Proceeding Text	Source
		(Attachments: # 1 Exhibit A)(Gilchrist, Brian) (Entered: 03/18/2016)	
155	03/22/2016	MOTION for Extension of Time to File and Enlargement of the Page Limitation for its Response to 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment by Calamp Corp.. (Kauth, Joel) Motions referred to Magistrate Judge David A. Baker. Text modified on 3/23/2016 (RDO). (Entered: 03/22/2016)	
156	03/24/2016	MOTION for Charles R. Halloran to withdraw as attorney by Calamp Corp.. (Halloran, Charles) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/24/2016)	
157	03/24/2016	MOTION for Eugene K. Chong to withdraw as attorney by Calamp Corp.. (Chong, Eugene) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/24/2016)	
158	03/25/2016	ENDORSED ORDER granting 156 Motion to Withdraw as Attorney Attorney Eugene Chong and Charles R. Halloran terminated; granting 157 Motion to Withdraw as Attorney. Signed by Magistrate Judge David A. Baker on 3/25/2016. (Baker, David) (Entered: 03/25/2016)	
159	03/25/2016	RESPONSE in Opposition re 155 MOTION for Extension of Time to File Response/Reply as to 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment filed by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 03/25/2016)	
160	03/28/2016	MOTION for Stephanie P. Koh to appear pro hac vice by Calamp Corp.. (Wozniak, Carrie) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/28/2016)	
161	03/28/2016	MOTION for Thomas D. Rein to appear pro hac vice by Calamp Corp.. (Wozniak, Carrie) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/28/2016)	
162	03/28/2016	MOTION for Constantine L. Trela, Jr. to appear pro hac vice by Calamp Corp.. (Wozniak, Carrie) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/28/2016)	
	03/28/2016	***PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Constantine L. Trela, appearing on behalf of Calamp Corp. (Filing fee $150 receipt number ORL052203.) Related document: 162 MOTION for Constantine L. Trela, Jr. to appear pro hac vice. (RDO) (Entered: 03/28/2016)	
	03/28/2016	***PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Thomas D. Rein, appearing on behalf of Calamp Corp. (Filing fee $150 receipt number ORL052202.) Related document: 161 MOTION for Thomas D. Rein to appear pro hac vice. (RDO) (Entered: 03/28/2016)	
	03/28/2016	***PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Stephanie P. Koh, appearing on behalf of Calamp Corp. (Filing fee $150 receipt number ORL052205.) Related document: 160 MOTION for Stephanie P. Koh to appear pro hac vice. (RDO) (Entered: 03/28/2016)	
163	03/28/2016	ENDORSED ORDER granting in part and denying in part 155 Defendant Calamp Corp.'s Motion for Extension of Time to File and Enlargement of the Page Limitation for its Response to Plaintiff's Motion for Entry of Judgment. Calamp shall file its response to Plaintiff's Motion and Memorandum for Entry of Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction on or before April 11, 2016. The response shall not exceed thirty (30) pages in length. Signed by Judge Paul G. Byron on 3/28/2016. (RML)	

#	Date	Proceeding Text	Source
		(Entered: 03/28/2016)	
	03/29/2016	Set/reset deadlines as to 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment . Responses due by 4/11/2016 (RDO) (Entered: 03/29/2016)	
164	03/30/2016	ENDORSED ORDER granting 160 motion to appear pro hac vice; granting 161 motion to appear pro hac vice; granting 162 motion to appear pro hac vice. Provided, all counsel shall register for and use the electronic filing system as adopted by the Court. After this Order, the Clerk will no longer send copies of docket entries by U.S. Mail to counsel in this case. Appearance and participation by more than one attorney at any hearing or trial is subject to the discretion of the presiding judge. Signed by Magistrate Judge David A. Baker on 3/30/2016. (Baker, David) (Entered: 03/30/2016)	
165	03/31/2016	MOTION for Bryan C. Mulder to appear pro hac vice by Calamp Corp.. (Wozniak, Carrie) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/31/2016)	
	03/31/2016	***PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Bryan C. Mulder, appearing on behalf of Calamp Corp. (Filing fee $150 receipt number ORL052334.) Related document: 165 MOTION for Bryan C. Mulder to appear pro hac vice. (RDO) (Entered: 03/31/2016)	
166	04/04/2016	RESPONSE in Opposition re 154 MOTION for miscellaneous relief, specifically Renewed Motion to Award Prejudgment Interest filed by Calamp Corp.. (Kauth, Joel) (Entered: 04/04/2016)	
167	04/05/2016	ENDORSED ORDER granting 165 motion to appear pro hac vice. Provided, all counsel shall register for and use the electronic filing system as adopted by the Court. After this Order, the Clerk will no longer send copies of docket entries by U.S. Mail to counsel in this case. Appearance and participation by more than one attorney at any hearing or trial is subject to the discretion of the presiding judge. Signed by Magistrate Judge David A. Baker on 4/5/2016. (Baker, David) (Entered: 04/05/2016)	
168	04/08/2016	MOTION to Review 149 Bill of Costs (filed as Response in Opposition/Objection) filed by Calamp Corp. (Kauth, Joel) Modified on 4/25/2016 (LMM). Motions referred to Magistrate Judge David A. Baker. (Entered: 04/08/2016)	
169	04/11/2016	RESPONSE in Opposition re 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment filed by Calamp Corp.. (Kauth, Joel) (Entered: 04/11/2016)	
170	04/11/2016	APPENDIX re 169 Response in Opposition to Motion by Calamp Corp.. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Exhibit 6, # 7 Exhibit 7, # 8 Exhibit 8, # 9 Exhibit 9, # 10 Exhibit 10, # 11 Exhibit 11, # 12 Exhibit 12, # 13 Exhibit 13, # 14 Exhibit 14, # 15 Exhibit 15, # 16 Exhibit 16, # 17 Exhibit 17, # 18 Exhibit 18, # 19 Exhibit 19, # 20 Exhibit 20, # 21 Exhibit 21, # 22 Exhibit 22, # 23 Exhibit 23, # 24 Exhibit 24)(Kauth, Joel) (Entered: 04/11/2016)	
171	04/11/2016	MOTION for miscellaneous relief, specifically Request for Hearing re 148 Motion for Entry of Final Judgment by Calamp Corp.. (Kauth, Joel) Modified on 4/12/2016 (RDO). (Entered: 04/11/2016)	
172	04/14/2016	ENDORSED ORDER granting 171 Defendant's Motion for Hearing Regarding Plaintiff's Motion for Entry of Final Judgment, Including Entitlement to Attorney's Fees, Enhanced Damages, and Entry of a Permanent Injunction. A separate Notice of Hearing will follow. Signed by Judge Paul G. Byron on 4/14/2016. (RML) (Entered: 04/14/2016)	

#	Date	Proceeding Text	Source
173	04/14/2016	NOTICE OF MOTION HEARING: re 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment. Motion Hearing is set for Tuesday, 4/26/2016 at 2:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. The Court has set aside (3) hours for this hearing. (NBL) copies e-mailed (Entered: 04/14/2016)	
174	04/18/2016	Unopposed MOTION for miscellaneous relief, specifically Reschedule Hearing (Currently Scheduled for April 26, 2016) by Omega Patents, LLC. (Santurri, Ryan) (Entered: 04/18/2016)	
175	04/19/2016	ENDORSED ORDER granting 174 Plaintiff's Unopposed Motion to Reschedule Hearing. A separate Notice of Hearing will follow. Signed by Judge Paul G. Byron on 4/19/2016. (RML) (Entered: 04/19/2016)	
176	04/19/2016	NOTICE RESCHEDULING MOTION HEARING re 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment. Motion Hearing is rescheduled for 5/2/2016 at 1:30 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. The Court has set aside (3) hours for this hearing. *(previously set for 4/26/16)(NBL) copies e-mailed (Entered: 04/19/2016)	
177	04/22/2016	RESPONSE in opposition to 168 Motion to Review Bill of Costs filed by Omega Patents, LLC. (Attachments: # 1 Exhibit A, # 2 Exhibit B)(Santurri, Ryan) Modified on 4/25/2016 (LMM). Modified on 4/25/2016 (LMM). (Entered: 04/22/2016)	
178	04/25/2016	TRANSCRIPT of Civil Jury Trial - Day 1 held on 2/16/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford, Telephone number 407-872-1715 or skoretta@bellsouth.net. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)	
179	04/25/2016	TRANSCRIPT of Civil Jury Trial - Day 2 held on 02/17/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford, Telephone number 407-872-1715. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)	
180	04/25/2016	TRANSCRIPT of Civil Jury Trial - Day 3 held on 02/18/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford,Telephone number 407-872-1715. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)	
181	04/25/2016	TRANSCRIPT of Civil Jury Trial - Day 4 held on 2/19/16 before	

#	Date	Proceeding Text	Source
		Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford,Telephone number 407-872-1715. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)	
182	04/25/2016	TRANSCRIPT of Civil Jury Trial - Day 5 held on 2/22/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford, Telephone number 407-872-1715. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)	
183	04/25/2016	TRANSCRIPT of Civil Jury Trial - Day 6 held on 2/23/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford,Telephone number 407-872-1715. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)	
184	04/25/2016	TRANSCRIPT of Civil Jury Trial - Day 7 held on 2/24/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford,Telephone number 407-872-1715. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)	
185	04/25/2016	NOTICE to counsel of filing of OFFICIAL TRANSCRIPT, Doc 178 through 184. The parties have seven (7) calendar days to file with the court a Notice of Intent to Request Redaction of this transcript. If no such Notice is filed, the transcript may be made remotely electronically available to the public without redaction after 90 calendar days. Any party needing a copy of the transcript to review for redaction purposes may purchase a copy from the court reporter or view the document at the clerk's office public terminal. Court Reporter: Koretta Stanford. (KS) (Entered: 04/25/2016)	
186	04/26/2016	ORDER denying without prejudice 168 Motion to review bill of costs. Signed by Magistrate Judge David A. Baker on 4/26/2016. (SWT) (Entered: 04/26/2016)	
187	04/28/2016	NOTICE by Omega Patents, LLC of Filing Declarations (Attachments: # 1 Exhibit Declaration of Robert Leale II, # 2 Exhibit Declaration of Thomas Malone)(Santurri, Ryan) (Entered: 04/28/2016)	
188	04/29/2016	NOTICE by Calamp Corp. re 187 Notice (Other) of Filing Responsive Declarations (Attachments: # 1 Exhibit Declaration of Wade Files, # 2 Exhibit Declaration of Wade Huber)(Kauth, Joel) (Entered: 04/29/2016)	

#	Date	Proceeding Text	Source
189	05/02/2016	Minute Entry (MOTION HEARING) Proceedings held before Judge Paul G. Byron on 5/2/2016 re 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment filed by Omega Patents, LLC. Written Order to issue.Court Reporter: Koretta Stanford (NBL) (Entered: 05/03/2016)	
190	05/12/2016	TRANSCRIPT of the final pretrial conference held on 1/20/16 before Judge Paul G. Byron. Court Reporter/Transcriber Diane Peede, FlaDiane@att.net, telephone number 407-615-0305. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter.. Redaction Request due 6/2/2016, Redacted Transcript Deadline set for 6/13/2016, Release of Transcript Restriction set for 8/10/2016. (DP) (Entered: 05/12/2016)	
191	05/12/2016	NOTICE to counsel of filing of OFFICIAL TRANSCRIPT (Doc. No. 190). The parties have seven (7) calendar days to file with the court a Notice of Intent to Request Redaction of this transcript. If no such Notice is filed, the transcript may be made remotely electronically available to the public without redaction after 90 calendar days. Any party needing a copy of the transcript to review for redaction purposes may purchase a copy from the court reporter or view the document at the clerk's office public terminal. Court Reporter: Diane Peede. (DP) (Entered: 05/12/2016)	
192	05/17/2016	NOTICE of supplemental authority re 169 Response in Opposition to 148 Motion for entry of Judgment by Calamp Corp.. (Attachments: # 1 Exhibit 1)(Kauth, Joel) Modified on 5/18/2016 (RDO). (Entered: 05/17/2016)	
193	06/06/2016	NOTICE of Grant of Reexamination of '885 Patent re 169 Response in Opposition to Motion by Calamp Corp.. (Attachments: # 1 Exhibit 1)(Kauth, Joel) Text modified on 6/7/2016 (RDO). (Entered: 06/06/2016)	
194	06/13/2016	NOTICE of supplemental authority re 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment by Omega Patents, LLC. (Attachments: # 1 Exhibit A)(Gilchrist, Brian) (Entered: 06/13/2016)	
195	06/14/2016	RESPONSE re 194 Notice of filing supplemental authority by Calamp Corp.. (Wozniak, Carrie) (Entered: 06/14/2016)	
196	06/22/2016	TRANSCRIPT of Motion Hearing held on 05/02/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford, Telephone number 407-872-1715 or skoretta@bellsouth.net. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 7/13/2016, Redacted Transcript Deadline set for 7/25/2016, Release of Transcript Restriction set for 9/20/2016. (KS) (Entered: 06/22/2016)	
197	06/22/2016	NOTICE to counsel of filing of OFFICIAL TRANSCRIPT, Doc. 196. The parties have seven (7) calendar days to file with the court a Notice of Intent to Request Redaction of this transcript. If no such Notice is filed, the transcript may be made remotely electronically available to the public without redaction after 90 calendar days. Any party needing a copy of the transcript to review for redaction purposes may purchase a copy from the court reporter or view the document at the clerk's office public terminal. Court Reporter: Koretta Stanford. (KS) (Entered: 06/22/2016)	

#	Date	Proceeding Text	Source
198	07/19/2016	RESPONSE re 192 Notice of filing supplemental authority filed by Omega Patents, LLC. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3)(Gilchrist, Brian) (Entered: 07/19/2016)	
199	07/22/2016	REPLY to 198 Response filed by Calamp Corp.. (Attachments: # 1 Exhibit 1, Beckert, # 2 Exhibit 2, Suman, # 3 Exhibit 3, J1850, # 4 Exhibit 4, J2178, # 5 Exhibit 5, 876 Claim Chart)(Mulder, Bryan) Text modified on 7/25/2016 (RDO). (Entered: 07/22/2016)	
200	08/30/2016	NOTICE of supplemental authority re 169 Response in Opposition to Motion by Calamp Corp.. (Wozniak, Carrie) (Entered: 08/30/2016)	
201	08/30/2016	NOTICE of supplemental authority re 169 Response in Opposition to Motion by Calamp Corp.. (Attachments: # 1 Exhibit 1)(Wozniak, Carrie) (Entered: 08/30/2016)	
202	09/19/2016	NOTICE of supplemental authority re 169 Response in Opposition to Motion for Entry of Final Judgment by Calamp Corp.. (Attachments: # 1 Exhibit 1)(Wozniak, Carrie) (Entered: 09/19/2016)	
203	10/03/2016	Case Reassigned to Magistrate Judge Daniel C. Irick. New case number: 6:13-cv-1950-ORL-40-DCI. Magistrate Judge David A. Baker no longer assigned to the case. (EJS) (Entered: 10/03/2016)	
204	10/21/2016	ENDORSED ORDER: The Court has taken the various notices of supplemental authority and related declarations and exhibits under advisement and is currently drafting its opinion. Prior to submitting any additional material relating to the post trial motions, the proponent SHALL seek leave of Court. Signed by Judge Paul G. Byron on 10/21/2016. (MMW) (Entered: 10/21/2016)	
205	03/20/2017	MOTION for miscellaneous relief, specifically Motion for Status Conference by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 03/20/2017)	
206	04/05/2017	ORDER granting in part and denying in part 148 Motion for Entry of Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction. The Motion is granted as to entry of final judgment, attorneys' fees, and enhanced damages. The Motion is denied as to the request for entry of a permanent injunction. Plaintiff's 154 Renewed Motion to Award Prejudgment Interest is also granted. Signed by Judge Paul G. Byron on 4/5/2017. (ALJ) (RDO). (Entered: 04/05/2017)	
207	04/05/2017	ENDORSED ORDER denying as moot 205 Motion for Status Conference by Omega Patents, LLC. The Motion is rendered moot by the Court's Order entered on April 5, 2017 206. Signed by Judge Paul G. Byron on 4/5/2017. (ALJ) (Entered: 04/05/2017)	
208	04/19/2017	NOTICE by Omega Patents, LLC of Firm Name Change (Gilchrist, Brian) (Entered: 04/19/2017)	
209	04/19/2017	STIPULATION Regarding Attorneys' Fees and Costs by both parties. (Gilchrist, Brian) Modified on 4/20/2017 (RDO). (Entered: 04/19/2017)	
210	04/19/2017	STIPULATION for Entry of Proposed Final Judgment by both parties. (Attachments: # 1 Text of Proposed Order)(Gilchrist, Brian) Modified on 4/20/2017 (RDO). (Entered: 04/19/2017)	
211	04/24/2017	FINAL JUDGMENT. Signed by Judge Paul G. Byron on 4/24/2017. (ALJ) (Entered: 04/24/2017)	
212	04/24/2017	ENDORSED ORDER directing the Clerk of Court to close the file. Signed by Judge Paul G. Byron on 4/24/2017. (ALJ) (Entered: 04/24/2017)	
213	04/25/2017	Patent Report sent to Alexandria, VA. (Attachments: # 1 Judgment, # 2 Complaint) (RDO) (Entered: 04/25/2017)	
214	05/08/2017	MOTION to Stay Execution of 211 Judgment pending post-trial	

#	Date	Proceeding Text	Source
		motions and for approval of supersedeas bond by Calamp Corp.. (Attachments: # 1 Exhibit A, # 2 Exhibit B)(Wozniak, Carrie) Modified on 5/9/2017 (RDO). (Entered: 05/08/2017)	
215	05/12/2017	RESPONSE in Opposition re 214 MOTION to Stay Execution of 211 Judgment pending post-trial motions and for approval of supersedeas bond filed by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 05/12/2017)	
216	05/22/2017	RENEWED MOTION for judgment as a matter of law , MOTION for New Trial by Calamp Corp.. (Attachments: # 1 Exhibit 1, JE1 - US Patent No 6,346,876, # 2 Exhibit 2, JE3 - US Patent No 6,756,885, # 3 Exhibit 3, PTX104 (excerpts), # 4 Exhibit 4, JE5 - US Patent No ***8,032,278***, # 5 Exhibit 5, JE4 - US Patent No 7,671,727, # 6 Exhibit 6, 8-18-14 Hergesheimer Tr (excerpts), # 7 Exhibit 7, Eiberger Tr (excerpts), # 8 Exhibit 8, PTX161, # 9 Exhibit 9, 4-22-15 Hergesheimer Tr (excerpts), # 10 Exhibit 10, 885 reexam office action, # 11 Exhibit 11, PTX38, # 12 Exhibit 12, PTX47, # 13 Exhibit 13, PTX14, # 14 Exhibit 14, CalAmp 2016 10K (excerpts), # 15 Exhibit 15, DTX73 (excerpts), # 16 Exhibit 16, DTX74 (excerpts), # 17 Exhibit 17, DTX75 (excerpts), # 18 Exhibit 18, 278 reexam office action, # 19 Exhibit 19, 727 reexam office action, # 20 Exhibit 20, 876 reexam office action, # 21 Exhibit 21, 727 reexam 5-13-17 response, # 22 Exhibit 22, Chen Tr (excerpts), # 23 Exhibit 23 - McDuff Report (excerpts))(Mulder, Bryan) Modified on 5/23/2017 (RDO). (Entered: 05/22/2017)	
217	05/23/2017	CERTIFICATE of compliance with Rule 3.01(g) re 216 MOTION for judgment as a matter of law MOTION for New Trial by Calamp Corp.. (Wozniak, Carrie) Modified on 5/24/2017 (RDO). (Entered: 05/23/2017)	
218	05/23/2017	STIPULATION Regarding Supplemental and On-going Royalties by both parties. (Attachments: # 1 Text of Proposed Order)(Gilchrist, Brian) Modified on 5/24/2017 (RDO). (Entered: 05/23/2017)	
219	05/31/2017	Unopposed MOTION for Extension of Time until 7/5/2017 to File Response/Reply as to 216 MOTION for judgment as a matter of law MOTION for New Trial by Omega Patents, LLC. (Gilchrist, Brian) Motions referred to Magistrate Judge Daniel C. Irick. Text modified on 6/1/2017 (RDO). (Entered: 05/31/2017)	
220	06/01/2017	ENDORSED ORDER granting 219 Unopposed Motion for Extension of Time to Respond to Defendant's Renewed Motion for Judgment as a Matter of Law and for New Trial. Plaintiff's response shall be due on or before July 5, 2017. Additional extensions should not be sought absent extraordinary good cause. Signed by Magistrate Judge Daniel C. Irick on 6/1/2017. (Irick, Daniel) (Entered: 06/01/2017)	
221	06/01/2017	STIPULATION to Stay Execution of 211 Final Judgment Secured by Supersedeas Bond by both parties. (Attachments: # 1 Exhibit, # 2 Text of Proposed Order)(Kauth, Joel) Modified on 6/2/2017 (RDO). (Entered: 06/01/2017)	
	06/02/2017	Set/reset deadlines as to 216 MOTION for judgment as a matter of law MOTION for New Trial . Responses due by 7/5/2017 (RDO) (Entered: 06/02/2017)	
222	06/02/2017	MOTION to Vacate 211 Final Judgment and Dismiss the Case for Lack of Venue by Calamp Corp.. (Attachments: # 1 Declaration of Garo Sarkissian)(Mulder, Bryan) Text modified on 6/5/2017 (RDO). (Entered: 06/02/2017)	
223	06/02/2017	ORDER re 221 Stipulation filed by Calamp Corp. The execution of the Final Judgment, and any Amended Judgment, and any proceedings to enforce either, are hereby STAYED pending disposition of post-trial motions, and any subsequent appeal.	

#	Date	Proceeding Text	Source
		CalAmp SHALL post a supersedeas bond in the amount of $17,000,000.00 within 21 days of this order. The terms of the Stipulation to Stay Execution of Judgment (Doc. 221) are INCORPORATED and made part of this order. Hartford Fire Insurance Company is approved as the surety for such bond. CalAmp's currently pending Motion for Stay (Doc. 214) is DENIED AS MOOT. Signed by Judge Paul G. Byron on 6/2/2017. (MMW) (Entered: 06/02/2017)	
224	06/12/2017	NOTICE of Filing Supersedeas Bond by Calamp Corp. re 223 Order (Attachments: # 1 Exhibit A)(Wozniak, Carrie) Text modified on 6/13/2017 (RDO). (Entered: 06/12/2017)	
225	06/16/2017	RESPONSE in Opposition re 222 MOTION to Vacate 211 Final Judgment and Dismiss the Case for Lack of Venue filed by Omega Patents, LLC. (Santurri, Ryan) (Entered: 06/16/2017)	
226	07/05/2017	RESPONSE in Opposition re 216 MOTION for judgment as a matter of law MOTION for New Trial filed by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 07/05/2017)	
227	07/19/2017	AMENDED FINAL JUDGMENT. Signed by Judge Paul G. Byron on 7/19/2017. (MMW) Text modified on 7/20/2017 (RDO). (Entered: 07/19/2017)	
228	07/26/2017	Supplemental MOTION for judgment as a matter of law , for a new trial, and to vacate the judgment by Calamp Corp.. (Mulder, Bryan) (Entered: 07/26/2017)	
229	08/01/2017	RESPONSE in Opposition re 228 Supplemental MOTION for judgment as a matter of law , for a new trial, and to vacate the judgment filed by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 08/01/2017)	
230	09/22/2017	ORDER denying 222 Motion to Vacate the Judgment and Dismiss for Lack of Venue. Signed by Judge Paul G. Byron on 9/22/2017. (ALJ) (Entered: 09/22/2017)	
231	11/14/2017	ORDER denying 216 CalAmp's Renewed Motion for Judgment as a Matter of Law and for a New Trial; denying 228 CalAmp's Supplemental Renewed Motion for Judgment as a Matter of Law, for a New Trial, and to Vacate the Judgment. Signed by Judge Paul G. Byron on 11/14/2017. (JRJ) (Entered: 11/14/2017)	
232	12/11/2017	NOTICE OF APPEAL as to 227 Order, 211 Order, 206 Order on motion for judgment Order on Motion for Miscellaneous Relief, 230 Order on Motion to Vacate, 50 Order, 118 Order on motion for summary judgment, 125 Order on Motion in Limine, 117 Order on Motion for Miscellaneous Relief, 122 Order on Motion in Limine, 231 Order on Motion for Judgment as a Matter of Law Order on Motion for New Trial by Calamp Corp. Filing fee not paid. (Mulder, Bryan) (Entered: 12/11/2017)	
233	12/12/2017	TRANSMITTAL of initial appeal package to USCA for the Federal Circuit by email to appeal@cafc.uscourts.gov consisting of copies of notice of appeal, docket sheet, order/judgment being appealed, and motion, if applicable to USCA re 232 Notice of appeal. Transcript information form forwarded to pro se litigants and available to counsel at www.flmd.uscourts.gov under Forms and Publications/General. (JEV) (Entered: 12/12/2017)	
	12/14/2017	USCA appeal fees received $ 505 receipt number Orl-069431 re 232 Notice of appeal filed by Calamp Corp. (JEV) (Entered: 12/14/2017)	
	12/14/2017	TRANSMITTAL to USCA for the Federal Circuit by email to appeal@cafc.uscourts.gov forwarding notification of fee payment received re 232 Notice of appeal. (JEV) (Entered: 12/14/2017)	
234	12/21/2017	TRANSCRIPT information form filed by Calamp Corp. for proceedings held on 11/24/14 before Judge Paul G. Byron re 232 Notice of appeal. USCA number: 18-1309. (Wozniak, Carrie)	

#	Date	Proceeding Text	Source
		(Entered: 12/21/2017)	
235	01/05/2018	COURT REPORTER ACKNOWLEDGMENT by Koretta Stanford re 232 Notice of appeal Estimated transcript filing date: 02/05/18. USCA number: 18-1309. (KS) (Entered: 01/05/2018)	
236	02/12/2018	TRANSCRIPT of Claims Construction Hearing held on 11/24/14 before Judge Paul G. Byron re 232 Notice of appeal. Court Reporter/Transcriber Koretta Stanford, Telephone number stanarm2014@gmail.com. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date, it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 3/5/2018, Redacted Transcript Deadline set for 3/15/2018, Release of Transcript Restriction set for 5/14/2018. (KS) (Entered: 02/12/2018)	
237	02/12/2018	NOTICE to counsel of filing of OFFICIAL TRANSCRIPT, Doc. 236. The parties have seven (7) calendar days to file with the court a Notice of Intent to Request Redaction of this transcript. If no such Notice is filed, the transcript may be made remotely electronically available to the public without redaction after 90 calendar days. Any party needing a copy of the transcript to review for redaction purposes may purchase a copy from the court reporter or view the document at the clerk's office public terminal. Court Reporter: Koretta Stanford. (KS) (Entered: 02/12/2018)	
238	02/12/2018	NOTIFICATION that transcript has been filed by Koretta Stanford re: 232 Notice of appeal. USCA number: 18-1309. (KS) (Entered: 02/12/2018)	
239	04/08/2019	OPINION of USCA as to 232 Notice of appeal filed by Calamp Corp. EOD: 04/08/19; Mandate to issue at a later date. USCA number: 18-1309. AFFIRMED-IN-PART, REVERSED-IN-PART,VACATED-IN-PART, and REMANDED. (JP) (Entered: 04/08/2019)	
240	04/08/2019	JUDGMENT from USCA for the Federal Circuit as to 232 Notice of appeal filed by Calamp Corp. USCA number: 18-1309. AFFIRMED-IN-PART, REVERSED-IN-PART, VACATED-IN-PART, and REMANDED. (JP) (Entered: 04/08/2019)	
241	04/08/2019	NOTICE of hearing: Status Conference set for 4/19/2019 at 10:00 AM in Orlando Courtroom 4B before Judge Paul G. Byron. At least one attorney for each side is required to be present. Counsel shall be prepared to discuss scheduling with the Court.(GNB) copies e-mailed (Entered: 04/08/2019)	
242	04/12/2019	NOTICE of Additional Appearance by David Storrs Wood on behalf of Calamp Corp. (Wood, David) (Entered: 04/12/2019)	
243	04/19/2019	NOTICE to the parties regarding exhibit disposal. The parties are notified that they have thirty (30) days in which to contact the Courtroom Deputy Clerk to arrange for the removal of the exhibits from the custody of the Clerk's Office, or the exhibits will be disposed of, or destroyed, pursuant to Local Rule 5.04. (GNB) copies e-mailed (GNB). (Entered: 04/19/2019)	
244	04/19/2019	Minute Entry. Proceedings held before Judge Paul G. Byron: STATUS CONFERENCE held on 4/19/2019. Court Reporter: Koretta Stanford (GNB) (Entered: 04/19/2019)	
245	04/23/2019	Unopposed MOTION for Leif E. Peterson II to appear pro hac vice by Calamp Corp.. (Attachments: # 1 Exhibit Special Admission Attorney Certification)(Wood, David) Motions referred to Magistrate Judge Daniel C. Irick. (Entered: 04/23/2019)	
246	04/23/2019	NOTICE of Plaintiff Exhibit Return re 243 Notice. Plaintiff's exhibits returned on 4/19/2019. (GNB) copies e-mailed (Entered: 04/23/2019)	

#	Date	Proceeding Text	Source
247	04/23/2019	NOTICE of Defendant Exhibit Return re 243 Notice. Defendant's exhibits returned on 4/19/2019. (GNB) copies e-mailed (Entered: 04/23/2019)	
248	04/23/2019	CLERK'S certificate of destruction of COURT exhibits and/or exhibit substitutes. All Court exhibits have been made available electronically. (GNB) copies e-mailed (Entered: 04/23/2019)	
249	04/23/2019	ORDER granting 245 motion for Leif E. Peterson II, Esq.to appear pro hac vice. Counsel shall register for and use the electronic filing system as adopted by the Court. After this Order, the Clerk will no longer send copies of docket entries by U.S. Mail to counsel in this case. Signed by Magistrate Judge Daniel C. Irick on 4/23/2019. (DMA) (Entered: 04/23/2019)	
	04/24/2019	***PRO HAC VICE FEES paid by attorney Leif E. Peterson, II, appearing on behalf of Calamp Corp. (Filing fee $150 receipt number ORL082229.) Related document: 245 Unopposed MOTION for Leif E. Peterson II to appear pro hac vice. (JP) (Entered: 04/24/2019)	
250	04/26/2019	NOTICE by Omega Patents, LLC re 244 Status Conference -- Notice Regarding Issues on Remand (Santurri, Ryan) (Entered: 04/26/2019)	
251	05/01/2019	MOTION for Reconsideration and/or Clarification as to Certain Oral Statements Made at Status Conference Conducted on April 19, 2019 by Calamp Corp.. (Wood, David) (Entered: 05/01/2019)	
252	05/01/2019	MOTION for clarification re 117 Order on Motion for Miscellaneous Relief by Calamp Corp.. (Wood, David) (Entered: 05/01/2019)	
253	05/02/2019	TRANSCRIPT of Status Conference held on 04/19/19 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford, stanarm2014@gmail.com. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/23/2019; Redacted Transcript Deadline set for 6/3/2019; Release of Transcript Restriction set for 7/31/2019. (KS) (Entered: 05/02/2019)	
254	05/02/2019	NOTICE to counsel of filing of OFFICIAL TRANSCRIPT, Doc. 253. The parties have seven (7) calendar days to file with the court a Notice of Intent to Request Redaction of this transcript. If no such Notice is filed, the transcript may be made remotely electronically available to the public without redaction after 90 calendar days. Any party needing a copy of the transcript to review for redaction purposes may purchase a copy from the court reporter or view the document at the clerk's office public terminal. Court Reporter: Koretta Stanford. (KS) (Entered: 05/02/2019)	
255	05/03/2019	NOTICE by Omega Patents, LLC re 244 Status Conference - Notice of Filing Jury Instructions and Verdict Forms (Attachments: # 1 Exhibit A - Omega's Proposed Jury Instructions, # 2 Exhibit B - Calamp's Proposed Jury Instructions, # 3 Exhibit C - Omega's Proposed Verdict Form, # 4 Exhibit D - Calamp's Proposed Verdict Form)(Santurri, Ryan) (Entered: 05/03/2019)	
256	05/08/2019	NOTICE by Omega Patents, LLC of Filing Petition With the Federal Circuit (Attachments: # 1 Exhibit A - Combined Petition for Rehearing and Rehearing En Banc, # 2 Exhibit B - Federal Circuit Invitation on Response to Petition)(Santurri, Ryan) (Entered: 05/08/2019)	
257	05/13/2019	ENDORSED ORDER re 256 Notice of Filing Petition With the Federal Circuit filed by Omega Patents, LLC. The Clerk of Court is DIRECTED to terminate all pending motions and close the file. Signed by Judge Paul G. Byron on 5/13/2019. (GNB) copies e-	

#	Date	Proceeding Text	Source
		mailed (Entered: 05/13/2019)	
258	05/20/2019	MOTION for Joel A. Kauth to withdraw as attorney by Calamp Corp.. (Kauth, Joel) Motions referred to Magistrate Judge Daniel C. Irick. (Entered: 05/20/2019)	
259	05/21/2019	ENDORSED ORDER granting 258 Unopposed Motion to Withdraw. Attorney Joel A. Kauth terminated. Signed by Magistrate Judge Daniel C. Irick on 5/21/2019. (Irick, Daniel) (Entered: 05/21/2019)	
260	06/24/2019	NOTICE by Omega Patents, LLC of Filing Order From the Federal Circuit and Request for Scheduling Consideration (Gilchrist, Brian) (Entered: 06/24/2019)	
261	06/24/2019	NOTICE by Calamp Corp. of Order from The Federal Circuit and Request for Scheduling Considerations (Peterson, Leif) (Entered: 06/24/2019)	
262	06/24/2019	ORDER of USCA as to 232 Notice of appeal filed by Calamp Corp.. EOD: 06/24/19; USCA number: 18-1309. (JP) (Entered: 06/25/2019)	
263	06/25/2019	ENDORSED ORDER re 262 Order of the United States Court of Appeals for the Federal Circuit denying Appellee's petitions for panel rehearing and rehearing en banc. This matter is due to be reopened. The Clerk is DIRECTED to reopen the file for further proceedings. Signed by Judge Paul G. Byron on 6/25/2019. (MMW) Modified on 6/25/2019 (RDO). (Entered: 06/25/2019)	
264	06/25/2019	NOTICE of Hearing: Status Conference set for 7/16/2019 at 3:30 PM in Orlando Courtroom 4B before Judge Paul G. Byron. The Court has set aside one (1) hour for this hearing.(GNB) copies e-mailed (Entered: 06/25/2019)	
265	07/01/2019	MANDATE of USCA as to 232 Notice of appeal filed by Calamp Corp. Issued as Mandate: 07/01/19 USCA number: 18-1309. AFFIRMED-IN-PART, REVERSED-IN-PART,VACATED-IN-PART, and REMANDED. (JP) (Entered: 07/01/2019)	
266	07/01/2019	MOTION for clarification re 117 Order on Motion for Miscellaneous Relief by Calamp Corp.. (Peterson, Leif) (Entered: 07/01/2019)	
267	07/01/2019	MOTION for Reconsideration And/Or Clarification by Calamp Corp.. (Peterson, Leif) (Entered: 07/01/2019)	
268	07/01/2019	MOTION for leave to file Motions In Limine by Calamp Corp.. (Peterson, Leif) (Entered: 07/01/2019)	
269	07/08/2019	CERTIFICATE under Local Rule 3.01(g) re 268 MOTION for leave to file Motions In Limine by Calamp Corp.. (Peterson, Leif) Modified on 7/9/2019 (RDO). (Entered: 07/08/2019)	
270	07/10/2019	NOTICE of Filing Updated Jury Instructions by Calamp Corp. (Peterson, Leif) Modified on 7/11/2019 (RDO). (Entered: 07/10/2019)	
271	07/12/2019	RESPONSE to Motion re 266 MOTION for clarification re 117 Order on Motion for Miscellaneous Relief filed by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 07/12/2019)	
272	07/12/2019	RESPONSE to Motion re 267 MOTION for Reconsideration And/Or Clarification filed by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 07/12/2019)	
273	07/12/2019	RESPONSE to Motion re 268 MOTION for leave to file Motions In Limine filed by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 07/12/2019)	
274	07/16/2019	Minute Entry. Proceedings held before Judge Paul G. Byron: STATUS CONFERENCE held on 7/16/2019. Court Reporter: Koretta Stanford (GNB) (Entered: 07/17/2019)	
275	07/16/2019	ORAL ORDER denying 266 Motion for clarification; denying 267 Motion for Reconsideration; denying 268 Motion for Leave to File for the reasons stated on the record. Rendered in Open Court by	

#	Date	Proceeding Text	Source
		Judge Paul G. Byron on 7/16/2019. (GNB) (Entered: 07/17/2019)	
276	07/16/2019	NOTICE of Hearing: Jury Trial set for 9/23/2019 at 9:00 AM in Orlando Courtroom 4B before Judge Paul G. Byron. The Court has set aside four (4) days for this trial. (GNB) copies e-mailed (Entered: 07/17/2019)	
277	07/24/2019	TRANSCRIPT of Status Conference held on 07/16/19 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford, stanarm2014@gmail.com. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 8/14/2019; Redacted Transcript Deadline set for 8/26/2019; Release of Transcript Restriction set for 10/22/2019. (KS) (Entered: 07/24/2019)	
278	07/24/2019	NOTICE to counsel of filing of OFFICIAL TRANSCRIPT, Doc. 277. The parties have seven (7) calendar days to file with the court a Notice of Intent to Request Redaction of this transcript. If no such Notice is filed, the transcript may be made remotely electronically available to the public without redaction after 90 calendar days. Any party needing a copy of the transcript to review for redaction purposes may purchase a copy from the court reporter or view the document at the clerk's office public terminal. Court Reporter: Koretta Stanford. (KS) (Entered: 07/24/2019)	
279	07/31/2019	NOTICE by Omega Patents, LLC re 274 Status Conference - Notice Regarding Claim Construction (Santurri, Ryan) (Entered: 07/31/2019)	
280	07/31/2019	NOTICE by Omega Patents, LLC Regarding Proposed Joint Stipulations (Attachments: # 1 Exhibit A - Plaintiff's Proposal, # 2 Exhibit B - Defendant's Proposal)(Santurri, Ryan) (Entered: 07/31/2019)	
281	08/12/2019	NOTICE by Omega Patents, LLC re 274 Status Conference Regarding Proposed Jury Instructions and Verdict Form (Attachments: # 1 Exhibit A - Proposed Jury Instructions w/Parties' Positions, # 2 Exhibit B - Omega's Proposed Verdict Form, # 3 Exhibit C - Calamp's Proposed Verdict Form, # 4 Exhibit D - Revised Interim Instruction on Willfulness with Parties' Positions)(Santurri, Ryan) (Entered: 08/12/2019)	
282	08/14/2019	ORDER directing supplemental briefing as to Defendant CalAmp Corp. See Order for details. Signed by Judge Paul G. Byron on 8/14/2019. (SCM) (Entered: 08/14/2019)	
283	08/23/2019	NOTICE of Hearing: Charge Conference set for 9/19/2019 at 10:00 AM in Orlando Courtroom 4B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd, Orlando, Florida. The Court has set aside three (3) hours for this hearing.(GNB) copies e-mailed (Entered: 08/23/2019)	
284	08/23/2019	CIVIL PRETRIAL ORDER. Signed by Judge Paul G. Byron on 8/23/2019. (SCM) (Entered: 08/23/2019)	
285	08/28/2019	STATUS report/Statement regarding Chen and Bailey Anticipated Testimony re 282 Order by Calamp Corp.. (Peterson, Leif) Modified on 8/29/2019 (RDO). (Entered: 08/28/2019)	
286	09/16/2019	Witness List by Calamp Corp.. (Peterson, Leif) (Entered: 09/16/2019)	
287	09/16/2019	Exhibit List by Calamp Corp.. (Peterson, Leif) (Entered: 09/16/2019)	
288	09/16/2019	Exhibit List by Omega Patents, LLC. (Santurri, Ryan) (Entered: 09/16/2019)	
289	09/16/2019	Witness List by Omega Patents, LLC. (Santurri, Ryan) (Entered:	

#	Date	Proceeding Text	Source
		09/16/2019)	
290	09/18/2019	Proposed Voir Dire by Calamp Corp.. (Peterson, Leif) (Entered: 09/18/2019)	
291	09/19/2019	Exhibit List (Joint) by Omega Patents, LLC. (Santurri, Ryan) (Entered: 09/19/2019)	
292	09/19/2019	Exhibit List (Plaintiff's) by Omega Patents, LLC. (Santurri, Ryan) (Entered: 09/19/2019)	
293	09/19/2019	Minute Entry. Proceedings held before Judge Paul G. Byron: Charge Conference held on 9/19/2019. Court Reporter: Koretta Stanford (GNB) copies e-mailed (Entered: 09/19/2019)	
294	09/19/2019	NOTICE by Calamp Corp. of Supplemental Authority Regarding Jury Instruction on Willfulness (Mulder, Bryan) (Entered: 09/19/2019)	
295	09/20/2019	NOTICE by Calamp Corp. of Proposed Stipulation (Attachments: # 1 Exhibit A, Proposed Stipulation)(Mulder, Bryan) (Entered: 09/20/2019)	
296	09/23/2019	Minute Entry. Proceedings held before Judge Paul G. Byron: JURY TRIAL (Day 1) held on 9/23/2019. Court Reporter: Koretta Stanford (GNB) copies e-mailed (Entered: 09/24/2019)	
297	09/24/2019	NOTICE of Filing Deposition Designations by Omega Patents, LLC (Attachments: # 1 Exhibit Gallin Chen 4/21/2015 Depo Designations, # 2 Exhibit Jeffrey L. Eigberger 3/12/2015 Depo Designations, # 3 Exhibit Pete Hergesheimer 8/18/2014 Depo Designations, # 4 Exhibit Peter Hergesheimer 4/22/2015 Depo Designations, # 5 Exhibit Stephen Hall 3/11/2015 Depo Designations)(Santurri, Ryan) Modified on 9/25/2019 (RDO). (Entered: 09/24/2019)	
298	09/24/2019	NOTICE of Filing Corrected Deposition Designation by Omega Patents, LLC . (Attachments: # 1 Exhibit - Corrected Pete Hergesheimer 8/18/2014 Depo Designation)(Santurri, Ryan) Modified on 9/25/2019 (RDO). (Entered: 09/24/2019)	
299	09/24/2019	Minute Entry. Proceedings held before Judge Paul G. Byron: JURY TRIAL (Day 2) held on 9/24/2019. Court Reporter: Koretta Stanford (GNB) copies e-mailed (Entered: 09/24/2019)	
300	09/25/2019	Minute Entry. Proceedings held before Judge Paul G. Byron: JURY TRIAL (Day 3) held on 9/25/2019. Court Reporter: Koretta Stanford (GNB) (Entered: 09/26/2019)	
301	09/26/2019	Supplement to 303 ORAL MOTION for Judgment as a Matter of Law by Calamp Corp. (Peterson, Leif) Modified on 9/27/2019 (GNB). (Entered: 09/26/2019)	
302	09/26/2019	Minute Entry. Proceedings held before Judge Paul G. Byron: JURY TRIAL (Day 4) held on 9/26/2019. Court Reporter: Koretta Stanford (GNB) (Entered: 09/27/2019)	
303	09/26/2019	ORAL MOTION for Judgment as a Matter of law by Calamp Corp for the reasons stated on the record. (GNB) (Entered: 09/27/2019)	
304	09/26/2019	ORAL ORDER denying 303 Motion for Judgment as a Matter of Law for the reasons stated on the record. Rendered in Open Court by Judge Paul G. Byron on 9/26/2019. (GNB) (Entered: 09/27/2019)	
305	09/27/2019	Minute Entry. Proceedings held before Judge Paul G. Byron: JURY TRIAL (Day 5) held on 9/27/2019. Court Reporter: Koretta Stanford (GNB) (Entered: 09/27/2019)	
306	09/27/2019	RENEWED ORAL MOTION for Judgment as a Matter of Law for the reasons stated on the record by Calamp Corp. (GNB) (Entered: 09/27/2019)	
307	09/27/2019	ORAL ORDER denying 306 Motion for Judgment as a Matter of Law for the reasons stated on the record. Rendered in Open Court by Judge Paul G. Byron on 9/27/2019. (GNB) (Entered:	

#	Date	Proceeding Text	Source
		09/27/2019)	
308	09/30/2019	Minute Entry. Proceedings held before Judge Paul G. Byron: JURY TRIAL (Day 6) completed on 9/30/2019. Court Reporter: Koretta Stanford (GNB) (Entered: 10/01/2019)	
309	09/30/2019	Jury Instructions. (GNB) (Entered: 10/01/2019)	
310	09/30/2019	JURY VERDICT. (GNB) (Entered: 10/01/2019)	
311	09/30/2019	Joint Exhibit List (Trial) by Omega Patents, LLC and Calamp Corp. (GNB) (Additional attachment(s) added on 10/1/2019: # 1 Exhibit 1, # 2 Exhibit 3, # 3 Exhibit 4, # 4 Exhibit 5, # 5 Exhibit 6 Part 1, # 6 Exhibit 6 Part 2, # 7 Exhibit 6 Part 3, # 8 Exhibit 6 Part 4, # 9 Exhibit 6 Part 5, # 10 Exhibit 6 Part 6, # 11 Exhibit 8, # 12 Exhibit 9, # 13 Exhibit 10, # 14 Exhibit 11, # 15 Exhibit 12, # 16 Exhibit 13, # 17 Exhibit 14) (GNB). (Entered: 10/01/2019)	
312	09/30/2019	Plaintiff's Exhibit List (Trial) by Omega Patents, LLC. (GNB) (Additional attachment(s) added on 10/1/2019: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Exhibit 6 Part 1, # 7 Exhibit 6 Part 2, # 8 Exhibit 8, # 9 Exhibit 9, # 10 Exhibit 10, # 11 Exhibit 11, # 12 Exhibit 12 Part 1, # 13 Exhibit 12 Part 2, # 14 Exhibit 14, # 15 Exhibit 15, # 16 Exhibit 16, # 17 Exhibit 18, # 18 Exhibit 19, # 19 Exhibit 20, # 20 Exhibit 21, # 21 Exhibit 22, # 22 Exhibit 23, # 23 Exhibit 38, # 24 Exhibit 39, # 25 Exhibit 40, # 29 Exhibit 45, # 31 Exhibit 47, # 32 Exhibit 48, # 33 Exhibit 49, # 34 Exhibit 59, # 35 Exhibit 60 Part 1, # 36 Exhibit 60 Part 2, # 37 Exhibit 60 Part 3, # 38 Exhibit 60 Part 4, # 39 Exhibit 60 Part 5, # 40 Exhibit 60 Part 6, # 41 Exhibit 64, # 42 Exhibit 67, # 43 Exhibit 68, # 44 Exhibit 69, # 45 Exhibit 71, # 46 Exhibit 81, # 47 Exhibit 82, # 48 Exhibit 83, # 49 Exhibit 84, # 50 Exhibit 85, # 51 Exhibit 86, # 52 Exhibit 92, # 53 Exhibit 93, # 54 Exhibit 96, # 55 Exhibit 97, # 56 Exhibit 99, # 57 Exhibit 100, # 58 Exhibit 102, # 59 Exhibit 103, # 60 Exhibit 104A, # 61 Exhibit 156, # 62 Exhibit 157, # 63 Exhibit 162) (GNB). (Entered: 10/01/2019)	
313	09/30/2019	Defendant's Exhibit List (Trial) by Calamp Corp. (GNB) (Additional attachment(s) added on 10/1/2019: # 1 Exhibit 12, # 2 Exhibit 17, # 3 Exhibit 18, # 4 Exhibit 22, # 5 Exhibit 54, # 6 Exhibit 54A) (GNB). (Entered: 10/01/2019)	
314	09/30/2019	Court's Exhibit List (Trial). (GNB) (Additional attachment(s) added on 10/1/2019: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Exhibit 6) (GNB). (Entered: 10/01/2019)	
315	09/30/2019	EXHIBIT CERTIFICATION by Omega Patents, LLC and Calamp Corp. (GNB) (Entered: 10/01/2019)	
316	10/29/2019	MOTION for Entry of Final judgment by Omega Patents, LLC. (Attachments: # 1 Exhibit A - Declaration)(Gilchrist, Brian) (Entered: 10/29/2019)	
317	10/29/2019	PROPOSED BILL OF COSTS by Omega Patents, LLC. (Attachments: # 1 Appendix, # 2 Exhibit 1, # 3 Exhibit 2, # 4 Exhibit 3, # 5 Exhibit 4, # 6 Exhibit 5)(Gilchrist, Brian) (Entered: 10/29/2019)	
318	11/08/2019	RESPONSE re 317 Bill of costs - proposed filed by Calamp Corp.. (Peterson, Leif) (Entered: 11/08/2019)	Events since last full update
319	11/12/2019	RESPONSE in Opposition re 316 MOTION for Entry of Final judgment filed by Calamp Corp.. (Peterson, Leif) (Entered: 11/12/2019)	Events since last full update

Patents

Number	Title	Issued	Class	Subclass
6,346,876	Multi-vehicle compatible control system generating	02/12/2002	340	426.13

Number	Title	Issued	Class	Subclass
	command signals on a data bus and associated methods			
6,737,989	Vehicle tracker including variable frequency transmission and related methods	05/18/2004	Er	undefined
6,756,885	Multi-vehicle compatible control system for reading from a data bus and associated methods	06/29/2004	340	426.1
7,671,727	Speed exceeded notification device for vehicle having a data bus and associated methods	03/02/2010	340	466
8,032,278	Vehicle tracking unit with downloadable codes and associated methods	10/04/2011	701	36

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End of Document

1:17cv2769, Omega Patents, Llc V. Enfora, Inc.

US District Court Docket

US District Court for the Northern District of Georgia

(Atlanta)

This case was retrieved on 08/20/2019

Header

Case Number: 1:17cv2769
Date Filed: 07/21/2017
Assigned To: Judge Thomas W. Thrash, Jr
Nature of Suit: Patent (830)
Cause: Patent Infringement
Lead Docket: None
Other Docket: None
Jurisdiction: Federal Question

Class Code: Closed
Closed: 01/31/2018
Statute: 28:1338
Jury Demand: Both
Demand Amount: $0
NOS Description: Patent

Litigants

Omega Patents, LLC
a Georgia limited liability company |
Plaintiff

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Proceedings

#	Date	Proceeding Text	Source
1	07/21/2017	COMPLAINT with Jury Demand, filed by Omega Patents, LLC.; and Summon(s) issued. (Filing fee $ 400.00 receipt number 113E-7279878.) (Attachments: # 1 Ex -A -Patent No. 6,346,876, # 2 Ex -B -Patent No. 6,756,885, # 3 Ex -C -Patent No. ***8,032,278***, # 4 Civil Cover Sheet)(eop) Please visit our website at http://www.gand.uscourts.gov/commonly-used-forms to obtain Pretrial Instructions which includes the Consent To Proceed Before U.S. Magistrate form. (Entered: 07/25/2017)	
2	07/21/2017	Electronic Summons Issued as to Enfora, Inc.. (eop) (Entered: 07/25/2017)	
3	07/21/2017	Certificate of Interested Persons by Omega Patents, LLC. (eop) (Entered: 07/25/2017)	
4	07/25/2017	AO Form 120 forwarded to Commissioner. (eop) (Entered: 07/25/2017)	
	07/26/2017	Clerks Notation re 3 Certificate of Interested Persons, OK per TWT. (ss) (Entered: 07/26/2017)	
5	07/26/2017	Return of Service Executed by Omega Patents, LLC. Enfora, Inc. served on 7/26/2017, answer due 8/16/2017. (Lee, Cynthia) (Entered: 07/26/2017)	
6	07/27/2017	APPLICATION for Admission of Ryan T. Santurri Pro Hac Vice (Application fee $ 150, receipt number 113E-7290404)by Omega Patents, LLC. (Lee, Cynthia) (Entered: 07/27/2017)	
7	07/27/2017	APPLICATION for Admission of Brian R. Gilchrist Pro Hac Vice	

#	Date	Proceeding Text	Source
		(Application fee $ 150, receipt number 113E-7291240)by Omega Patents, LLC. (Lee, Cynthia) (Entered: 07/27/2017)	
8	07/31/2017	Application for Refund of Fees paid online through Pay.gov for receipt number 113E-7290387. (Lee, Cynthia) (Entered: 07/31/2017)	
	08/01/2017	Clerks Approval re 8 Application for Refund of Fees paid online. (mec) (Entered: 08/01/2017)	
	08/04/2017	Refund in the amount of $150.00 has been processed, effective 08/04/2017 in response to Clerks Action on Application for Refund of Fees paid online. (kns) (Entered: 08/04/2017)	
9	08/15/2017	Consent MOTION for Extension of Time to File Answer by Enfora, Inc.. (Attachments: # 1 Text of Proposed Order)(Kurtz, Ryan) (Entered: 08/15/2017)	
10	08/16/2017	ORDER granting 9 Motion for Extension of Time to Answer, Enfora, Inc. Answer due 10/2/2017. Signed by Judge Thomas W. Thrash, Jr on 8/16/2017. (ss) (Entered: 08/16/2017)	
11	08/16/2017	APPLICATION for Admission of Jo Dale Carothers Pro Hac Vice (Application fee $ 150, receipt number 113E-7330621)by Enfora, Inc.. (Kurtz, Ryan) (Entered: 08/16/2017)	
12	08/16/2017	APPLICATION for Admission of Eric Anthony Caligiuri Pro Hac Vice (Application fee $ 150, receipt number 113E-7330631)by Enfora, Inc.. (Kurtz, Ryan) (Entered: 08/16/2017)	
	08/17/2017	APPROVAL by Clerks Office re: 6 APPLICATION for Admission of Ryan T. Santurri Pro Hac Vice (Application fee $ 150, receipt number 113E-7290404). Attorney Ryan T. Santurri added appearing on behalf of Omega Patents, LLC (pmb) (Entered: 08/17/2017)	
	08/17/2017	APPROVAL by Clerks Office re: 7 APPLICATION for Admission of Brian R. Gilchrist Pro Hac Vice (Application fee $ 150, receipt number 113E-7291240). Attorney Brian R. Gilchrist added appearing on behalf of Omega Patents, LLC (pmb) (Entered: 08/17/2017)	
13	08/18/2017	ORDER granting Brian R. Gilchrist's 7 Application for Admission Pro Hac Vice. Signed by Judge Thomas W. Thrash, Jr on 8/18/17. (jkl) (Entered: 08/18/2017)	
14	08/18/2017	ORDER granting Ryan T. Santurri's 6 Application for Admission Pro Hac Vice. Signed by Judge Thomas W. Thrash, Jr on 8/18/17. (jkl) (Entered: 08/18/2017)	
	08/31/2017	APPROVAL by Clerks Office re: 11 APPLICATION for Admission of Jo Dale Carothers Pro Hac Vice (Application fee $ 150, receipt number 113E-7330621). Attorney Jo Dale Carothers added appearing on behalf of Enfora, Inc. (pmb) (Entered: 08/31/2017)	
	08/31/2017	APPROVAL by Clerks Office re: 12 APPLICATION for Admission of Eric Anthony Caligiuri Pro Hac Vice (Application fee $ 150, receipt number 113E-7330631). Attorney Eric Anthony Caligiuri added appearing on behalf of Enfora, Inc. (pmb) (Entered: 08/31/2017)	
15	09/01/2017	ORDER granting Eric Anthony Caligiuri's 12 Application for Admission Pro Hac Vice. Signed by Judge Thomas W. Thrash, Jr on 9/1/17. (jkl) (Entered: 09/01/2017)	
16	09/01/2017	ORDER granting Jo Dale Carothers's 11 Application for Admission Pro Hac Vice. Signed by Judge Thomas W. Thrash, Jr on 9/1/17. (jkl) (Entered: 09/01/2017)	
	09/01/2017	Clerk's Certificate of Mailing to Eric Anthony Caligiuri re 15 Order on Application for Admission PHV and Jo Dale Carothers re 16 Order on Application for Admission PHV. (jkl) (Entered: 09/01/2017)	
17	10/02/2017	MOTION to Dismiss For Improper Venue, or in the Alternative,	

#	Date	Proceeding Text	Source
		MOTION to Transfer to Southern District of California with Brief In Support by Enfora, Inc. (Attachments: # 1 Brief)(Kurtz, Ryan) . Added MOTION to Transfer Case on 10/3/2017 (jkl). (Entered: 10/02/2017)	
18	10/02/2017	SEALED NOTICE Of Filing Memorandum of Law in Support of 17 MOTION to Dismiss For Improper Venue, or in the Alternative, MOTION to Transfer to Southern District of California by Enfora, Inc. (Kurtz, Ryan) Text modified on 10/3/2017 (jkl). (Entered: 10/02/2017)	
19	10/02/2017	MOTION for Leave to File Matters Under Seal re: 18 Notice of Filing with Brief In Support by Enfora, Inc.. (Attachments: # 1 Text of Proposed Order)(Kurtz, Ryan) (Entered: 10/02/2017)	
20	10/02/2017	Certificate of Interested Persons and Corporate Disclosure Statement by Enfora, Inc. identifying Corporate Parent Novatel Wireless, Inc., Corporate Parent Inseego Corp. for Enfora, Inc.. (Kurtz, Ryan) (Entered: 10/02/2017)	
21	10/03/2017	ORDER granting 19 Motion for Leave to File Matters Under Seal. Signed by Judge Thomas W. Thrash, Jr on 10/3/17. (jkl) (Entered: 10/03/2017)	
	10/03/2017	Clerks Notation re 20 Certificate of Interested Persons, OK, per TWT. (ss) (Entered: 10/03/2017)	
22	10/16/2017	AMENDED COMPLAINT and Exhibits (Redacted) against Enfora, Inc.with Jury Demand, filed by Omega Patents, LLC.(Santurri, Ryan) Please visit our website at http://www.gand.uscourts.gov/commonly-used-forms to obtain Pretrial Instructions which includes the Consent To Proceed Before U.S. Magistrate form. (Entered: 10/16/2017)	
23	10/16/2017	SEALED NOTICE Of Filing Amended Complaint by Omega Patents, LLC re 1 Complaint, (Santurri, Ryan) Modified on 10/17/2017 (btql). (Entered: 10/16/2017)	
24	10/16/2017	MOTION for Leave to File Matters Under Seal re: 23 Notice of Filing Amended Complaint and Exhibits by Omega Patents, LLC. (Attachments: # 1 Text of Proposed Order)(Santurri, Ryan) (Entered: 10/16/2017)	
25	10/17/2017	ORDER GRANTING 24 Motion for Leave to File Matters Under Seal. Signed by Judge Thomas W. Thrash, Jr on 10/17/2017. (btql) (Entered: 10/17/2017)	
	10/23/2017	Submission of 17 MOTION to Dismiss For Improper Venue, or in the Alternative, MOTION to Transfer to Southern District of California to District Judge Thomas W. Thrash. (jkl) (Entered: 10/23/2017)	
26	10/30/2017	MOTION to Dismiss , MOTION to Change Venue with Brief In Support by Enfora, Inc.. (Attachments: # 1 Brief)(Kurtz, Ryan) (Entered: 10/30/2017)	
27	10/30/2017	MOTION for Leave to File Matters Under Seal re: 28 Notice of Filing with Brief In Support by Enfora, Inc. (Attachments: # 1 Text of Proposed Order)(Kurtz, Ryan) Modified on 10/31/2017 to link to proper document (jkl). (Entered: 10/30/2017)	
28	10/30/2017	SEALED MEMORANDUM OF LAW in support of 26 MOTION to Dismiss/MOTION to Change Venue by Enfora, Inc. (Kurtz, Ryan) Modified on 11/3/2017 (jkl). (Entered: 10/30/2017)	
29	10/31/2017	Consent MOTION to Stay Certain Pre-Discovery Deadlines by Enfora, Inc.. (Attachments: # 1 Text of Proposed Order)(Kurtz, Ryan) (Entered: 10/31/2017)	
31	11/03/2017	ORDER granting 27 Motion for Leave to File Matters Under Seal. Signed by Judge Thomas W. Thrash, Jr on 11/2/17. (jkl) (Entered: 11/03/2017)	
32	11/03/2017	ORDER GRANTING 29 Motion to Stay Certain Pre-Discovery	

1:17cv2769, Omega Patents, Llc V. Enfora, Inc.

#	Date	Proceeding Text	Source
		Deadlines until 30 days after Defendant files its Answer to Plaintiffs FAC. Signed by Judge Thomas W. Thrash, Jr. on 11/2/17. (jkl) (Entered: 11/03/2017)	
33	11/13/2017	RESPONSE in Opposition re 26 MOTION to Dismiss MOTION to Change Venue filed by Omega Patents, LLC. (Santurri, Ryan) (Entered: 11/13/2017)	
34	11/13/2017	MOTION to Stay Pending Reexamination with Brief In Support by Enfora, Inc.. (Attachments: # 1 Brief, # 2 Exhibit A - Declaration of Jo Dale Carothers, # 3 Exhibit 1 t0 Dec of Jo Dale Carothers, # 4 Exhibit 2 to Dec of Jo Dale Carothers, # 5 Exhibit 3 to Dec of Jo Dale Carothers, # 6 Exhibit 4 to Dec of Jo Dale Carothers, # 7 Exhibit 5 part 1 to Dec of Jo Dale Carothers, # 8 Exhibit 5 part 2 to Dec of Jo Dale Carothers)(Kurtz, Ryan) (Entered: 11/13/2017)	
35	11/27/2017	RESPONSE in Opposition re 34 MOTION to Stay Pending Reexamination filed by Omega Patents, LLC. (Santurri, Ryan) (Entered: 11/27/2017)	
36	11/27/2017	REPLY to Response to Motion re 26 MOTION to Dismiss MOTION to Change Venue filed by Enfora, Inc.. (Kurtz, Ryan) (Entered: 11/27/2017)	
37	11/27/2017	Per Order: SEALED and Filed at 40 Reply Brief NOTICE Of Filing by Enfora, Inc. (Kurtz, Ryan) Modified on 11/29/2017 (jkl). (Entered: 11/27/2017)	
38	11/27/2017	MOTION for Leave to File Matters Under Seal re: 37 Notice of Filing by Enfora, Inc.. (Attachments: # 1 Text of Proposed Order)(Kurtz, Ryan) (Entered: 11/27/2017)	
39	11/28/2017	ORDER granting 38 Motion for Leave to File Matters Under Seal. Signed by Judge Thomas W. Thrash, Jr on 11/28/17. (jkl) (Entered: 11/29/2017)	
40	11/28/2017	REPLY BRIEF re 26 MOTION to Dismiss/MOTION to Change Venue filed UNDER SEAL by Enfora, Inc. (jkl) (Entered: 11/29/2017)	
	11/29/2017	Submission of 26 MOTION to Dismiss/ MOTION to Change Venue to District Judge Thomas W. Thrash. (jkl) (Entered: 11/29/2017)	
41	12/01/2017	ORDER DENYING AS MOOT 17 Motion to Dismiss/Motion to Transfer Case. Signed by Judge Thomas W. Thrash, Jr on 11/30/17. (jkl) (Entered: 12/01/2017)	
42	12/11/2017	REPLY BRIEF re 34 MOTION to Stay Pending Reexamination filed by Enfora, Inc.. (Kurtz, Ryan) (Entered: 12/11/2017)	
43	12/18/2017	ORDER denying 26 Motion to Dismiss or Transfer. Signed by Judge Thomas W. Thrash, Jr on 12/18/17. (jpa) (Entered: 12/19/2017)	
44	12/21/2017	Consent MOTION for Extension of Time to File Answer First Amended Complaint by Enfora, Inc.. (Attachments: # 1 Text of Proposed Order)(Kurtz, Ryan) (Entered: 12/21/2017)	
45	12/27/2017	ORDER GRANTING 44 Motion for Extension of Time to Answer, Enfora, Inc. Answer due 1/16/2018. Signed by Judge Thomas W. Thrash, Jr. on 12/27/17. (bnw) (Entered: 12/27/2017)	
	12/28/2017	Submission of 34 MOTION to Stay Pending Reexamination, submitted to District Judge Thomas W. Thrash. (bnw) (Entered: 12/28/2017)	
46	01/12/2018	Unopposed MOTION for Leave to File Sur-Reply In Support of Its Motion for A Stay Pending Reexamination by Enfora, Inc.. (Attachments: # 1 Exhibit 1 - Proposed Sur-Reply, # 2 Exhibit 2 - Proposed Order)(Kurtz, Ryan) (Entered: 01/12/2018)	
47	01/16/2018	ORDER granting 46 Motion for Leave to File Sur-Reply In Support of Its Motion for A Stay Pending Reexamination. Signed by Judge Thomas W. Thrash, Jr on 1/16/18. (jkl) (Entered: 01/16/2018)	

#	Date	Proceeding Text	Source
48	01/16/2018	Defendant's SUR-REPLY in Support of 34 MOTION to Stay Pending Reexamination filed by Enfora, Inc. (jkl) (Entered: 01/16/2018)	
49	01/16/2018	ANSWER to 22 Amended Complaint by Enfora, Inc.. Discovery ends on 10/15/2018.(Kurtz, Ryan) Please visit our website at http://www.gand.uscourts.gov to obtain Pretrial Instructions. (Entered: 01/16/2018)	
50	01/16/2018	SEALED ANSWER to Amended Complaint by Enfora, Inc. (Attachments: # 1 Exhibit A)(Kurtz, Ryan) Modified on 1/18/2018 (jkl). (Entered: 01/16/2018)	
51	01/16/2018	MOTION for Leave to File Matters Under Seal re: 50 Notice of Filing with Brief In Support by Enfora, Inc.. (Attachments: # 1 Text of Proposed Order)(Kurtz, Ryan) (Entered: 01/16/2018)	
52	01/18/2018	ORDER GRANTING 51 Motion for Leave to File Matters Under Seal and DIRECTING Clerk to file Defendant Enfora, Inc.s Answer and Defenses to Omega Patents, LLCs First Amended Complaint for Patent Infringement under seal. Signed by Judge Thomas W. Thrash, Jr on 1/18/18. (jkl) (Entered: 01/18/2018)	
53	01/31/2018	ORDER GRANTING 34 Motion to Stay Pending Reexamination. The Clerk is directed to close the case administratively. The Plaintiff may move to reopen the case and lift the stay after 6 months. Signed by Judge Thomas W. Thrash, Jr on 1/31/18. (jkl) (Entered: 01/31/2018)	
	01/31/2018	Civil Case closed administratively. (jkl) (Entered: 01/31/2018)	
54	01/31/2018	AO Form 120 forwarded to Director of the U.S. Patent and Trademark Office. (jkl) (Entered: 01/31/2018)	
55	08/08/2019	STIPULATION of Dismissal With Prejudice by Omega Patents, LLC. (Santurri, Ryan) (Entered: 08/08/2019)	
--	09/03/2019	Clerk's Entry of Dismissal APPROVING 55 Stipulation of Dismissal with Prejudice pursuant to Fed.R.Civ.P.41(a)(1)(A)(ii). (cmd) (Entered: 09/03/2019)	Events since last full update

Patents

Number	Title	Issued	Class	Subclass
6,346,876	Multi-vehicle compatible control system generating command signals on a data bus and associated methods	02/12/2002	340	426.13
6,756,885	Multi-vehicle compatible control system for reading from a data bus and associated methods	06/29/2004	340	426.1
8,032,278	Vehicle tracking unit with downloadable codes and associated methods	10/04/2011	701	36

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1:13cv646, Omega Patents, Llc V. Enfora, Inc.

US District Court Docket

US District Court for the Northern District of Georgia

(Atlanta)

This case was retrieved on 08/20/2019

Header

Case Number: 1:13cv646
Date Filed: 02/28/2013
Assigned To: Judge Thomas W. Thrash, Jr
Nature of Suit: Patent (830)
Cause: Patent Infringement
Lead Docket: None
Other Docket: None
Jurisdiction: Federal Question

Class Code: Closed
Closed: 06/20/2013
Statute: 28:1338
Jury Demand: Plaintiff
Demand Amount: $0
NOS Description: Patent

Litigants

Omega Patents, LLC
a Georgia limited liability company |
Plaintiff

Enfora, Inc.
a Delaware Corporation |
Defendant

Novatel Wireless, Inc.
Defendant

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Email:Dan.Gresham@thomashorstemeyer.Com

Proceedings

#	Date	Proceeding Text	Source
1	02/28/2013	COMPLAINT with Jury Demand, filed by Omega Patents, LLC. Consent form to proceed before U.S. Magistrate and pretrial instructions provided. (Filing fee $ 350.00 receipt number 113E-4436675.) (Attachments: # 1 Exhibit A - '876, # 2 Exhibit B - '727, # 3 Exhibit C -'278, # 4 Exhibit D - '886, # 5 Civil Cover Sheet)(eop) Please visit our website at http://www.gand.uscourts.gov to obtain Pretrial Instructions.	

1:13cv646, Omega Patents, Llc V. Enfora, Inc.

#	Date	Proceeding Text	Source
		(Entered: 02/28/2013)	
2	02/28/2013	Electronic Summons Issued as to Enfora, Inc.. (eop) (Entered: 02/28/2013)	
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4	02/28/2013	AO Form 120 forwarded to Commissioner. (eop) (Entered: 02/28/2013)	
	03/01/2013	Clerks Notation re 3 Certificate of Interested Persons, OK per TWT. (ss) (Entered: 03/01/2013)	
5	03/07/2013	First AMENDED COMPLAINT against Enfora, Inc., Novatel Wireless, Inc.with Jury Demand, filed by Omega Patents, LLC. (Attachments: # 1 Exhibit A - '876 Patent, # 2 Exhibit B - '727 Patent, # 3 Exhibit C - '278 Patent, # 4 Exhibit D - '886 Patent, # 5 Summons Novatel Wireless, Inc.)(Gresham, Dan) Please visit our website at http://www.gand.uscourts.gov to obtain Pretrial Instructions. (Entered: 03/07/2013)	
6	03/07/2013	Supplemental Certificate of Interested Persons and Corporate Disclosure Statement by Omega Patents, LLC identifying Other Affiliate Kenneth Flick for Omega Patents, LLC. (Gresham, Dan) (Entered: 03/07/2013)	
7	06/19/2013	NOTICE of Voluntary Dismissal Without Prejudice filed by Omega Patents, LLC (Gresham, Dan) (Entered: 06/19/2013)	
	06/20/2013	Clerk's Entry of Dismissal APPROVING 7 Notice of Voluntary Dismissal pursuant to Fed.R.Civ.P.41(a)(1)(i) (dr) (Entered: 06/20/2013)	
	06/20/2013	Civil Case Terminated. (dr) (Entered: 06/20/2013)	
8	06/20/2013	AO Form 120 forwarded to Commissioner. (dr) (Entered: 06/20/2013)	

Patents

Number	Title	Issued	Class	Subclass
6,346,876	Multi-vehicle compatible control system generating command signals on a data bus and associated methods	02/12/2002	340	426.13
7,671,727	Speed exceeded notification device for vehicle having a data bus and associated methods	03/02/2010	340	466
8,032,278	Vehicle tracking unit with downloadable codes and associated methods	10/04/2011	701	36
8,362,886	Multi-controller data bus adaptor and associated methods	01/29/2013	340	426.17

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1:17mi99999, Plaintiff V. Defendant, Part 2 of 3

US District Court Docket

US District Court for the Northern District of Georgia

(Atlanta)

This case was retrieved on 11/08/2019

Notice

Part 2 of 3. You are viewing a very large document that has been divided into parts.

Header

Case Number: 1:17mi99999
Date Filed: 12/27/2016
Nature of Suit: Other Contract (190)
Cause: Diversity-Breach of Fiduciary Duty
Lead Docket: None
Other Docket: None
Jurisdiction: Federal Question

Statute: 28:1332
Jury Demand: None
Demand Amount: $0
NOS Description: Other Contract

Proceedings

#	Date	Proceeding Text	Source
		CIVIL ACTION NO. 1:17-CV-1754-TWT JSA 480 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Erwin Leander Maddox vs. Enhanced Recovery Company, LLC. Filing fee $ 400, receipt number 113E-7147582. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) Modified on 5/16/2017 (smw). (Entered: 05/15/2017)	
1207	05/15/2017	CIVIL ACTION NO. 1:17-CV-1755-TCB CMS 480 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tammy Nico Oesterle vs. I.C. System, Inc.,. Filing fee $ 400, receipt number 113E-7147583. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew)(smw). (Entered: 05/15/2017)	
1208	05/16/2017	CIVIL ACTION NO. 1:17-CV-1757-LMM 710 29:0216b. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Dwayne Wingate vs. H.E.H. Paving, Inc.. Filing fee $ 400, receipt number 113E-7148011. (Attachments: # 1 Civil Cover Sheet)(Fenster, Ariel)(smw). (Entered: 05/16/2017)	
1209	05/16/2017	CIVIL ACTION NO. 1:17-CV-1758-MHC 710 29:0216b. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Corey Woods vs. H.E.H. Paving, Inc.. Filing fee $ 400, receipt number 113E-7148023. (Attachments: # 1 Civil Cover Sheet)(Fenster, Ariel)(smw). (Entered: 05/16/2017)	
1210	05/16/2017	CIVIL ACTION NO. 1:17-CV-1760-RWS 840 28:1338tr. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint U.S. Poultry & Egg Association, Inc. vs. Tarzango, LLC. Filing fee $ 400, receipt number 113E-7148378. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Summons, # 7 Civil Cover Sheet)(Fort, Ann)(smw). (Entered:	

#	Date	Proceeding Text	Source
		05/16/2017)	
1211	05/16/2017	CIVIL ACTION NO. 1:17-CV-1761-ELR 442 28:1331. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Frances Olivia Cummings vs. Ultimate Aircraft, Inc.. Filing fee $ 400, receipt number 113E-7148574. (Attachments: # 1 Exhibit Exhibit 1 (OHSA Complaint), # 2 Exhibit Exhibit 2 (OSHA kick-out letter), # 3 Summons Ultimate Aircraft, Inc., # 4 Summons Ultimate Aircraft Appearance (Georgia), LLC, # 5 Civil Cover Sheet)(Fuchs, Dean)(smw). (Entered: 05/16/2017)	
1212	05/16/2017	CIVIL ACTION NO. 1:17-CV-1764-CAP 367 28:1332pl. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Donna Helton vs. Johnson & Johnson and Ethicon, Inc.. Filing fee $ 400, receipt number 113E-7148776. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Garrard, Henry) (smw). (Entered: 05/16/2017)	
1213	05/16/2017	CIVIL ACTION NO. 1:17-CV-1768-AT 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Peggy Jean Baldwin vs. The Kroger Co.. Filing fee $ 400, receipt number 113E-7148832. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exhibit A, # 3 Exhibit Exhibit B, # 4 Exhibit Exhibit C)(Jones, Candis)(smw). (Entered: 05/16/2017)	
1214	05/16/2017	CIVIL ACTION NO. 1:17-cv-1774-LMM AJB 863 42:0405wc. E-SUMMONS NOT ISSUED; SUMMONS WILL BE E-ISSUED BY DKT CLERK UPON IFP APPROVAL. Case Initiating Documents-Complaint Errica Leonard vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) (akr). (Entered: 05/16/2017)	
1215	05/16/2017	CIVIL ACTION NO. 1:17-cv-1775-MHC JFK 480 15:1681. Case Initiating Documents-Complaint Marshall Walker Colbert, Sr., vs. Equifax Information Services, LLC and CitiMortgage, Inc.,. Filing fee $ 400, receipt number 113E-7149763. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) No e-summons issued. (akr). (Entered: 05/16/2017)	
1216	05/16/2017	TRO - IMMEDIATE HEARING REQUESTED CIVIL ACTION NO. 1:17-cv-1778-TWT 190 28:1332bc. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7150193. (Attachments: # 1 Exhibit Composite - A through I, # 2 Civil Cover Sheet, # 3 Summons)(Stegawski, Michael) One (1) e-summons issued. (akr). (Entered: 05/16/2017)	
1217	05/16/2017	CIVIL ACTION NO. 1:17-cv-1779-WSD 367 28:1332pl. Case Initiating Documents-Complaint Nancy C. Johnson vs. Wright Medical Technology, Inc.. Filing fee $ 400, receipt number 113E-7150284. (Attachments: # 1 Civil Cover Sheet CivlCover Sheet)(Jez, G.) No e-summons issued. (akr). (Entered: 05/16/2017)	
1218	05/16/2017	CIVIL ACTION NO. 1:17-CV-1780-ELR 440 42:1983cv; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Darnell Brown vs. Officer C.R. Gill. Filing fee $ 400, receipt number 113E-7150432. (Attachments: # 1 Civil Cover Sheet Cover Sheet, # 2 Exhibit A, # 3 Exhibit B, # 4 Summons Officer Craig, # 5 Summons Officer Gills, # 6 Exhibit Verification)(Thomas, Dwight) (jaw). (Entered: 05/16/2017)	
1219	05/16/2017	CIVIL ACTION NO. 1:17-CV-1781-TCB 190 28:1332bc; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Rogers vs. Quicken Loans, Inc.. Filing fee $ 400, receipt number 113E-7150503. (Attachments: # 1 Exhibit, # 2 Exhibit, # 3 Exhibit,	

#	Date	Proceeding Text	Source
		# 4 Exhibit, # 5 Exhibit, # 6 Exhibit, # 7 Exhibit, # 8 Exhibit, # 9 Exhibit, # 10 Civil Cover Sheet, # 11 Summons)(Wetherington, Matthew) (jaw). (Entered: 05/16/2017)	
1220	05/16/2017	CIVIL ACTION NO. 1:17-CV-1782-AT LTW 290 15:1692; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Norma E. Butler-Stern vs. Jay Memmott, CEO. Filing fee $ 400, receipt number 113E-7150506. (Attachments: # 1 Civil Cover Sheet)(Arefin, Dewan) (jaw). (Entered: 05/16/2017)	
1221	05/17/2017	CIVIL ACTION NO. 1:17-CV-1785-LMM WEJ 480 15:1692; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Barbara Dunham vs. Rent Recover of Better NOI, LLC. Filing fee $ 400, receipt number 113E-7150779. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) (jaw). (Entered: 05/17/2017)	
1222	05/17/2017	CIVIL ACTION NO. 1:17-CV-1786-MHC RGV 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Julia Warren Neal vs. Equifax Information Services, LLC; Trans Union, LLC; and Nationstar Mortgage, LLC,. Filing fee $ 400, receipt number 113E-7150819. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) (jaw). (Entered: 05/17/2017)	
1223	05/17/2017	CIVIL ACTION NO. 1:17-CV-1787-ELR 890 47:0227; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint ERNEST WOODBERRY vs. NAVIENT SOLUTIONS, LLC. Filing fee $ 400, receipt number 113E-7151047. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Gomez, Octavio) (jaw). (Entered: 05/17/2017)	
1224	05/17/2017	CIVIL ACTION NO. 1:17-CV-1788-ODE JSA 480 15:1692; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Amy Davis vs. Focus Receivables Management, LLC.. Filing fee $ 400, receipt number 113E-7151305. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate of Interested Parties)(Lemberg, Sergei) (jaw). (Entered: 05/17/2017)	
1225	05/17/2017	CIVIL ACTION NO. 1:17-CV-1792-AT JSA 863 42:0405wc; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jonathan Herman vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 05/17/2017)	
1226	05/17/2017	CIVIL ACTION NO. 1:17-CV-1793-RWS JKL 445 42:12101; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Larry Western vs. Norfolk Southern Railway Company. Filing fee $ 400, receipt number 113E-7152288. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Gunn, Ernest) (jaw). (Entered: 05/17/2017)	
1227	05/17/2017	CIVIL ACTION NO. 1:17-CV-1794; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Mashal Corp. vs. Automotive Finance Corporation. Filing fee $ 400, receipt number 113E-7152599. (Attachments: # 1 Civil Cover Sheet, # 2 Appearance of Counsel, # 3 Exhibit A - State Court Complaint, # 4 Exhibit B - State Court Summons, # 5 Exhibit C - State CourtReturn of Service, # 6 Exhibit D - Gwinnett Docket Report, # 7 Exhibit E - Mashal Georgia Secretary of State Business Report, # 8 Exhibit F - Automotive finance Corporation Indiana Secretary of State Business Report)(Potter, Bernard) (jaw). (Entered: 05/17/2017)	
1228	05/17/2017	SUBMISSION of additional attachments re: 1227 ; 1:17-CV-1794-LMM. Case Initiating Documents-Notice of Removal,,. (Attachments: # 1 Affidavit Affidavit of Jeremy Dunn (Exhibit G))(Potter, Bernard) (jaw). (Entered: 05/17/2017)	

#	Date	Proceeding Text	Source
1229	05/17/2017	CIVIL ACTION NO. 1:17-CV-1797-CAP 465 05:0702; FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint Systel, Inc. vs. John F. Kelly, Secretary, DHS, et al. Filing fee $ 400, receipt number 113E-7152994. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Supporting Exhibits, # 3 Summons John Horn, # 4 Summons John Kelly, # 5 Summons Mcament, # 6 Summons Zuchowski)(Levine, Kenneth) (jaw). (Entered: 05/17/2017)	
1230	05/17/2017	CIVIL ACTION NO. 1:17-cv-1798-SCJ JFK 442 42:2000sx. Case Initiating Documents-Complaint Sharon Turner vs. B.L. Harbert International. Filing fee $ 400, receipt number 113E-7153479. (Miller, Jamie) No e-summons issued. NOTE: Civil Cover Sheet not attached. Atty. Miller contacted on 5/18/17 by akr and directed to submit in case assigned. (akr). (Entered: 05/17/2017)	
1231	05/17/2017	INJ/TRO. CIVIL ACTION NO. 1:17-cv-1799-RWS 820 28:1338cp. Case Initiating Documents-Notice of Removal, Peniel Solutions, LLC vs. Weems Design Studio, Inc.. Filing fee $ 400, receipt number 113E-7153486. (Attachments: # 1 Exhibit Complaint with Exhibits, # 2 Exhibit Sheriff's Entries of Service, # 3 Exhibit Summonses, # 4 Exhibit Plaintiff's Jury Demand, # 5 Exhibit Civil Cover Sheet)(Moriarty, Daniel) No e-summons submitted; NOTE: Civil Cover Sheet not attached; Atty. Moriarty contacted on 5/18/17 by akr and directed to submit in case assigned. (akr). (Entered: 05/17/2017)	
1232	05/17/2017	CIVIL ACTION NO. 1:17-cv-1800-CAP 190 28:1441bc. Case Initiating Documents-Notice of Removal, SOUTHERN STATES, LLC vs. CIGNA HEALTH AND LIFE INSURANCE COMPANY. Filing fee $ 400, receipt number 113E-7153514. (Attachments: # 1 Exhibit 1 - Complaint, # 2 Exhibit 2 - Summonses, # 3 Exhibit 3 - Case Initiation Form, # 4 Exhibit 4 - Sheriff's Entry of Service (Wells Fargo Insurance Services USA, Inc.), # 5 Exhibit 5 - Sheriff's Entry of Service (Cigna Health and Life Insurance Company), # 6 Exhibit 6 - Notice of Removal (Henry Superior), # 7 Civil Cover Sheet)(Coppage, Kenton) No e-summons issued. (akr). (Entered: 05/17/2017)	
1233	05/17/2017	CIVIL ACTION NO. 1:17-cv-1801-LMM JKL (ifp)440 42:1983cv. Case Initiating Documents-Complaint Joshua Everett Duvall vs. Cobb County, Georgia. No payment received. (Attachments: # 1 Summons Cobb County, # 2 Summons Mangold, # 3 Summons Rashad, # 4 Summons Moore, # 5 Summons Nalls, # 6 Civil Cover Sheet)(Scarborough, Stephen) E-summons not issued; summons will be e-issued by dkt clerk upon IFP approval (See Docket Entry 1235 containing IFP pldg) (akr). (Entered: 05/17/2017)	
1234	05/17/2017	CIVIL ACTION NO. 1:17-cv-1802-LMM LTW 442 42:1981ra. Case Initiating Documents-Complaint Angela Powell vs. Ole' Mexican Foods, Inc.. Filing fee $ 400, receipt number 113E-7153538. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - EEOC Charge, # 3 Exhibit B - Right to Sue Letter)(Mosley, Andrew) No e-summons issued. (akr). (Entered: 05/17/2017)	
1235	05/17/2017	CIVIL ACTION NO. 1:17-cv-1801-LMM. SUBMISSION of additional attachments re: 1233 Case Initiating Documents-Complaint,. (Scarborough, Stephen) (akr). (Entered: 05/17/2017)	
1236	05/18/2017	CIVIL ACTION NO. 1:17-cv-1799-RWS. RESUBMISSION of 1231 TRO. CIVIL ACTION NO. 1:17-cv-1799. Case Initiating Documents-Notice of Removal, Peniel Solutions, LLC vs. Weems Design Studio, Inc.. Filing fee $ 400, receipt number 113E-7153486. (Attachments: # 1 Exhibit Complaint with Exhibits, # 2 Exhibit Sheriff's Entries of Service, # 3 Exhibit Summonses, # 4 Exhibit Plaintiff's Jury Demand, # 5 Exhibit Civil Cover	

#	Date	Proceeding Text	Source
		Sheet)(Moriarty, Daniel) No e-summons submitted; NOTE: Civil Cover Sheet not attached; Atty. Moriarty contacted on 5/18/17 by akr and directed to submit in case assigned. (akr).. (Moriarty, Daniel) (akr). (Entered: 05/18/2017)	
1237	05/18/2017	3:17-cv-67-TCB 443 42:3601 CASE FILED IN INCORRECT DIVISION SHELL CASE. DOCUMENTS FORWARDED TO NEWNAN DIVISION BY JAW ON 05/18/2017. Case Initiating Documents-Complaint Georgia State Conference of the NAACP vs. City of LaGrange. Filing fee $ 400, receipt number 113E-7153979. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Hollie, Atteeyah)NOTE: NO ANSWER AT LAW FIRM NUMBER OF (404)688-1202 REGARDING SAME (jaw). (Entered: 05/18/2017)	
1238	05/18/2017	CIVIL ACTION NO. 1:17-CV-1803-MHC 710 29:0216b; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tamie Guzzo vs. ProSource, Inc.. Filing fee $ 400, receipt number 113E-7154105. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Smith, Louise) (jaw). (Entered: 05/18/2017)	
1239	05/18/2017	CIVIL ACTION NO. 1:17-CV-1804-ELR 890 47:0227; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint PIERRE JONES vs. CREDIT ONE BANK, N.A.. Filing fee $ 400, receipt number 113E-7154132. (Attachments: # 1 Exhibit A - Call Log, # 2 Civil Cover Sheet, # 3 Summons)(Gomez, Octavio) (jaw). (Entered: 05/18/2017)	
1240	05/18/2017	CIVIL ACTION NO. 1:17-CV-1806-WSD 152 20:1080; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint United States of America vs. Twila Harris. No payment received. (Attachments: # 1 Exhibit Declaration of Delfin Reyes, # 2 Exhibit Attachment A, # 3 Exhibit Attachment B, # 4 Exhibit Attachment C, # 5 Exhibit Attachment D, # 6 Exhibit Attachment E, # 7 Exhibit Attachment F, # 8 Civil Cover Sheet, # 9 Summons)(Beranek, Lori) (jaw). (Entered: 05/18/2017)	
1241	05/18/2017	CIVIL ACTION NO. 1:17-cv-1808-MHC 890 12:1821k. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, State of Georgia, ex rel. Ralph T. Hudgens, Commissioner of Insurance of the State of Georgia vs. Richard O'dom. No payment received. (Attachments: # 1 Exhibit 1 - Notice of Substitution)(Wolgast, Lisa) Removal missing Complaint and Civil Cover Sheet. Atty. Wolgast contacted on 5/18/17 by akr and directed to file complaint or removal pleading using the event Submission of Additional Attachments - case will be processed when documents received. (akr). (Entered: 05/18/2017)	
1242	05/18/2017	CIVIL ACTION NO. 1:17-cv-1808-MHC. SUBMISSION of additional attachments re: 1241 Case Initiating Documents-Notice of Removal,,. (Attachments: # 1 Civil Cover Sheet)(Wolgast, Lisa) (akr). (Entered: 05/18/2017)	
1243	05/18/2017	CIVIL ACTION NO. 1:17-cv-1808-MHC. SUBMISSION of additional attachments re: 1241 Case Initiating Documents-Notice of Removal,,. (Attachments: # 1 Exhibit B - Original Complaint, # 2 Exhibit C - First Amended Complaint)(Wolgast, Lisa) (akr). (Entered: 05/18/2017)	
1244	05/18/2017	CIVIL ACTION NO. 1:17-cv-1809-ELR 190 28:1332bc. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7155088. (Attachments: # 1 Exhibit A to Complaint, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Summons on Fair Isaac Corporation)(Peeler, Charles) One (1) e-summons issued. (akr). (Entered: 05/18/2017)	
1245	05/18/2017	CIVIL ACTION NO. 1:17-cv-1810-SCJ 830 28:1338pt. Case Initiating Documents-Complaint NSX Operating Co., LLC vs.	

#	Date	Proceeding Text	Source
		Anderson & Vreeland, Inc.. Filing fee $ 400, receipt number 113E-7155276. (Attachments: # 1 Exhibit A (US Patent No. 6,162,593), # 2 Exhibit B (US Patent No. 6,682,877), # 3 Civil Cover Sheet, # 4 Summons)(Broyles, Keith) One (1) e-summons issued. (akr). (Entered: 05/18/2017)	
1246	05/18/2017	CIVIL ACTION NO. 1:17-CV-1811-MHC AJB 442 42:2000ra; TWO E-SUMMONS. Case Initiating Documents-Complaint Rick Nuzzo vs. Gregory T. Baranco. Filing fee $ 400, receipt number 113E-7155649. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B, # 3 Civil Cover Sheet, # 4 Supplement CIP, # 5 Summons, # 6 Summons)(Reddy, K.) (jaw). (Entered: 05/18/2017)	
1247	05/19/2017	CIVIL ACTION NO. 1:17-cv-1812-CAP 350 28:1441mv. Case Initiating Documents-Notice of Removal, LORETTA KELLY vs. SUSAN GREENE. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet)(Johnson, Tiffany) No e-summons issued. (akr). (Entered: 05/19/2017)	
1248	05/19/2017	CIVIL ACTION NO. 1:17-cv-1813-WSD LTW 480 15:1692. Case Initiating Documents-Complaint Jessica Lanning vs. National Credit Systems, Inc.. Filing fee $ 400, receipt number 113E-7156834. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate of Interested Parties)(Lemberg, Sergei) One (1) e-summons issued. (akr). (Entered: 05/19/2017)	
1249	05/19/2017	CIVIL ACTION NO. 1:17-cv-1815-AT WEJ 430 12:2601. Case Initiating Documents-Complaint Christine A. Brown vs. Bank of America, National Association. Filing fee $ 400, receipt number 113E-7156886. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Brown, Kenneth) One (1) e-summons issued. (akr). (Entered: 05/19/2017)	
1250	05/19/2017	CIVIL ACTION NO. 1:17-cv-1816-ELR 190 28:1332bc. Case Initiating Documents-Complaint SIS, LLC vs. Stoneridge Software, Inc.. Filing fee $ 400, receipt number 113E-7156888. (Attachments: # 1 Civil Cover Sheet Civil cover Sheet)(Rosen, Steven) No e-summons issued. (akr). (Entered: 05/19/2017)	
1251	05/19/2017	CIVIL ACTION NO. 1:17-cv-1818-CAP 710 29:0216b. Case Initiating Documents-Complaint Mario Remedios Garcia Alvarez vs. Tienda y Carniceria La Unica, Inc.. Filing fee $ 400, receipt number 113E-7157201. (Attachments: # 1 Summons Summons, # 2 Civil Cover Sheet Civil Cover Sheet)(Van Remmen, Gordon) One (1) e-summons issued. (akr). (Entered: 05/19/2017)	
1252	05/19/2017	CIVIL ACTION NO. 1:17-cv-1819-TWT 440 42:1983cv. Case Initiating Documents-Complaint Denis Quinette vs. Dilmus Reed. Filing fee $ 400, receipt number 113E-7157248. (Attachments: # 1 Affidavit Verification of Complaint, # 2 Civil Cover Sheet, # 3 Summons Defendant Reed, # 4 Summons Defendant Alder, # 5 Summons Defendant Bartlett, # 6 Summons Defendant Beck, # 7 Summons Defendant Coker, # 8 Summons Defendant Craig, # 9 Summons Defendant Prince, # 10 Summons Defendant Warren)(Begnaud, Mark) Eight (8) e-summons issued. (akr). (Entered: 05/19/2017)	
1253	05/19/2017	CIVIL ACTION NO. 1:17-cv-1820-ELR WEJ 442 42:2000sx. Case Initiating Documents-Complaint Vanessa Jenkins vs. O'Reilly Automotive Stores, Inc. d/b/a O'Reilly Auto Parts. Filing fee $ 400, receipt number 113E-7157489. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet, # 3 Summons)(Mixon, J.) One (1) e-summons issued. (akr). (Entered: 05/19/2017)	
1254	05/19/2017	CIVIL ACTION NO. 1:17-cv-1821-RWS 110 28:2201in. Case Initiating Documents-Complaint Selective Insurance Company of the Southeast vs. A&G Heating & Air Conditioning Services, Inc.. Filing fee $ 400, receipt number 113E-7157534. (Attachments: # 1	

#	Date	Proceeding Text	Source
		Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons to A&G Heating, # 3 Summons Summons to Garry Fancher, # 4 Summons Summons to Carlos Berrios, # 5 Exhibit Exhibit A-Insurance Policy, # 6 Exhibit Exhibit B-Demand Letter)(Kyle, Steven) Three (3) e-summons issued. (akr). (Entered: 05/19/2017)	
1255	05/19/2017	CIVIL ACTION NO. 1:17-cv-1822-AT RGV 290 28:1441dj. Case Initiating Documents-Notice of Removal, Joseph Ernstes vs. USAA Federal Savings Bank. Filing fee $ 400, receipt number 113E-7157708. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Civil Cover Sheet)(Anderson, Keith) No e-summons issued. (akr). (Entered: 05/19/2017)	
1256	05/19/2017	CIVIL ACTION NO. 1:17-cv-1826-SCJ JCF 480 15:1692. Case Initiating Documents-Complaint Kathleen Brown vs. Joseph Charles Cooling. Filing fee $ 400, receipt number 113E-7157819. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B, # 3 Exhibit Exhibit C, # 4 Civil Cover Sheet, # 5 Summons Cooling & Winter, # 6 Summons Joseph Cooling, # 7 Summons MRC Receivables)(Silverman, Lawrence) Three (3) e-summons issued. (akr). (Entered: 05/19/2017)	
1257	05/19/2017	CIVIL ACTION NO. 1:17-cv-1827-MHC 190 28:1441bc. Case Initiating Documents-Notice of Removal, Cobra Tactical, Inc. vs. Payment Alliance International Inc.. Filing fee $ 400, receipt number 113E-7157624. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Exhibit A, # 3 Exhibit Exhibit B)(Rosenwasser, Steven) No e-summons issued. (akr). (Entered: 05/19/2017)	
1258	05/19/2017	CIVIL ACTION NO. 1:17-cv-1828-ODE CMS 863 42:0405ww. Case Initiating Documents-Complaint Mary Ann Huffman vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) E-summons not issued; summons will be e-issued by dkt clerk upon IFP approval. (akr). (Entered: 05/19/2017)	
1259	05/19/2017	CIVIL ACTION NO. 1:17-cv-1829-RWS 190 28:1332bc. Case Initiating Documents-Complaint Durham Commercial Capital Corp. vs. Fi-Med Management, Inc. and Primera Medical Group, Inc.. Filing fee $ 400, receipt number 113E-7158136. (Attachments: # 1 Exhibit Exhibit 1, # 2 Exhibit Exhibit 2, # 3 Exhibit Exhibit 3, # 4 Exhibit Exhbit 4, # 5 Exhibit Exhibit 5, # 6 Exhibit Exhibit 6, # 7 Exhibit Exhibit 7, # 8 Exhibit Exhibit 8, # 9 Exhibit Exhibit 9, # 10 Exhibit Exhibit 10, # 11 Exhibit Exhibit 11, # 12 Civil Cover Sheet Civil Cover Sheet, # 13 Summons Summons for Fi-Med Management, Inc., # 14 Summons Summons for Primera Medical Group, Inc.)(Lourie, Lance) Two (2) e-summons issued. (akr). (Entered: 05/19/2017)	
1260	05/19/2017	CIVIL ACTION NO. 1:17-cv-1830-WSD CMS 480 15:1692. Case Initiating Documents-Complaint Ricky Eason vs. Covington Credit. Filing fee $ 400, receipt number 113E-7158227. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Supplement)(Taulbee, Wesley) One (1) e-summons issued. (akr). (Entered: 05/19/2017)	
1261	05/19/2017	CIVIL ACTION NO. 1:17-cv-1831-TCB JKL 863 42:0405wc. Case Initiating Documents-Complaint Tameisha McTizic vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) E-summons not issued; summons will be e-issued by dkt clerk upon IFP approval. (akr). (Entered: 05/19/2017)	
1262	05/19/2017	CIVIL ACTION NO. 1:17-cv-1832-ODE RGV 751 29:2601. Case	

#	Date	Proceeding Text	Source
		Initiating Documents-Complaint Quincy Harper vs. Support.com, Inc.. Filing fee $ 400, receipt number 113E-7158574. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Support.com, Inc., # 3 Plaintiff's Certificate of Interested Persons)(Green, Timothy) One (1) e-summons issued. (akr). (Entered: 05/19/2017)	
1263	05/19/2017	CIVIL ACTION NO. 1:17-CV-1833-TCB 840 28:1338tr. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Digital Blue Inc vs. Find Me A Gift Ltd. Filing fee $ 400, receipt number 113E-7158879. (Attachments: # 1 Exhibit, # 2 Civil Cover Sheet, # 3 Summons)(Spears, Robert)(smw). (Entered: 05/19/2017)	
1264	05/19/2017	CIVIL ACTION NO. 1:17-CV-1834-ODE 71029:0216b. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Lara Villa vs. Latin Mundo #2, Inc.. Filing fee $ 400, receipt number 113E-7158901. (Attachments: # 1 Civil Cover Sheet, # 2 Summons to Latin Mundo #2, Inc., # 3 Summons to Julio C. Mendez Arredondo)(Bridgers, Charles)(smw). (Entered: 05/19/2017)	
1265	05/19/2017	CIVIL ACTION NO. 1:17-CV-1835-LMM WEJ 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Andrew Bernico vs. Hunter Warfield, Inc.. Filing fee $ 400, receipt number 113E-7158881. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons, # 3 Supplement Certificate of Interested Persons, # 4 Exhibit Exhibit 1, # 5 Exhibit Exhibit 2, # 6 Affidavit Affidavit - Andrew Bernico, # 7 Affidavit Affidavit - Sharon Bernico, # 8 Affidavit Affidavit - Tyler Bernico)(MacPherson, Andrew) (smw). (Entered: 05/19/2017)	
1266	05/20/2017	CIVIL ACTION NO. 1:17-C-1836-MHC JFK 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint General Ised Lacroix vs. Nancy A. Berryhill, Acting Commissioner, Social Security Administration. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 IFP Motion, # 3 IFP Application, # 4 Summons Commissioner, # 5 Summons AG, # 6 Summons Gen Cnsl, # 7 Summons US Attny)(Blakeney, Walter)SUMMONS WILL BE E-ISSUED BY THE DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 05/20/2017)	
1267	05/20/2017	CIVIL ACTION NO. 1:17-CV-1837-ELR LTW 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Brian Douglas Noyes vs. Nancy A. Berryhill, Acting Commissioner, Social Security Administration. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 IFP Motion, # 3 IFP Application, # 4 Summons Commissioner, # 5 Summons AG, # 6 Summons Gen Cnsl, # 7 Summons US Attny)(Blakeney, Walter) SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL (smw). (Entered: 05/20/2017)	
1268	05/21/2017	CIVIL ACTION 1:17-CV-1838-CAP 465 08:1329. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint John Ughulu vs. John F. Kelly, Secretary DHS. Filing fee $ 400, receipt number 113E-7159040. (Attachments: # 1 Civil Cover Sheet civil cover sheet, # 2 entry of appearance, # 3 cert of interested parties, # 4 Exhibit list of exhibits, # 5 Exhibit passport & entry docs, # 6 Exhibit I-485 rcpt, # 7 Exhibit notice of interview results, # 8 Exhibit docs ref attempts to resolve, # 9 Exhibit Atlanta processing times, # 10 Exhibit case status info from CIS)(Rosen, Joseph) (smw). (Entered: 05/21/2017)	
1269	05/21/2017	CIVIL ACTION NO. 1:17-CV-1839-TWT JFK 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint DAVID DICKIE III vs. PORTFOLIO RECOVERY ASSOCIATES LLC. Filing fee $ 400, receipt number 113E-7159045. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Portfolio Recovery Associates LLC, # 3 Certificate of Interested	

#	Date	Proceeding Text	Source
		Persons)(Carlson, Clifford)(smw). (Entered: 05/21/2017)	
1270	05/22/2017	CIVIL ACTION NO. 1:17-CV-1840-RWS LTW 480 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Connie Stephens vs. HSI Financial Services, LLC. Filing fee $ 400, receipt number 113E-7159347. (Attachments: # 1 Exhibit ("A" - Summons, Service, Complaint), # 2 Civil Cover Sheet (Civil Cover Sheet))(Chapman, Michael) (smw). (Entered: 05/22/2017)	
1271	05/22/2017	CIVIL ACTION NO. 1:17-CV-1843-AT AJB 480 15:1692. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint MICHAEL L. GILL vs. ROOSEN VARCHETTI & OLIVIER-GA PLLC. Filing fee $ 400, receipt number 113E-7160600. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Civil Cover Sheet, # 7 Summons Lazaga, # 8 Summons Roosen)(Kaiden, Robert)(smw). (Entered: 05/22/2017)	
	05/22/2017	Docketed in wrong case. CASE REFERRED to Magistrate Judge Janet F. King. (per JFK) (Entered: 05/22/2017)	
1272	05/22/2017	TRO - CIVIL ACTION NO. 1:17-CV-1844-ELR 290 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal. Filing fee $ 400, receipt number 113E-7160891. (Attachments: # 1 Exhibit Ex 1 - Superior Court filings, # 2 Exhibit Ex 2 - Security Deed)(Totten, Matthew)(smw). (Entered: 05/22/2017)	
1273	05/22/2017	CIVIL ACTION NO. 1:17-CV-1846-SCJ 490 47:0227. ONE E-Summons ISSUED. Case Initiating Documents-Complaint TABITHA ISOM vs. WELLS FARGO BANK, N.A.. Filing fee $ 400, receipt number 113E-7160989. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Shah, Sumeet)(smw). (Entered: 05/22/2017)	
1274	05/22/2017	CIVIL ACTION NO. 1:17-CV-1847-LMM AJB 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sharon R. Moore vs. Nancy A. Berryhill, Acting Comm'r if Social Security. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Motion to file IFP, # 3 Affidavit in Support of Motion to file IFP, # 4 Summons U.S.Atty, # 5 Summons Defendant, c/o OGC, # 6 Summons Atty Gen Sessions)(Hogan, John) SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 05/22/2017)	
1275	05/22/2017	CIVIL ACTION NO. 1:17-cv-1848-MHC 896 09:0009. Case Initiating Documents-Complaint Morgan Stanley Smith Barney LLC vs. Kimberley Aylesworth (f/k/a Kimberley Perry). Filing fee $ 400, receipt number 113E-7161791. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Weiss, Terry) One (1) e-summons issued. (akr). (Entered: 05/22/2017)	
1276	05/22/2017	CIVIL ACTION NO. 1:17-cv-1849-ODE 710 29:0216b. Case Initiating Documents-Complaint Timothy Williams vs. Prime Energy Services, Inc.. Filing fee $ 400, receipt number 113E-7161845. (Attachments: # 1 Civil Cover Sheet, # 2 Summons to Prime Energy Services, Inc., # 3 Summons to Robert Joseph Shaw)(Herrington, Matthew) Two (2) e-summons issued. (akr). (Entered: 05/22/2017)	
1277	05/22/2017	CIVIL ACTION NO. 1:17-cv-1850-CAP JSA 442 42:2000ra. Case Initiating Documents-Complaint Michael vs. The Anthem Companies, Inc.. Filing fee $ 400, receipt number 113E-7161855. (Attachments: # 1 Civil Cover Sheet)(Redo, Charlotte) No e-summons issued. (akr). (Entered: 05/22/2017)	
1278	05/22/2017	CIVIL ACTION NO. 1:17-cv-1851-RWS 360 28:1441pi. Case Initiating Documents-Notice of Removal, Michelle Mouang vs. Forever 21 Retail, Inc.. Filing fee $ 400, receipt number 113E-7161897. (Attachments: # 1 Exhibit, # 2 Civil Cover	

#	Date	Proceeding Text	Source
		Sheet)(Johnson, Brian) No e-summons issued. (akr). (Entered: 05/22/2017)	
1279	05/23/2017	CIVIL ACTION NO. 1:17-cv-1857-SCJ 370 28:1441fr. Case Initiating Documents-Notice of Removal, Alghadeer Bakery & Market, Inc. vs. TimePayment Corp.. Filing fee $ 400, receipt number 113E-7162964. (Attachments: # 1 Civil Cover Sheet)(Buttermore, Harry) No e-summons issued. (akr). (Entered: 05/23/2017)	
1280	05/23/2017	CIVIL ACTION NO. 1:17-cv-1858-WSD 367 28:1332pl. Case Initiating Documents-Complaint Douglas F. Anderson vs. Wright Medical Technology, Inc.. Filing fee $ 400, receipt number 113E-7163055. (Attachments: # 1 Civil Cover Sheet)(Cannon, Douglas) No e-summons issued. (akr). (Entered: 05/23/2017)	
1281	05/23/2017	CIVIL ACTION NO. 1:17-cv-1859-LMM WEJ 480 15:1692. Case Initiating Documents-Complaint Olive Darlene Roberts-Bowers vs. National Credit Systems, Inc.,. Filing fee $ 400, receipt number 113E-7163287. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) No e-summons issued. (akr). (Entered: 05/23/2017)	
1282	05/23/2017	CIVIL ACTION NO. 1:17-cv-1860-MHC RGV 480 15:1681. Case Initiating Documents-Complaint Fatoumata Kaba vs. Trans Union, LLC and Caliber Home Loans, Inc.,. Filing fee $ 400, receipt number 113E-7163299. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) No e-summons issued. (akr). (Entered: 05/23/2017)	
1283	05/23/2017	MISCELLANEOUS CASE NO. 1:17-MI-00043-ODE WEJ 890 frcp45d. Case Initiating Documents-Miscellaneous (Foreign Subpoena), Peter J. Ferrari vs. D.R. Horton, Inc.-Birmingham. Filing fee $ 47, receipt number 113E-7163453. (Attachments: # 1 Exhibit 1-Carrigan Declaration, # 2 Exhibit 1 to Carrigan's Declaration, # 3 Exhibit 2-Subpoena to Walker Miller, # 4 Exhibit 3-Return of Service Notification, # 5 Exhibit 4-Allen Delcaration, # 6 Exhibit 5-Deposition Excerpts, # 7 Civil Cover Sheet)(Willis, Amelia) No e-summons issued. (akr). (Entered: 05/23/2017)	
1284	05/23/2017	CIVIL ACTION NO. 1:17-cv-1862-CAP 710 29:0216b. Case Initiating Documents-Complaint Erick Delgado Rocha vs. Amity Business Group, LLC. Filing fee $ 400, receipt number 113E-7163831. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons to Amity Business Group, # 3 Summons Summons to T. Madhusudhan)(Hall, Christopher) Two (2) e-summons issued. (akr). (Entered: 05/23/2017)	
1285	05/23/2017	CIVIL ACTION NO. 1:17-cv-1863-RWS 490 47:0551. Case Initiating Documents-Complaint J & J Sports Productions, Inc. vs. Mega Taco, Inc.. Filing fee $ 400, receipt number 113E-7163846. (Attachments: # 1 Civil Cover Sheet, # 2 Summons for Mega Taco, Inc., # 3 Summons for Miguel G. Garcia, Sr., # 4 Certificate as to Interested Parties and Corporate Disclosure Statement)(Reemsnyder, Ronald) Two (2) e-summons issued. (akr). (Entered: 05/23/2017)	
1286	05/23/2017	CIVIL ACTION NO. 1:17-cv-1864- AT 791 29:1132. Case Initiating Documents-Complaint Ann Rubio vs. United of Omaha Life Insurance Company. Filing fee $ 400, receipt number 113E-7163924. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Exhibit Exhibit A - Policy, # 4 Exhibit Exhibit B -- Report by Frangos, # 5 Exhibit Exhibit C -- Report by Dr. DeFilippis)(Warncke, Jeffrey) One (1) e-summons issued. (akr). (Entered: 05/23/2017)	
1287	05/23/2017	CIVIL ACTION NO. 1:17-cv-1865-LMM 190 28:1332bc. Case Initiating Documents-Complaint Ryan Burr, Autumn Burr, Sasha Burr, and Nolan Burr vs. ABM Industries, Inc., United Healthcare	

#	Date	Proceeding Text	Source
		of Georgia,Inc., and United Healthcare Services, Inc.. Filing fee $ 400, receipt number 113E-7164026. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons - ABM, # 3 Summons Summons - United Healthcare of Georgia, # 4 Summons Summons - United Healthcare Services)(Kertscher, Douglas) E-summons not issued; summons incomplete; Atty. Kertscher contacted on 5/23/17 by akr and directed to resubmit in case assigned. (akr). (Entered: 05/23/2017)	
1288	05/23/2017	CIVIL ACTION NO. 1:17-cv-1866-RWS 446 42:12101. Case Initiating Documents-Complaint Blinkhorn, Jessica vs. La Hacienda Midtown LLC. Filing fee $ 400, receipt number 113E-7164666. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant La Hacienda Midtown LLC, # 3 Summons as to Defendant Kliros Realty, Inc.)(Ehrlich, Craig) Two (2) e-summons issued. (akr). (Entered: 05/23/2017)	
1289	05/23/2017	CIVIL ACTION NO. 1:17-cv-1867-MHC JSA 220 28:1444. Case Initiating Documents-Notice of Removal, Darrell Moore vs. Ocwen Loan Servicing, LLC. Filing fee $ 400, receipt number 113E-7164690. (Attachments: # 1 Exhibit 1)(Totten, Matthew) No e-summons issued; NOTE: Civil Cover Sheet not attached; Atty. Totten contacted on 5/24/17 by akr and directed to submit in case assigned. (akr). (Entered: 05/23/2017)	
1290	05/23/2017	CIVIL ACTION NO. 1:17-cv-1868-WSD JKL 445 42:12101. Case Initiating Documents-Complaint KORTNEY JEFFERSON vs. NORFOLK SOUTHERN CORPORATION. Filing fee $ 400, receipt number 113E-7164722. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Norfolk Southern Corporation, # 3 Summons Norfolk Southern Railway Company)(Legare, Cheryl) Two (2) e-summons issued. (akr). (Entered: 05/23/2017)	
1291	05/23/2017	CIVIL ACTION NO. 1:17-CV-1869-TCB JFK 751 29:2601. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Wyvonia Harris vs. Publix Super Markets, Inc.. Filing fee $ 400, receipt number 113E-7164781. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Billips, Matthew)(smw). (Entered: 05/23/2017)	
1292	05/23/2017	CIVIL ACTION NO. 1:17-CV-1870-AT 446 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Futch, Thomas H. vs. Hankook BBQ Taqueria LLC. Filing fee $ 400, receipt number 113E-7164821. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Hankook BBQ Taqueria LLC, # 3 Summons as to Defendant Bain Su Won)(Ehrlich, Craig)(smw). (Entered: 05/23/2017)	
1293	05/23/2017	CIVIL ACTION NO. 1:17-CV-1871-ELR 710 29:0216b. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Daniel St. Clair vs. Building Air Services, Inc.. Filing fee $ 400, receipt number 113E-7164939. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons Building Air Services, Inc., # 3 Summons Summons Stephen Boose, # 4 Summons Summons Jason Jenkins)(Smith, Nicholas)(smw). (Entered: 05/23/2017)	
1294	05/23/2017	CIVIL ACTION NO. 1:17-CV-1872-SCJ 446 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Vernon Shyvers vs. HMH Properties, Ltd.. Filing fee $ 400, receipt number 113E-7164966. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Hwang, Jimmy) (smw). (Entered: 05/23/2017)	
1295	05/24/2017	CIVIL ACTION NO. 1:17-CV-1889-LMM CMS 480 15:1692. ONE E-Summons ISSUED. Case Initiating Documents-Complaint Keylonda Traylor vs. Pacific Northwest Collections, Inc.. Filing fee	

#	Date	Proceeding Text	Source
		$ 400, receipt number 113E-7165771. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Mason, Jonathan)(smw). (Entered: 05/24/2017)	
1296	05/24/2017	CIVIL ACTION NO. 1:17-CV-1890-MHC JKL 220 28:1444. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, John F. James vs. PHH Mortgage Corporation. Filing fee $ 400, receipt number 113E-7165743. (Attachments: # 1 Exhibit A to Notice of Removal, # 2 Exhibit B to Notice of Removal, # 3 Exhibit A to Notice of Removal, # 4 Certificate of Interested Persons and Corporate Disclosure Statement, # 5 Notice of Removal to Plaintiff, # 6 Civil Cover Sheet)(Collins, Jennifer)(smw). (Entered: 05/24/2017)	
1297	05/24/2017	CIVIL ACTION NO. 1:17-CV-1891-ELR 110 28:1441in. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Klinger's Trading, Inc. vs. Harleysville Insurance Company. Filing fee $ 400, receipt number 113E-7165839. (Attachments: # 1 Exhibit A - Summons and Complaint, # 2 Exhibit B - Notice of Filing of Notice of Removal, # 3 Civil Cover Sheet)(Savrin, Philip)(smw). (Entered: 05/24/2017)	
1298	05/24/2017	CIVIL ACTION NO. 1:17-CV-1894-WSD 367 28:1332pl. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint James Miller vs. Wright Medical Technology, Inc.. Filing fee $ 400, receipt number 113E-7166263. (Attachments: # 1 Civil Cover Sheet)(Preuss, Thomas)(smw). (Entered: 05/24/2017)	
1299	05/24/2017	CIVIL ACTION NO. 1:17-CV-1895-TWT 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Valerie Appleton vs. Walmart Corporation. Filing fee $ 400, receipt number 113E-7166312. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - State Court Pleadings)(Lessinger, Howard)(smw). (Entered: 05/24/2017)	
1300	05/24/2017	CIVIL ACTION NO. 1:17-CV-1897-LMM LTW 751 29:2601. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Marbeen Shamon vs. Wal-Mart Stores, Inc.. Filing fee $ 400, receipt number 113E-7166723. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Lakraj, Adeash)(smw). (Entered: 05/24/2017)	
1301	05/24/2017	CIVIL ACTION NO. 1:17-CV-1898-TCB 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, John Fleming vs. Marriott International, Inc.. Filing fee $ 400, receipt number 113E-7166757. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exhibit A, # 3 Exhibit Exhibit B, # 4 Marriott International, Inc.'s Answer, # 5 Marriott International, Inc.'s Jury Demand, # 6 Marriott Claims and Marriott Hotel's Answer, # 7 Marriott Claims Jury Demand, # 8 Marriott Hotel Jury Demand)(Jones, Candis)(smw). (Entered: 05/24/2017)	
1302	05/24/2017	CIVIL ACTION NO. 1:17-CV-1900-MHC 196 28:2201dj; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Fatt Katt Enterprises, Inc. d/b/a Granite Transformations of Atlanta vs. Rocksolid Granit (USA), Inc.. Filing fee $ 400, receipt number 113E-7167363. (Attachments: # 1 Exhibit A - Franchise Agreement, # 2 Exhibit B - Proposed Amendments to Franchise Agreement, # 3 Exhibit C - Termination Notice, # 4 Summons Summons, # 5 Civil Cover Sheet Civil Cover Sheet)(Johnson, James) E-SUMMONS NOT ISSUED DUE TO OMISSION OF ATTY NAME AND ADDRESS INFORMATION FOR WHICH TO SERVE ANSWER OR MOTION ON PLANTIFF'S ATTORNEY(jaw). (Entered: 05/24/2017)	
1303	05/24/2017	CIVIL ACTION NO. 1:17-CV-1901-MHC AJB 442 42:2000rl; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint	

#	Date	Proceeding Text	Source
		Jama, Nadifo vs. Office Depot, Inc.. Filing fee $ 400, receipt number 113E-7167413. (Attachments: # 1 Civil Cover Sheet, # 2 Statement of Material Facts)(Scott, Debra) NOTE: ATCH 2 IS A SUMMONS AND NOT STMT OF MATERIAL FACTS (jaw). (Entered: 05/24/2017)	
1304	05/25/2017	TRO - CIVIL ACTION NO. 1:17-CV-1902-MHC 890 18:1836A; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal. Filing fee $ 400, receipt number 113E-7167682. (Attachments: # 1 Exhibit A - Summons and Verified Complaint, # 2 Exhibit B - Motion for TRO, # 3 Exhibit C - Memo of Law in Support of Motion for TRO, # 4 Exhibit D - Certification, # 5 Exhibit E - Certificate of Service, # 6 Exhibit F - Show Cause and Rule Nisi Order, # 7 Exhibit G - Supplemental Memo of Law in Support of Motion for TRO, # 8 Civil Cover Sheet)(Pumpian, Ryan) (jaw). (Entered: 05/25/2017)	
1305	05/25/2017	CIVIL ACTION NO. 1:17-CV-1904-ELR AJB 480 15:1681; ONE E-Summons ISSUED. Case Initiating Documents-Complaint David Sanchez vs. Orange Tree Employment Screening LLC. Filing fee $ 400, receipt number 113E-7167858. (Attachments: # 1 Summons, # 2 Summons, # 3 Civil Cover Sheet)(Weiner, Andrew) NOTE; SUMMONS ARE DUPLICATES, THEREFORE, ONLY ONE E-SUMMONS ISUED. (jaw). (Entered: 05/25/2017)	
1306	05/25/2017	CIVIL ACTION NO. 1:17-CV-1906-TWT 360 28:1441pi; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Charles Taylor vs. Wal-Mart Stores, Inc.. Filing fee $ 400, receipt number 113E-7167879. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A- State Court Pleadings)(Lessinger, Howard) (jaw). (Entered: 05/25/2017)	
1307	05/25/2017	CIVIL ACTION NO. 1:17-CV-1908-TCB 350 28:1441mv; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Sead Grabovica vs. Rock City Heavy Haul, Inc.. Filing fee $ 400, receipt number 113E-7168460. (Attachments: # 1 Appendix Complaint, # 2 Appendix notice of filing of removal, # 3 Civil Cover Sheet Civil Cover Sheet)(DeNapoli, Anthony) (jaw). (Entered: 05/25/2017)	
1308	05/25/2017	SUBMISSION of additional attachments re: 1307 ; 1:17-CV-1908-TCB. Case Initiating Documents-Notice of Removal,. (DeNapoli, Anthony) (jaw). (Entered: 05/25/2017)	
1309	05/25/2017	CIVIL ACTION NO. 1:17-CV-1909-SCJ 890 47:0227; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Bria Maddox vs. CBE Group, Inc.. Filing fee $ 400, receipt number 113E-7168957. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit State Court File)(Friedman, Rachel) (jaw). (Entered: 05/25/2017)	
1310	05/25/2017	CIVIL ACTION NO. 1:17-CV-1910-WSD 370 28:1332fr; THREE E-SUMMONS ISSUED RE: 1311 Case Initiating Documents-Complaint Harvey Prince Organics, Inc. vs. Michael Sullivan. Filing fee $ 400, receipt number 113E-7169115. (Perez-Matos, Cecelia) (jaw). (Entered: 05/25/2017)	
1311	05/25/2017	SUBMISSION of additional attachments re: 1310 ; 1:17-CV-1910-WSD. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint. (Attachments: # 1 Summons Defendant Jacqueline Sullivan, # 2 Summons Defendant Mary Decelles, # 3 Summons Defendant Michael Sullivan, # 4 Civil Cover Sheet)(Perez-Matos, Cecelia) (jaw). (Entered: 05/25/2017)	
1312	05/25/2017	CIVIL ACTION NO. 1:17-CV-1911-TCB 890 47:0227; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Erica Arndts vs. Navient Solutions, LLC. Filing fee $ 400, receipt number 113E-7169169. (Attachments: # 1 Civil Cover Sheet, # 2	

#	Date	Proceeding Text	Source
		Summons)(Douglas, Chaka) E-SUMMONS NOT ISSUED DUE TO OMISSION OF ATTY NAME AND ADDRESS INFORMATION FOR WHICH TO SERVE ANSWER OR MOTION ON PLAINTIFF'S ATTORNEY(jaw). (Entered: 05/25/2017)	
1313	05/25/2017	CIVIL ACTION NO. 1:17-CV-1912-AT 710 29:0216b; ONE E-Summons ISSUED. Case Initiating Documents-Complaint Brandon McDonald vs. ENCORE 3 MLM USA, LLC. Filing fee $ 400, receipt number 113E-7169200. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Vaughn, Christopher) (jaw). (Entered: 05/25/2017)	
1314	05/25/2017	CIVIL ACTION NO. 1:17-CV-1914-LMM 710 29:0216b; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint E'Lise Hensley vs. IDK, INC., d/b/a Club Babes. Filing fee $ 400, receipt number 113E-7169707. (Attachments: # 1 Civil Cover Sheet, # 2 Summons IDK, INC, # 3 Summons Eric Pechter)(Gardner, Jerilyn) (jaw). (Entered: 05/25/2017)	
1315	05/25/2017	CIVIL ACTION NO. 1:17-CV-1915-MHC AJB 290 15:1692; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Oni Roberts vs. Primestar Fund I TRS, Inc.. Filing fee $ 400, receipt number 113E-7169868. (Attachments: # 1 Exhibit "A" DeKalb County Superior Court Case, # 2 Exhibit "B" Tax Assessor's Record)(Gautam, Smita) (jaw). (Entered: 05/25/2017)	
1316	05/25/2017	TRO - IMMEDIATE HEARING REQUESTED CIVIL ACTION NO. 1:17-CV-1917-MHC 190 28:1332bc; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7170062. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate of Interested Persons and Corporate Disclosure Statement, # 4 Emergency Motion for Temporary Restraining Order and Preliminary Injunction, # 5 Brief In Support of Emergency Motion for Temporary Restraining Order and Preliminary Injunction, # 6 Declaration of Brian Abramski In Support of Emergency Motion for Temporary Restraining Order and Preliminary Injunction, # 7 Text of Proposed Order)(Wargo, Joseph) (jaw). (Entered: 05/25/2017)	
1317	05/25/2017	CIVIL ACTION NO. 1:17-CV-1918-ELR 710 29:0216b; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Avery Lee vs. Charles Hughes. Filing fee $ 400, receipt number 113E-7170073. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit 1, # 3 Exhibit 2, # 4 Exhibit 3, # 5 Exhibit 4, # 6 Exhibit 5, # 7 Exhibit 6)(Vaughn, Christopher) (jaw). (Entered: 05/25/2017)	
1318	05/25/2017	CIVIL ACTION NO. 1:17-cv-1919-RWS JSA 864 42:0405id. Case Initiating Documents-Complaint Larry Hudson vs. Commissioner of Social Security. Filing fee $ 400, receipt number 113E-7170241. (Attachments: # 1 Exhibit Appeals Council Denial Notice, # 2 Summons Attorney General, # 3 Summons Regional Chief Counsel, # 4 Summons U.S. Attorney, Northern District of Georgia)(Budde, Francis) Three (3) e-summons issued; NOTE: Civil Cover Sheet not attached; Atty. Budde contacted on 5/26/17 by akr and directed to submit in case assigned. (akr). (Entered: 05/25/2017)	
1319	05/25/2017	CIVIL ACTION NO. 1:17-cv-1920-TCB 465 08:1329. Case Initiating Documents-Complaint Chun Yu Lu vs. Kevin Riddle. Filing fee $ 400, receipt number 113E-7170320. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A- I-485 Receipt Notice, # 3 Exhibit B- I-130 Approval Notice, # 4 Exhibit C- Order of Immigration Judge Terminating Proceedings, # 5 Exhibit D- Correspondence from USCIS Atlanta Field Office, # 6 Summons for Kevin Riddle, # 7 Summons for John F. Kelly, # 8 Summons for James McCament, # 9 Summons for Jeff Sessions, # 10 Summons for John Horn)(Farris, Beryl) Five (5) e-summons issued.(akr).	

#	Date	Proceeding Text	Source
		(Entered: 05/25/2017)	
1320	05/25/2017	TRO - CIVIL ACTION NO. 1:17-cv-1922-RWS 190 28:1332bc. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7170373. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Pangborn, Susan) One (1) e-summons issued. (akr). (Entered: 05/25/2017)	
1321	05/26/2017	CIVIL ACTION NO. 1:17-cv-1923-SCJ WEJ 480 15:1681. Case Initiating Documents-Complaint Noah Christopher Martin and Renee T. Martin vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7170487. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) No e-summons issued. (akr). (Entered: 05/26/2017)	
1322	05/26/2017	CIVIL ACTION NO. 1:17-cv-1924-LMM RGV 480 15:1692. Case Initiating Documents-Complaint Emma Colon vs. Ray Klein, Inc. d/b/a Professional Credit Service. Filing fee $ 400, receipt number 113E-7170533. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) No e-summons issued. (akr). (Entered: 05/26/2017)	
1323	05/26/2017	CIVIL ACTION NO. 1:17-cv-1925-ELR JSA 480 15:1681. Case Initiating Documents-Complaint Roger L. Canada and Carolyn Cobb Canada vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7170551. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) No e-summons issued. (akr). (Entered: 05/26/2017)	
1324	05/26/2017	3:17-cv-73-TCB-RGV 371 15:1601 DOCUMENTS FILED IN INCORRECT DIVISION SHELL CASE. DOCUMENTS FORWARDED TO NEWNAN DIVISION ON 5/26/17 BY AKR.Case Initiating Documents-Notice of Removal, La Donna Benton vs. Homebridge Financial Services, Inc.. Filing fee $ 400, receipt number 113E-7171124. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Wright, Kimberly) (akr). (Entered: 05/26/2017)	
1325	05/26/2017	CIVIL ACTION NO. 1:17-cv-1929-ODE 440 28:1443. Case Initiating Documents-Notice of Removal, Jason Riddle vs. Georgia Department of Public Safety. Filing fee $ 400, receipt number 113E-7171276. (Attachments: # 1 State Documents, # 2 State Notice of Removal, # 3 State Answer, # 4 Civil Cover Sheet)(Hirsch, Michelle) No e-summons issued. (akr). (Entered: 05/26/2017)	
1326	05/26/2017	CIVIL ACTION NO. 1:17-cv-1931-ODE CMS 480 15:1681. Case Initiating Documents-Complaint Anthony Ivan Rayburn vs. Equifax Information Services, LLC. Filing fee $ 400, receipt number 113E-7171450. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Feagle, James) One (1) e-summons issued. (akr). (Entered: 05/26/2017)	
1327	05/26/2017	CIVIL ACTION NO. 1:17-cv-1933-LMM JFK 480 15:1681. Case Initiating Documents-Complaint Marie Jones vs. Equifax Information Services, LLC. Filing fee $ 400, receipt number 113E-7171512. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Feagle, James) One (1) e-summons issued. (akr). (Entered: 05/26/2017)	
1328	05/26/2017	CIVIL ACTION NO. 1:17-cv-1935-ELR CMS 863 42:0405ww. E-SUMMONS NOT ISSUED; SUMMONS WILL BE E-ISSUED BY DKT CLERK UPON IFP APPROVAL. Case Initiating Documents-Complaint Nico Jermaine Harrison, Jr. vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Civil Cover Sheet, # 5 Summons, # 6 Summons, # 7 Summons, # 8 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) (akr). (Entered: 05/26/2017)	
1329	05/26/2017	TRO - IMMEDIATE HEARING REQUESTED CIVIL ACTION NO.	

#	Date	Proceeding Text	Source
		1:17-CV-1936-WSD 840 28:1338tr. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7172525. (Attachments: # 1 Exhibit Compl Ex A1 Stella FA, # 2 Exhibit Compl Ex A2 Stella FA, # 3 Exhibit Compl Ex A3 Stella FA, # 4 Exhibit Compl Ex B Stella Guaranty, # 5 Exhibit Compl Ex C1 Freeway FA, # 6 Exhibit Compl Ex C2 Freeway FA, # 7 Exhibit Compl Ex D Freeway Guaranty, # 8 Exhibit Compl Ex E Stella Default, # 9 Exhibit Compl Ex F Stella Termination, # 10 Exhibit Compl Ex G Freeway Default, # 11 Exhibit Compl Ex H Freeway Termination, # 12 Exhibit Compl Ex I Cease & Desist, # 13 Civil Cover Sheet, # 14 Summons Defendant Sam Patel, # 15 Summons Defendant Petromax Oil, Inc., # 16 Brief Motion for TRO and Emergency Hearing, # 17 Brief Memorandum of Law in Support of TRO, # 18 Exhibit Br Ex 1 Terrell Declaration, # 19 Exhibit Br Ex 2 Thomas Declaration, # 20 Exhibit Br Ex 3 Starr Declaration, # 21 Exhibit Br Ex 4 Morales Declaration)(Treadwell, Trishanda)(smw). (Entered: 05/26/2017)	
1330	05/26/2017	TRO - IMMEDIATE HEARING REQUESTED CIVIL ACTION NO. 1:17-CV-1937-TCB 190 28:1332bc. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7172562. (Attachments: # 1 Exhibit A - Aero-Space Reports, # 2 Exhibit B - Priority Security Certificate, # 3 Exhibit C - Aircraft Purchase and Sale Agreement, # 4 Exhibit D - 01/25/17 Letter, # 5 Exhibit E - Email chain, # 6 Exhibit F - 04/01/17 Letter, # 7 Civil Cover Sheet, # 8 Summons, # 9 Summons)(Flake, Andrew)(smw). (Entered: 05/26/2017)	
1331	05/26/2017	CIVIL ACTION NO. 1:17-CV-1938-AT CMS 442 42:2000ot. ONE E-Summons ISSUED. Case Initiating Documents-Complaint Mahmoud Rashad vs. Fulton County, Georgia. Filing fee $ 400, receipt number 113E-7172617. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Sykes, Tamika)(smw). (Entered: 05/27/2017)	
1332	05/28/2017	CIVIL ACTION NO. 1:17-CV-1939-ODE WEJ 442 42:2000ra. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Maxine J. Gause vs. Micromeritics Instrument Corporation. Filing fee $ 400, receipt number 113E-7172645. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B, # 3 Exhibit Exhibit C, # 4 Civil Cover Sheet, # 5 Supplement Certificate of Interested Persons, # 6 Summons)(Reddy, K.)(smw). (Entered: 05/28/2017)	
1333	05/29/2017	CIVIL ACTION NO. 1:17-CV-1940-ODE 462 08:1446. SIX E-SUMMONS ISSUED. Case Initiating Documents-Complaint Youssef Moukhtari vs. John F. Kelly. Filing fee $ 400, receipt number 113E-7172690. (Attachments: # 1 Exhibit, # 2 Exhibit, # 3 Exhibit, # 4 Exhibit, # 5 Exhibit, # 6 Civil Cover Sheet, # 7 appearance of counsel, # 8 Summons, # 9 Summons, # 10 Summons, # 11 Summons, # 12 Summons, # 13 Summons)(Cohen, Marshall) (smw). Modified on 5/30/2017 (smw). (Entered: 05/29/2017)	
1334	05/29/2017	CIVIL ACTION NO. 1:17-CV-1941-RWS LTW 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Danielle Nyree Crawford vs. Equifax Information Services, LLC and Medical Data Systems, Inc. (Florida). Filing fee $ 400, receipt number 113E-7172699. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew)(smw). (Entered: 05/29/2017)	
1335	05/29/2017	CIVIL ACTION NO. 1:17-CV-1942-LMM WEJ 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Waldemar Rafael Vidal and Patria I. Vidal vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7172700. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew)(smw). (Entered: 05/29/2017)	

#	Date	Proceeding Text	Source
1336	05/30/2017	TRO - CIVIL ACTION NO. 1:17-CV-1943-AT 440 42:1983cv. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7172764. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Greenamyre, Zack)SUMMONS NOT E-ISSUED DUE TO OMISSION OF ATTY ADDRESS. SPOKE WITH ATTY ZACK GREENAMYRE ON 5/30/2017 TO SUBMIT THE SUMMONS ONCE THE CASE IS OPEN(smw). (Entered: 05/30/2017)	
1337	05/30/2017	CIVIL ACTION NO. 1:17-CV-1944-MHC 490 47:0551. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint J & J Sports Productions, Inc. vs. Taqueria Oaxaquena, Inc. d/b/a El Mesquite Restaurant & Nightclub. Filing fee $ 400, receipt number 113E-7173062. (Attachments: # 1 Civil Cover Sheet, # 2 Summons for Taqueria Oaxaquena, Inc., # 3 Summons for Lucio O. Cruz Ruiz, # 4 Certificate as to Interested Parties and Corporate Disclosure Statement)(Reemsnyder, Ronald)(smw). (Entered: 05/30/2017)	
1338	05/30/2017	CIVIL ACTION NO. 1:17-CV-1947-CAP RGV 445 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint VICKIE MAHAFFEY vs. BRUCE P. CROWLEY, MD, P.C.. Filing fee $ 400, receipt number 113E-7173571. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Roberts, Victor)(smw). (Entered: 05/30/2017)	
1339	05/30/2017	CIVIL ACTION NO. 1:17-CV-1949-TWT JSA 445 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint TONECESA BURTTON vs. WELLSTAR HEALTH SYSTEM, INC.. Filing fee $ 400, receipt number 113E-7173613. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons)(Martin, Thomas)(smw). (Entered: 05/30/2017)	
1340	05/30/2017	CIVIL ACTION NO. 1:17-CV-1952-ELR 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Deborah K. Edenfield vs. Wal-Mart Stores, Inc.. Filing fee $ 400, receipt number 113E-7173815. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - State Court Pleadings)(Lessinger, Howard)(smw). (Entered: 05/30/2017)	
1341	05/30/2017	CIVIL ACTION NO. 1:17-CV-1955-LMM 490 47:0551. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint J & J Sports Productions, Inc. vs. Michelle R. Bolden d/b/a Icon Lounge. Filing fee $ 400, receipt number 113E-7173911. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate as to Interested Parties and Corporate Disclosure Statement)(Reemsnyder, Ronald)(smw). (Entered: 05/30/2017)	
1342	05/30/2017	CIVIL ACTION NO. 1:17-CV-1956-RWS 446 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Brown, Yvonne vs. Big Lots Stores, Inc.. Filing fee $ 400, receipt number 113E-7173970. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Big Lots Stores, Inc., # 3 Summons as to Defendant GSA Plaza, LLC)(Ehrlich, Craig)(smw). (Entered: 05/30/2017)	
1343	05/30/2017	CIVIL ACTION NO. 1:17-CV-1957-TCB 446 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Blinkhorn, Jessica vs. Lakewood Prime LLC. Filing fee $ 400, receipt number 113E-7174236. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Lakewood Prime LLC, # 3 Summons as to Defendant Ankan Inc.)(Ehrlich, Craig)(smw). (Entered: 05/30/2017)	
1344	05/30/2017	CIVIL ACTION NO. 1:17-CV-1958-MHC 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Madaline Williams vs. CSX Transportation, Inc.. Filing	

#	Date	Proceeding Text	Source
		fee $ 400, receipt number 113E-7174306. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit A, # 3 Exhibit B)(Kappel, Brian)(smw). (Entered: 05/30/2017)	
1345	05/30/2017	CIVIL ACTION NO. 1:17-CV-1959-ELR JKL 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Norma J. Jones vs. Nancy A. Berryhill. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons, # 4 Summons, # 5 Application to Proceed In Forma Pauperis)(Klob, Timothy) SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 05/30/2017)	
1346	05/30/2017	CIVIL ACTION NO. 1:17-CV-1960-CAP 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Travis Hill vs. Forward Air, Inc.. Filing fee $ 400, receipt number 113E-7174804. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Summons and Complaint, # 3 Exhibit Answer of FAF, Inc.)(Arndt, Patrick)(smw). (Entered: 05/30/2017)	
1347	05/30/2017	CIVIL ACTION NO. 1:17-CV-1962-MHC 830 28:1338pt. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint John McGoogan vs. Decky Co., Inc.. Filing fee $ 400, receipt number 113E-7175486. (Attachments: # 1 Exhibit Exhibit 1, # 2 Exhibit Exhibit 2, # 3 Exhibit Exhibit 3, # 4 Exhibit Exhibit 4, # 5 Civil Cover Sheet, # 6 Summons)(Crumly, Jonathan)(smw). (Entered: 05/30/2017)	
1348	05/30/2017	CIVIL ACTION NO. 1:17-CV-1963-LMM 870 26:7422; THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint William R. Collins vs. United States of America by and through the Commissioner of Internal Revenue. Filing fee $ 400, receipt number 113E-7175842. (Attachments: # 1 Exhibit A Part 1 Plaintiff's Form 1040X, # 2 Exhibit A Part 2 Plaintiff's Form 1040X, # 3 Exhibit A Part 3 Plaintiff's Form 1040X, # 4 Exhibit A Part 4 Plaintiff's Form 1040X, # 5 Exhibit B Denial Letter, # 6 Summons Office of the Attorney General, # 7 Summons United States Attorney's Office, # 8 Summons Commissioner of Internal Revenue, # 9 Civil Cover Sheet)(Aughtry, David) (jaw). (Entered: 05/30/2017)	
1349	05/30/2017	CIVIL ACTION NO. 1:17-CV-1965-MHC 710 29:0216b; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Calvin Gibson vs. Wash Box, LLC. Filing fee $ 400, receipt number 113E-7175892. (Attachments: # 1 Exhibit Ex. A, # 2 Exhibit Ex. B, # 3 Civil Cover Sheet Civil Cover Sheet, # 4 Summons Summons to Wash Box, LLC, # 5 Summons Summons to Francis)(Wein, Michelle) (jaw). (Entered: 05/30/2017)	
1350	05/30/2017	CIVIL ACTION NO. 1:17-CV-1966-ELR 462 08:1446; SIX E-SUMMONS ISSUED. Case Initiating Documents-Complaint Csongor vs. John F. Kelly. Filing fee $ 400, receipt number 113E-7175913. (Attachments: # 1 Exhibit, # 2 Exhibit, # 3 Exhibit, # 4 Exhibit, # 5 Exhibit, # 6 Exhibit, # 7 Exhibit, # 8 Civil Cover Sheet, # 9 appearance of counsel, # 10 Summons, # 11 Summons, # 12 Summons, # 13 Summons, # 14 Summons, # 15 Summons)(Cohen, Marshall) (jaw). (Entered: 05/30/2017)	
1351	05/30/2017	CIVIL ACTION NO. 1:17-CV-1968-CAP JSA 480 15:1692; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jacquelyn Denise Dodson vs. NCC Business Services, Inc.,. Filing fee $ 400, receipt number 113E-7175973. (Attachments: # 1 Civil Cover Sheet)(Berry, Caitlin) (jaw). (Entered: 05/30/2017)	
1352	05/31/2017	CIVIL ACTION NO. 1:17-CV-1969-RWS JCF 480 15:1692; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Sunny O. Ekokotu vs. Discover Bank. Filing fee $ 400,	

#	Date	Proceeding Text	Source
		receipt number 113E-7176236. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Fiorilla, Louis) (jaw). (Entered: 05/31/2017)	
1353	05/31/2017	MISCELLANEOUS CASE NO. 1:17-MI-0045-CC RGV 890 frcp45b; NO E-SUMMONS ISSUED. Case Initiating Documents-Miscellaneous (Motion to Quash), XPRESSPA HOLDINGS, LLC vs. KEVIN ROSS. Filing fee $ 47, receipt number 113E-7176675. (Attachments: # 1 Brief in Support of Motion to Quash, # 2 Exhibit Exhibit A to Brief, # 3 Exhibit Exhibit B to Brief, # 4 Affidavit Declaration in Support of Motion to Quash, # 5 Exhibit Exhibit A to Declaration, # 6 Exhibit Exhibit B to Declaration, # 7 Exhibit Exhibit C to Declaration, # 8 Exhibit Exhibit D to Declaration, # 9 Exhibit Exhibit E to Declaration, # 10 Exhibit Exhibit F to Declaration, # 11 Exhibit Exhibit G to Declaration, # 12 Exhibit Exhibit H to Declaration, # 13 Exhibit Exhibit I to Declaration, # 14 Exhibit Exhibit J to Declaration, # 15 Exhibit Exhibit K to Declaration, # 16 Civil Cover Sheet)(Gebo, Carl) (jaw). (Entered: 05/31/2017)	
1354	05/31/2017	CIVIL ACTION NO. 1:17-CV-1972-WSD 360 28:1441pi; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, SUZANNE STEVENS vs. PUBLIX SUPER MARKETS, INC.. Filing fee $ 400, receipt number 113E-7177117. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Exhibit G, # 8 Exhibit H, # 9 Exhibit I, # 10 Exhibit J, # 11 Exhibit K, # 12 Exhibit L, # 13 Exhibit M, # 14 Exhibit N, # 15 Exhibit O, # 16 Exhibit P, # 17 Exhibit Q, # 18 Exhibit R, # 19 Exhibit S, # 20 Civil Cover Sheet)(Brown, Richard) (jaw). (Entered: 05/31/2017)	
1355	05/31/2017	CIVIL ACTION NO. 1:17-CV-1975-LMM JKL 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Nathan Button and Valencia Button vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7177659. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 05/31/2017)	
1356	05/31/2017	CIVIL ACTION NO. 1:17-CV-1976-RWS JFK 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint David Brian Cantrell and Tiffany V. Cantrell vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7177683. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 05/31/2017)	
1357	05/31/2017	CIVIL ACTION NO. 1:17-CV-1977-WSD 890 47:0227; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Duane Nichols vs. Navient Solutions, LLC. Filing fee $ 400, receipt number 113E-7177885. (Attachments: # 1 Exhibit A - Non-Exclusive Call Log, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Summons Summons to be Issued)(Gomez, Octavio) (jaw). (Entered: 05/31/2017)	
1358	05/31/2017	CIVIL ACTION NO. 1:17-CV-1979-SCJ 190 28:1441bc; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Developers Surety & Indemnity Company vs. Carothers Construction, Inc.. Filing fee $ 400, receipt number 113E-7178793. (Attachments: # 1 Exhibit, # 2 Exhibit, # 3 Civil Cover Sheet)(Murdock, Daniel) (jaw). (Entered: 05/31/2017)	
1359	05/31/2017	CIVIL ACTION NO. 1:17-cv-1980-MHC AJB 751 29:2601. Case Initiating Documents-Complaint Viana Richards vs. Zelis Network Solutions, LLC. Filing fee $ 400, receipt number 113E-7179450. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Klepper, Gabrielle) One (1) e-summons issued. (akr). (Entered: 05/31/2017)	
1360	05/31/2017	CIVIL ACTION NO. 1:17-cv-1981-ELR WEJ 442 29:0626. Case Initiating Documents-Complaint Charles W. Snelling vs. Kraton Corp.. Filing fee $ 400, receipt number 113E-7179581.	

#	Date	Proceeding Text	Source
		(Attachments: # 1 Civil Cover Sheet, # 2 Affidavit Verification of Complaint, # 3 Exhibit Exhibit 1, 2011 Employment and Exit Agreement, # 4 Exhibit Exhibit 2, 2015 Employment and Exit Agreement, # 5 Exhibit Exhibit 3, EEOC Notice of Rights, # 6 Summons Notice and Request to Waive Service of Summons)(Helmreich, Dennis) No e-summons issued. (akr). (Entered: 05/31/2017)	
1361	05/31/2017	CIVIL ACTION NO. 1:17-cv-1982-CAP 320 28:1332lb. Case Initiating Documents-Complaint Daniel Chigbu Jason vs. Emeka Onuoha. Filing fee $ 400, receipt number 113E-7179613. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons for Defendant 1, # 3 Summons Summons for Defendant 2)(Jason, Daniel) Two (2) e-summons issued. (akr). (Entered: 05/31/2017)	
1362	05/31/2017	CIVIL ACTION NO. 17-cv-1983-MHC 160 28:1332ss. Case Initiating Documents-Complaint Judy Mesirov vs. Thomas A. Fanning. Filing fee $ 400, receipt number 113E-7179653. (Attachments: # 1 Civil Cover Sheet, # 2 Summons to Thomas A. Fanning, # 3 Summons to Art P. Beattie, # 4 Summons to Donald M. James, # 5 Summons to Juanita Powell Baranco, # 6 Summons to William G. Smith, Jr., # 7 Summons to John A. Boscia, # 8 Summons to Warren A. Hood, Jr., # 9 Summons to Veronica M. Hagen, # 10 Summons to Henry A. Clark, III, # 11 Summons to Steven R. Specker, # 12 Summons to Larry D. Thompson, # 13 Summons to Dale E. Klein, # 14 Summons to E. Jenner Wood, III, # 15 Summons to David J. Grain, # 16 Summons to Linda P. Hudson, # 17 Summons to John D. Johns, # 18 Summons to Edward Day, VI, # 19 Summons to G. Edison Holland, Jr., # 20 Summons to H. William Habermeyer, Jr., # 21 Summons to The Southern Company)(Fistel, Michael) Nineteen (19) e-summons issued. (akr). (Entered: 05/31/2017)	
1363	05/31/2017	CIVIL ACTION NO. 1:17-cv-1983-MHC. SUBMISSION of additional attachments re: 1362 Case Initiating Documents-Complaint. (Fistel, Michael) (akr). (Entered: 05/31/2017)	
1364	05/31/2017	CIVIL ACTION NO. 1:17-cv-1985-RWS 440 42:1983cv. Case Initiating Documents-Complaint Arick Whitson vs. City of Stockbridge, Georgia. Filing fee $ 400, receipt number 113E-7179709. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Defendant City of Stockbridge, Georgia, # 3 Summons Defendant Elton Alexander)(Wiley, LaTonya) Two (2) e-summons issued. (akr). (Entered: 05/31/2017)	
1365	06/01/2017	CIVIL ACTION NO. 1:17-cv-1986-TCB LTW 480 15:1681. Case Initiating Documents-Complaint Eliska Patrice Smith vs. Equifax Information Services, LLC and Experian Information Solutions, Inc.. Filing fee $ 400, receipt number 113E-7179794. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam) No e-summons issued. (akr). (Entered: 06/01/2017)	
1366	06/01/2017	CIVIL ACTION NO. 1:17-cv-1987-TCB WEJ 480 15:1681. Case Initiating Documents-Complaint Shauna Nikiya Williams vs. Equifax Information Services, LLC and Medical Data Systems, Inc. (Florida). Filing fee $ 400, receipt number 113E-7179806. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam) No e-summons issued. (akr). (Entered: 06/01/2017)	
1367	06/01/2017	CIVIL ACTION NO. 1:17-cv-1988-CAP 446 42:12101. Case Initiating Documents-Complaint Marcus Ingram vs. Dewy Rose Partnership, LLC. Filing fee $ 400, receipt number 113E-7180868. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Monismith, Pete) One (1) e-summons issued. (akr). (Entered: 06/01/2017)	
1368	06/01/2017	CIVIL ACTION NO. 1:17-cv-1989-AT 190 28:1332bc. Case	

#	Date	Proceeding Text	Source
		Initiating Documents-Complaint ACF FINCO I LP vs. COLUMBUS NOVA INVESTMENTS IV, LTD.. Filing fee $ 400, receipt number 113E-7180946. (Attachments: # 1 Exhibit A - 4.14.14 Guaranty, # 2 Exhibit B - Nov 2014 First Amendment to Guaranty, # 3 Exhibit C - 5.26.15 Irrevocable Standby Letter of Credit, # 4 Exhibit D - 11.26.15 Irrevocable Standby Letter of Credit, # 5 Exhibit E - 5.3.17 Demand Letter, # 6 Summons, # 7 Civil Cover Sheet)(Laddin, Darryl) One (1) e-summons issued. (akr). (Entered: 06/01/2017)	
1369	06/01/2017	CIVIL ACTION NO. 1:17-cv-1991-SCJ JSA 863 42:0405wc. Case Initiating Documents-Complaint HADZIJA PEHLIC vs. NANCY A. BERRYHILL, Acting Commr of Social Security. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Motion to waive filing fees, # 3 Affidavit In Support of Motion to waive filing fees, # 4 Summons Attorney Gen, # 5 Summons Defendant, c/o OGC, # 6 Summons U.S. Atty)(Hogan, John) E-summons not issued; summons will be e-issued by dkt clerk upon IFP approval. (akr). (Entered: 06/01/2017)	
1370	06/01/2017	CIVIL ACTION NO. 1:17-cv-1992-TWT 446 42:12101. Case Initiating Documents-Complaint Marcus Ingram vs. MONTCLAIR SEABOARD, LLC. Filing fee $ 400, receipt number 113E-7181074. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Monismith, Pete) One (1) e-summons issued. (akr). (Entered: 06/01/2017)	
1371	06/01/2017	CIVIL ACTION NO. 1:17-cv-1993-ELR 350 28:1441mv. Case Initiating Documents-Notice of Removal, Thomas Sanders vs. James Merkel. Filing fee $ 400, receipt number 113E-7181208. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Complaint & Summons, # 3 Exhibit B - Annett d/b/a TMC's Answer & Defenses, # 4 Exhibit C - Hudson's Answer & Defenses, # 5 Exhibit D - Merkel's Answer & Defenses, # 6 Exhibit E - Defendants' Jury Demand, # 7 Defendants' Corporate Disclosure Statement and Certificate of Interested Persons)(Reeves, Kimberly) No e-summons issued. (akr). (Entered: 06/01/2017)	
1372	06/01/2017	CIVIL ACTION NO. 1:17-cv-1994-RWS 710 29:0216b. Case Initiating Documents-Complaint JOHN SOUTHERLAND vs. KIRKS HOME IMPROVEMENTS, INC.. Filing fee $ 400, receipt number 113E-7181453. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Kirk's Home Improvements)(Roberts, Victor) One (1) e-summons issued. (akr). (Entered: 06/01/2017)	
1373	06/01/2017	CIVIL ACTION NO. 1:17-cv-1995-CC 360 28:1441pi. Case Initiating Documents-Notice of Removal, Mamie Gross vs. The Kroger Co.. Filing fee $ 400, receipt number 113E-7181500. (Attachments: # 1 Exhibit Exhibit A to Petition for Removal, # 2 Exhibit Exhibit B to Petition for Removal, # 3 Civil Cover Sheet Civil Cover Sheet, # 4 Supplement Answer and Defenses of Defendant The Kroger Co., # 5 Supplement Demand for Trial by Jury, # 6 Supplement Certificate of Interested Persons and Corporate Disclosure Statement)(Bedford, Nicholas) No e-summons issued. (akr). (Entered: 06/01/2017)	
1374	06/01/2017	3:17-cv-75-TCB 710 29:0201 DOCUMENTS FILED IN INCORRECT DIVISION SHELL CASE. DOCUMENTS FORWARDED TO NEWNAN DIVISION ON 6/1/17 BY AKR. Case Initiating Documents-Complaint PATRICK BONNER vs. BARNES MOVING & STORAGE) CO., INC., d/b/a BARNES VAN LINES. Filing fee $ 400, receipt number 113E-7181562. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Benjamin, Mitchell) (akr). Modified on 6/1/2017 (rsh). (Entered: 06/01/2017)	

#	Date	Proceeding Text	Source
1375	06/01/2017	CIVIL ACTION NO. 1:17-cv-1996-RWS 446 42:12101. Case Initiating Documents-Complaint Holt, Dakota vs. UTF Bankhead L.L.C.. Filing fee $ 400, receipt number 113E-7181721. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant UTF Bankhead L.L.C.)(Ehrlich, Craig) One (1) e-summons issued. (akr). (Entered: 06/01/2017)	
1376	06/01/2017	CIVIL ACTION NO. 1:17-cv-1997-WSD 710 29:0216b. Case Initiating Documents-Complaint Steven Segrave vs. AGCO, Inc.. Filing fee $ 400, receipt number 113E-7181760. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Martin, Thomas) One (1) e-summons issued. (akr). (Entered: 06/01/2017)	
1377	06/01/2017	CIVIL ACTION NO. 1:17-cv-1998-AT 625 21:0881. Case Initiating Documents-Complaint United States Of America vs. 2010 Audi Q5, VIN WA1LKAFP8AA038700. No payment received. (Attachments: # 1 Civil Cover Sheet)(Brown, Michael) No e-summons issued. (akr). (Entered: 06/01/2017)	
1378	06/01/2017	CIVIL ACTION NO. 1:17-cv-1999-SCJ 110 28:1441in. Case Initiating Documents-Notice of Removal, Hampton Place Condo Association c/o: Liberty Community Management In vs. Home-Owners Insurance Company. Filing fee $ 400, receipt number 113E-7181984. (Attachments: # 1 Exhibit Part 1, # 2 Exhibit Part 2, # 3 Exhibit Part 3, # 4 Civil Cover Sheet Civil Cover Sheet)(Phillips, Jessica) No e-summons issued. (akr). (Entered: 06/01/2017)	
1379	06/01/2017	TRO - IMMEDIATE HEARING REQUESTED CIVIL ACTION NO. 1:17-cv-2000-LMM 448 42:12101. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7182130. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Ehrlich, Craig) One (1) e-summons issued. (akr). (Entered: 06/01/2017)	
1380	06/01/2017	CIVIL ACTION NO. 1:17-cv-2001-SCJ 110 28:2201in. Case Initiating Documents-Complaint Southern Insurance Company of Virginia vs. Traci Ethridge. Filing fee $ 400, receipt number 113E-7182038. (Attachments: # 1 Exhibit Exhibit A - UL-Complaint, # 2 Exhibit Exhibit B - CGL Policy_Part1, # 3 Exhibit Exhibit B - CGL Policy_Part2, # 4 Exhibit Exhibit B - CGL Policy_Part3, # 5 Exhibit Exhibit B - CGL Policy_Part4, # 6 Exhibit Exhibit B - CGL Policy_Part5, # 7 Exhibit Exhibit B - CGL Policy_Part6, # 8 Exhibit Exhibit C - ROR letter - CGL policy, # 9 Exhibit Exhibit D - Umbrella Policy_Part1, # 10 Exhibit Exhibit D - Umbrella Policy_Part2, # 11 Exhibit Exhibit E - ROR letter - Umbrella policy, # 12 Exhibit Exhibit F - Employers Liability Policy, # 13 Exhibit Exhibit G - ROR letter - W.C. policy, # 14 Exhibit Exhibit H - Auto Policy_Part1, # 15 Exhibit Exhibit H - Auto Policy_Part2, # 16 Exhibit Exhibit I - ROR letter - Auto policy, # 17 Civil Cover Sheet Civil Cover Sheet, # 18 Summons Summons - Cool Tech HVAC, Inc., # 19 Summons Summons - Employee Benefits Plan for Cool Tech HVAC, Inc., # 20 Summons Summons - Linda Slayden, # 21 Summons Summons - Preston W. Slayden, Sr., # 22 Summons Summons - Traci Ethridge)(Abt, Ellen) Five (5) e-summons issued. (akr). (Entered: 06/01/2017)	
1381	06/01/2017	CIVIL ACTION NO. 1:17-cv-2002-MHC 110 28:1441in. Case Initiating Documents-Notice of Removal, TED BROGDON, individually and as Administratrix of the Estate of Helen D. Brogdon vs. TRANSAMERICA PREMIER LIFE INSURANCE COMPANY. Filing fee $ 400, receipt number 113E-7182187. (Attachments: # 1 Exhibit A - Complaint, # 2 Exhibit B - Notice of Removal (Fulton State Court), # 3 Civil Cover Sheet)(Carter, H.) No e-summons issued. (akr). (Entered: 06/01/2017)	
1382	06/01/2017	TRO - CIVIL ACTION NO.1:17-CV-2003-SCJ 290 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of	

#	Date	Proceeding Text	Source
		Removal. Filing fee $ 400, receipt number 113E-7182830. (Attachments: # 1 Exhibit State Court Pleadings, # 2 Exhibit Consent to Removal, # 3 Supplement Cert of Interested Partes, # 4 Civil Cover Sheet Civil Cover Sheet)(Mendel, Jarrod)(smw). (Entered: 06/01/2017)	
1383	06/01/2017	CIVIL ACTION NO. 1:17-CV-2004-ODE RGV 442 42:2000sx. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Stephanie Borrillo vs. Benchmark Human Services of Georgia LLC. Filing fee $ 400, receipt number 113E-7183033. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Sharman,Paul)(smw). (Entered: 06/01/2017)	
1384	06/01/2017	CIVIL ACTION NO. 1:17-CV-2005-CC JSA 442 29:0626. ONE E-SUMMON ISSUED. Case Initiating Documents-Complaint Pamela Hodogbey vs. Jones, Lang, LaSalle Americas, Inc.. Filing fee $ 400, receipt number 113E-7183003. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Billips, Matthew)(smw). (Entered: 06/01/2017)	
1385	06/01/2017	CIVIL ACTION NO. 1:17-CV-2006-ELR 110 28:2201in. SIX E-SUMMONS ISSUED. Case Initiating Documents-Complaint CASTLE HABITATIONAL PROPERTIES, LLC vs. INDIAN HARBOR INSURANCE COMPANY D/B/A XL CATLIN. Filing fee $ 400, receipt number 113E-7183138. (Attachments: # 1 Exhibit A: VeriClaim, Inc. Schedule of Insurance and Apportionment of Claim, # 2 Summons Indian Harbor, # 3 Summons Lloyd's 1, # 4 Summons Lloyd's 2, # 5 Summons Lloyd's 3, # 6 Summons Interstate, # 7 Summons Evanston)(Vinson, Nicole)(smw). (Entered: 06/01/2017)	
1386	06/02/2017	CIVIL ACTION NO. 1:17-CV-2008-WSD 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Angela Thacker vs. Wal-Mart Stores East, Inc.. Filing fee $ 400, receipt number 113E-7183230. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - State Court Pleadings)(Lessinger, Howard)(smw). (Entered: 06/02/2017)	
1387	06/02/2017	CIVIL ACTION NO. 1:17-CV-2009-AT 490 47:0551. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint J & J Sports Productions, Inc. vs. Alicia F. Jafarie a/k/a Alicia Jafarie Graham d/b/a Cave Wings & Fries. Filing fee $ 400, receipt number 113E-7183473. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate as to Interested Parties and Corporate Disclosure Statement)(Reemsnyder, Ronald)(smw). (Entered: 06/02/2017)	
1388	06/02/2017	CIVIL ACTION NO. 1:17-CV-2010-LMM 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Christine Battle vs. Wal-Mart Stores East, LP. Filing fee $ 400, receipt number 113E-7183562. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Demand, # 3 Exhibit B - State Court Pleadings)(Lessinger, Howard)(smw). (Entered: 06/02/2017)	
1389	06/02/2017	CIVIL ACTION NO. 1:17-CV-2011-WSD JCF 445 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tamecia Simpson vs. Bankers Financial Corporation. Filing fee $ 400, receipt number 113E-7183811. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Lakraj, Adeash) (smw). (Entered: 06/02/2017)	
1390	06/02/2017	CIVIL ACTION NO. 1:17-CV-2012-MHC 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Darren Saunders vs. QuikTrip. Filing fee $ 400, receipt number 113E-7184094. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Civil Cover Sheet, # 6 Exhibit Answer of QuikTrip, # 7 Exhibit Answer of QuikTrip	

#	Date	Proceeding Text	Source
		Corporation)(Hurley, Kathleen)(smw). (Entered: 06/02/2017)	
1391	06/02/2017	DOCUMENT FILED IN INCORRECT DIVISION SPOKE WITH ATTY LESLIE SUSON AND INFORMED HER THAT THE CASE WOULD NOT BE OPEN AND TO GO ONLINE TO REQUEST A REFUND. Case Initiating Documents-Notice of Removal, Roger H. Bullock vs. Sedgwick Claims Management Services, Inc., et al.. Filing fee $ 400, receipt number 113E-7184154. (Attachments: # 1 Exhibit "A", # 2 Exhibit "B", # 3 Civil Cover Sheet)(Suson, Leslie) (smw). (Entered: 06/02/2017)	
1392	06/02/2017	CIVIL ACTION NO. 1:17-CV-2013-ELR 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint JUDAH IZSRAAEL vs. BYRIDER FINANCE, LLC D/B/A CARNOW ACCEPTANCE COMPANY A/K/A CNAC. Filing fee $ 400, receipt number 113E-7184208. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Gomez, Octavio)(smw). (Entered: 06/02/2017)	
1393	06/02/2017	TRO - CIVIL ACTION NO. 1:17-CV-2014-LMM 220 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal. Filing fee $ 400, receipt number 113E-7184187. (Attachments: # 1 Civil Cover Sheet)(Olson, Frank)(smw). (Entered: 06/02/2017)	
1394	06/02/2017	CIVIL ACTION NO. 1:17-CV-2015-MHC 820 28:1338cp. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Valentino S.p.A. vs. Steve Madden, Ltd.. Filing fee $ 400, receipt number 113E-7184233. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Exhibit A, # 3 Exhibit Exhibit B, # 4 Exhibit Exhibit C, # 5 Exhibit Exhibit D, # 6 Summons)(Lee, Rebecca)(smw). (Entered: 06/02/2017)	
1395	06/02/2017	MISCELLANEOUS ACTION NO. 1:17-MI-0048-ODE JSA 890 frcp45b. Case Initiating Documents-Miscellaneous (Motion to Quash). Filing fee $ 47, receipt number 113E-7184244. (Attachments: # 1 Civil Cover Sheet)(Bost, William)(smw). (Entered: 06/02/2017)	
1396	06/02/2017	CIVIL ACTION NO. 1:17-CV-2018-TWT LTW 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Christopher Frye vs. Social Security Administration, Nancy A. Berryhill, Comm'r of SSA. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons #1, # 3 Summons #2, # 4 Summons #3)(Jackson, Forrest)SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL. IFP IS ADD INTO SUBMISSION 1397(smw). (Entered: 06/02/2017)	
1397	06/02/2017	CIVIL ACTION NO. 1:17-CV-2018. SUBMISSION of additional attachments re: 1396 Case Initiating Documents-Complaint,. (Attachments: # 1 Exhibit Application to Proceed in District Court Without Prepaying Fees or Costs (Short Form))(Jackson, Forrest) Modified on 6/2/2017 (smw). (Entered: 06/02/2017)	
1398	06/02/2017	CIVIL ACTION NO. 1:17-CV-2019-TCB 446 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Futch, Thomas H. vs. Hoover Foods Incorporated. Filing fee $ 400, receipt number 113E-7184599. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Hoover Foods Incorporated, # 3 Summons as to Defendant Zenith Investments, Inc.)(Ehrlich, Craig)(smw). (Entered: 06/02/2017)	
1399	06/02/2017	CIVIL ACTION NO. 1:17-CV-2020-CC 190 28:1332bc. SIX E-SUMMONS ISSUED. Case Initiating Documents-Complaint State Automobile Mutual Insurance Company vs. Scott and Sons Holdings, LLC. Filing fee $ 400, receipt number 113E-7184949. (Attachments: # 1 Exhibit A - Indemnity Agreement, # 2 Exhibit B - Indemnity Demand, # 3 Civil Cover Sheet, # 4 Summons - Scott	

#	Date	Proceeding Text	Source
		and Sons Holdings, LLC, # 5 Summons - Jerome Scott, # 6 Summons - Kashka Scott, # 7 Summons - Precious Anderson, # 8 Summons - Adrienne Scott, # 9 Summons - Michael Young, # 10 Certificate of Interested Persons and Corporate Disclosure Statement)(Harris, David)(smw). (Entered: 06/02/2017)	
1400	06/02/2017	CIVIL ACTION NO. 1:17-CV-2022-RWS 350 28:1441mv; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Michael Bivins vs. Gary M. Ellington. Filing fee $ 400, receipt number 113E-7185533. (Attachments: # 1 Exhibit Exhibits A - K, # 2 Civil Cover Sheet Civil Cover Sheet)(Denney, Charles) (jaw). (Entered: 06/02/2017)	
1401	06/02/2017	CIVIL ACTION NO. 1:17-CV-2023-AT 160 28:1441st; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, EMT Properties, Inc. Profit Sharing Plan vs. Carolina Financial Corporation. Filing fee $ 400, receipt number 113E-7185600. (Attachments: # 1 Exhibit, # 2 Exhibit, # 3 Exhibit, # 4 Declaration of Joseph A. White, # 5 Civil Cover Sheet, # 6 Notice of Filing - Superior Court Documents)(White, Joseph) (jaw). (Entered: 06/02/2017)	
1402	06/02/2017	CIVIL ACTION NO. 1:17-CV-2025-AT CMS 442 29:0626; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Beverly McBrayer vs. ADP TotalSource Services, Inc.. Filing fee $ 400, receipt number 113E-7185896. (Attachments: # 1 Civil Cover Sheet)(Carter, Meredith) (jaw). (Entered: 06/02/2017)	
1403	06/03/2017	INJ CIVIL ACTION NO. 1:17-CV-2026-ELR 190 28:1441bc; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Hancock Roofing & Construction, LLC vs. Fenn Allen. Filing fee $ 400, receipt number 113E-7185961. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D)(Grayson, Randall) (jaw). (Entered: 06/03/2017)	
1404	06/03/2017	SUBMISSION of additional attachments re: 1403 ; CIVIL ACTION NO. 1:17-CV-2026-ELR; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal,. (Attachments: # 1 Exhibit Exhibit A part 2, # 2 Exhibit Exhibit A part 3, # 3 Exhibit Exhibit A part 4, # 4 Exhibit Exhibit A part 5, # 5 Exhibit Exhibit A part 6, # 6 Exhibit Exhibit A part 7, # 7 Exhibit Exhibit A part 8, # 8 Exhibit Exhibit A part 9, # 9 Exhibit Exhibit A part 10, # 10 Exhibit Exhibit A part 11, # 11 Exhibit Exhibit A part 12, # 12 Exhibit Exhibit A part 13, # 13 Exhibit Exhibit A part 14, # 14 Exhibit Exhibit A part 15, # 15 Exhibit Exhibit A part 16, # 16 Exhibit Exhibit A part 17, # 17 Exhibit Exhibit A part 18, # 18 Exhibit Exhibit a part 19)(Grayson, Randall) (jaw). (Entered: 06/03/2017)	
1405	06/03/2017	CIVIL ACTION NO. 1:17-CV-2027-ODE 710 29:0216b; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Taryn Hanson vs. OSJ Logistics, LLC. Filing fee $ 400, receipt number 113E-7185977. (Attachments: # 1 Civil Cover Sheet, # 2 Summons OSJ Logistics, LLC, # 3 Summons Stephen Jakse)(Irvin, Alexander) (jaw). (Entered: 06/03/2017)	
1406	06/05/2017	CIVIL ACTION NO. 1:17-CV-2028-CAP AJB 863 42:0405ww; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Chanekia Selisia Hoard vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 06/05/2017)	
1407	06/05/2017	CIVIL ACTION NO. 1:17-CV-2031-SCJ AJB 220 28:1444; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of	

#	Date	Proceeding Text	Source
		Removal, William H. Annen vs. Bank of America, N.A.. Filing fee $ 400, receipt number 113E-7186891. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Civil Cover Sheet)(Anderson, Keith) (jaw). (Entered: 06/05/2017)	
1408	06/05/2017	CIVIL ACTION NO. 1:17-CV-2036-SCJ JKL 442 42:2000ra; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Janet Brown-Howard vs. Gwinnett County School District. Filing fee $ 400, receipt number 113E-7187256. (Attachments: # 1 Exhibit, # 2 Exhibit, # 3 Exhibit, # 4 Exhibit, # 5 Civil Cover Sheet, # 6 Summons)(Brown, Kristine) (jaw). (Entered: 06/05/2017)	
1409	06/05/2017	CASE INITIATING DOCUMENTS PROCESSED AT RE: 1410 . Case Initiating Documents-Notice of Removal, Summer Vaughn vs. Heartland Heathcare. No payment received. (Davis, Chandra) (jaw). (Entered: 06/05/2017)	
1410	06/05/2017	CIVIL ACTION NO. 1:17-CV-2038-MHC JFK 442 42:2000sx; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Summer Vaughn vs. Heartland Heathcare. Filing fee $ 400, receipt number 113E-7187516. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit)(Davis, Chandra) (jaw). (Entered: 06/05/2017)	
1411	06/05/2017	CIVIL ACTION NO. 1:17-CV-2039-CC 490 47:0551; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint J & J Sports Productions, Inc. vs. JaConna Sowell d/b/a Dream Restaurant & Sports Bar. Filing fee $ 400, receipt number 113E-7187997. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate as to Interested Parties and Corporate Disclosure Statement)(Reemsnyder, Ronald) (jaw). (Entered: 06/05/2017)	
1412	06/05/2017	CIVIL ACTION NO. 1:17-CV-2042-CC 490 47:0551; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint J & J Sports Productions, Inc. vs. El Coyote Smyrna, LLC d/b/a Mariscos Sazon Del Kora a/k/a El Coyote. Filing fee $ 400, receipt number 113E-7188011. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate as to Interested Parties and Corporate Disclosure Statement)(Reemsnyder, Ronald) (jaw). (Entered: 06/05/2017)	
1413	06/05/2017	CIVIL ACTION NO. 1:17-CV-2045-WSD 190 15:2301; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Matthew Myers vs. Monsanto Company. Filing fee $ 400, receipt number 113E-7188466. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Anderson, Michael) (jaw). (Entered: 06/05/2017)	
1414	06/05/2017	CIVIL ACTION NO. 1:17-CV-2046-LMM 440 42:1983cv; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sharon Booker vs. Michael Thurmond. Filing fee $ 400, receipt number 113E-7188127. (Palazzola, Christopher) (jaw). (Entered: 06/05/2017)	
1415	06/05/2017	CIVIL ACTION NO. 1:17-cv-2047-ODE 710 29:0216b. Case Initiating Documents-Complaint Matthew Charron vs. National Parking Solutions, LLC d/b/a National Parking Solutions - South, LLC. Filing fee $ 400, receipt number 113E-7188705. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to National Parking Solutions, LLC, # 3 Summons as to Marc Ebersole)(Leach, Carlos) Two (2) e-summons issued. (akr). (Entered: 06/05/2017)	
1416	06/05/2017	CIVIL ACTION NO. 1:17-cv-2048-CAP 110 28:2201in. Case Initiating Documents-Complaint Nautilus Insurance Company vs. The EJIII Development Company f/k/a The Jackson Growth Company. Filing fee $ 400, receipt number 113E-7188762. (Attachments: # 1 Exhibit A - Underlying Complaint, # 2 Exhibit B - Insurance Policy, # 3 Exhibit C - Amended Complaint, # 4 Exhibit D - Reservation Letter, # 5 Civil Cover Sheet, # 6 Summons	

#	Date	Proceeding Text	Source
		Jackson Growth Company, # 7 Summons Quintavius Martin, # 8 Summons Waffle House, Inc, # 9 Summons Gladys Mosley, # 10 Summons Mekoia Gaston, # 11 Summons Shahnquanla Horne, # 12 Summons Shakierra Corbin)(Savrin, Philip) One (1) e-summons issued to Quintavius Martin; remaining six (6) incomplete w/no address or correct name of defendant; Atty. Savrin contacted on 6/6/17 by akr and directed to resubmit in case assigned. (akr). (Entered: 06/05/2017)	
1417	06/05/2017	CIVIL ACTION NO. 1:17-cv-2049-TWT 367 28:1332pl. Case Initiating Documents-Complaint RAJAM RADHAKRISHNAN vs. TAKEDA PHARMACEUTICALS AMERICA, INC.. Filing fee $ 400, receipt number 113E-7187134. (Ersin, Abigail) No e-summons issued. (akr). (Entered: 06/05/2017)	
1418	06/05/2017	CIVIL ACTION NO. 1:17-cv-2050-ODE 440 42:1981ra. Case Initiating Documents-Complaint Elizabeth Park vs. Hari Krishna McFarland, Inc.. Filing fee $ 400, receipt number 113E-7188824. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Braun, Michael) One (1) e-summons issued. (akr). (Entered: 06/05/2017)	
1419	06/05/2017	CIVIL ACTION NO. 1:17-cv-2051-TWT 820 28:1338cp. Case Initiating Documents-Complaint Arsenio Archer vs. London Holmes. Filing fee $ 400, receipt number 113E-7188934. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons YSL, # 3 Summons 300 ent, # 4 Summons Atlantic, # 5 Summons BMG, # 6 Summons Boosie, # 7 Summons Cash Money, # 8 Summons Culture Beyond, # 9 Summons Def Jam, # 10 Summons Deyjah, # 11 Summons EMI, # 12 Summons Grand Hustle, # 13 Summons Lead and Yellow, # 14 Summons London Holmes, # 15 Summons Money Mack, # 16 Summons Nitty Beatz, # 17 Summons Reservoir, # 18 Summons Rocc Age, # 19 Summons Songs Universal, # 20 Summons Sony Music Holdings, # 21 Summons TIG7, # 22 Summons Trill Productions, # 23 Summons Ty Epps, # 24 Summons Universal Music Group, # 25 Summons Warner Tamerlane, # 26 Summons WEA, # 27 Summons WMG, # 28 Summons Young Jeezy)(McAlpin, Lauren) Twenty (20) e-summons issued; remaining summons not issued due to lack of addresses of defendants; Atty. McAlpin contacted by akr on 6/6/17 and directed to resubmit in case assigned. (akr). (Entered: 06/05/2017)	
1420	06/06/2017	CIVIL ACTION NO. 1:17-cv-2055-TCB JFK 863 42:0405wc. Case Initiating Documents-Complaint Juan Jefferson vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) E-summons not issued; summons will be e-issued by dkt clerk upon IFP approval. (akr). (Entered: 06/06/2017)	
1421	06/06/2017	CIVIL ACTION NO. 1:17-cv-2058-AT 710 29:0216b. Case Initiating Documents-Complaint JAMAAL RUSS vs. I & I PIZZA OF ATLANTA, INC. d/b/a Sarpinos Pizzeria. Filing fee $ 400, receipt number 113E-7190202. (Attachments: # 1 A_Russ Consent to Serve as a Plaintiff Representative, # 2 B_Walker Consent to Serve as a Plaintiff Representative, # 3 C_Grant Consent to Serve as a Plaintiff Representative, # 4 Civil Cover Sheet, # 5 Summons to I & I Pizza of Atlanta, Inc., # 6 Summons to Ihar Dziatko)(Bridgers, Charles) Two (2) e-summons issued. (akr). (Entered: 06/06/2017)	
1422	06/06/2017	CIVIL ACTION NO. 1:17-cv-2059-CC AJB 442 42:2000sx. Case Initiating Documents-Complaint Caitlin Lowe vs. JANUS INTERNATIONAL GROUP, LLC. Filing fee $ 400, receipt number 113E-7190319. (Attachments: # 1 Exhibit A EEOC Charge of	

#	Date	Proceeding Text	Source
		Discrimination, # 2 Exhibit B EEOC Notice of Right to Sue, # 3 Civil Cover Sheet, # 4 Summons)(Martin, Thomas) One (1) e-summons issued. (akr). (Entered: 06/06/2017)	
1423	06/06/2017	CIVIL ACTION NO. 1:17-cv-2060-LMM RGV 863 42:0405wc. Case Initiating Documents-Complaint Michael McBain vs. Nancy A. Berryhill, Acting Commissioner of SSA. Filing fee $ 400, receipt number 113E-7190406. (Attachments: # 1 Civil Cover Sheet, # 2 Summons - U.S. Attorney, # 3 Summons - OGC, # 4 Summons - Attorney General)(Martin, Charles) Three (3) e-summons issued. (akr). (Entered: 06/06/2017)	
1424	06/06/2017	MISCELLANEOUS CASE NO 1:17-MI-0049-RWS JCF 890 frcp45b1. Case Initiating Documents-Miscellaneous (Foreign Subpoena), Daniel Lavecky vs. Global Payments, Inc.. Filing fee $ 47, receipt number 113E-7190482. (Attachments: # 1 Declaration of Jonathan Milner in Support, # 2 Declaration of Hung G. Ta in Support, # 3 Text of Proposed Order, # 4 Civil Cover Sheet)(Evangelista, James) No e-summons issued. (akr). (Entered: 06/06/2017)	
1425	06/06/2017	CIVIL ACTION NO. 1:17-cv-2064-MHC 365 28:1332pi. Case Initiating Documents-Complaint BRANDI vs. SIX FLAGS ENTERTAINMENT CORPORATION. Filing fee $ 400, receipt number 113E-7190937. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Certificate of Interested Persons, # 3 Summons Summons, # 4 Summons Summons, # 5 Summons Summons, # 6 Summons Summons, # 7 Summons Summons, # 8 Summons Summons)(Jackson, John) Six (6) e-summons issued. (akr). (Entered: 06/06/2017)	
1426	06/06/2017	CIVIL ACTION NO. 1:17-cv-2065-MHC 422 28:0158. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 16-67309-wlh, ADV case#: 17-5009. Notice of Appeal filed 6/6/2017 from Order entered 5/24/2017 by Appellant Angela Yvonne Holyfield. Fee Paid: Yes. USBC Receipt No. 45039029. (Attachments: # 1 doc9 Order, # 2 doc12 NOA, # 3 doc15 Amended NOA, # 4 docket sheet)(Lugo, Yahaira) No e-summons issued. (akr). (Entered: 06/06/2017)	
1427	06/06/2017	CIVIL ACTION NO. 1:17-cv-2066-ELR 190 28:1332bc. Case Initiating Documents-Complaint The Cincinnati Insurance Company vs. Lonnie Moss. Filing fee $ 400, receipt number 113E-7191039. (Attachments: # 1 Exhibit A - Bond, # 2 Exhibit B - Indemnity Agreement, # 3 Exhibit C - Indemnity Agreement, # 4 Exhibit D - Notice, # 5 Exhibit E - Term Notice, # 6 Exhibit F - Demand, # 7 Exhibit G - Demand, # 8 Exhibit H - Check, # 9 Civil Cover Sheet, # 10 Summons Lonnie Moss, # 11 Summons Misty Moss, # 12 Summons Peak PEH)(Lichtman, Philip) Three (3) e-summons issued. (akr). (Entered: 06/06/2017)	
1428	06/06/2017	CIVIL ACTION NO. 1:17-cv-2067-WSD 710 29:0216b. Case Initiating Documents-Complaint Mike Nardini vs. Technical Education Services, Inc. D/B/A Aviation Institute of Maintenance. Filing fee $ 400, receipt number 113E-7191224. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Brown, Kristine) One (1) e-summons issued. (akr). (Entered: 06/06/2017)	
1429	06/06/2017	CIVIL ACTION NO. 1:17-cv-2068-AT 440 42:1983cv. Case Initiating Documents-Complaint KIDANEMARIAM KASSA vs. FULTON COUNTY, GEORGIA. Filing fee $ 400, receipt number 113E-7191246. (Roberts, Tiffany) No e-summons issued. NOTE: No Civil Cover Sheet attached; Atty. Roberts contacted on 6/7/17 by akr and directed to resubmit in case assigned. (akr). (Entered: 06/06/2017)	
1430	06/06/2017	CIVIL ACTION NO. 1:17-CV-2069-LMM 890 47:0227. ONE E-	

#	Date	Proceeding Text	Source
		SUMMONS ISSUED. Case Initiating Documents-Complaint AARON TALBOTT vs. PROG LEASING, L.L.C., D/B/A PROGRESSIVE LEASING. Filing fee $ 400, receipt number 113E-7191264. (Attachments: # 1 Exhibit A - Call Log, # 2 Civil Cover Sheet, # 3 Summons)(Gomez, Octavio)(smw). (Entered: 06/06/2017)	
1431	06/07/2017	CIVIL ACTION NO. 1:17-CV-2072-ELR LTW 480 15:1681. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Kelly S. O'Donnell vs. RCO Legal P.S., Inc.. Filing fee $ 400, receipt number 113E-7192598. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Bertschi, Craig)(smw). (Entered: 06/07/2017)	
1432	06/07/2017	CIVIL ACTION NO. 1:17-CV-2074-WSD 110 28:1441in. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, BPPO69, LLC vs. Old Republic National Title Insurance Company. Filing fee $ 400, receipt number 113E-7192850. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet)(Schneider, Jeffrey)(smw). (Entered: 06/07/2017)	
1433	06/07/2017	CIVIL ACTION NO. 1:17-CV-2076-CC 462 08:1329. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint IKRAME ELMERDI vs. John F. Kelly, Department of Homeland security. Filing fee $ 400, receipt number 113E-7193016. (Attachments: # 1 Exhibit A-H)(Elkhalil, Hassan)(smw). (Entered: 06/07/2017)	
1434	06/07/2017	CIVIL ACTION NO. 1:17-CV-2078-AT 190 28:1441bc. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Ahmed Bakery, Inc. vs. Lease Finance Group, LLC. Filing fee $ 400, receipt number 113E-7193737. (Attachments: # 1 Exhibit Superior Court of Fulton County State of Georgia Filings, # 2 Exhibit Affidavit)(Kent, G.)(smw). (Entered: 06/07/2017)	
1435	06/07/2017	CIVIL ACTION NO. 1:17-CV-2089-SCJ 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, RACHEL ARNOLD vs. THE FRESH MARKET INC. Filing fee $ 400, receipt number 113E-7194077. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit A-Summons and Complaint, # 3 Exhibit B-Notice to State Court)(Costolnick, Jeffrey) (smw). (Entered: 06/07/2017)	
1436	06/07/2017	CIVIL ACTION NO. 1:17-CV-2090-LMM JSA 864 42:0405id. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Julia Carter vs. Nancy A. Berryhill. No payment received. (Attachments: # 1 application, # 2 Civil Cover Sheet, # 3 complaint, # 4 order, # 5 Summons atty genertal, # 6 Summons general counsel, # 7 Summons us atty)(Flynn, Jeffrey)SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 06/07/2017)	
1437	06/07/2017	TRO - IMMEDIATE HEARING REQUESTED CIVIL ACTION NO. 1:17-CV-2091-TCB 899 42:1395. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7194124. (Attachments: # 1 Exhibit, # 2 Summons, # 3 Summons, # 4 Civil Cover Sheet, # 5 Affidavit)(Grubman, Scott) (smw). (Entered: 06/07/2017)	
1438	06/07/2017	CIVIL ACTION NO. 1:17-CV-2091-TCB SUBMISSION of additional attachments re: 1437 Case Initiating Documents-Complaint,. (Attachments: # 1 Text of Proposed Order)(Grubman, Scott) Modified on 6/8/2017 (smw). (Entered: 06/07/2017)	
1439	06/07/2017	CIVIL ACTION NO. 1:17-CV-1439-ELR RGV 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, RON LESLIE vs. INNOVIS DATA SOLUTIONS, INC.. Filing fee $ 400, receipt number 113E-7194176. (Attachments: # 1	

#	Date	Proceeding Text	Source
		Errata A - Complaint, # 2 Exhibit B - 03.15.2017 Letter, # 3 Exhibit C - 03.20.2017 Letter, # 4 Exhibit D - Service Details, # 5 Exhibit E - Notice of Notice of Removal, # 6 Civil Cover Sheet)(Currie, Alison) (jaw). (Entered: 06/07/2017)	
1440	06/07/2017	CIVIL ACTION NO. 1:17-CV-2093-CC JSA 480 15:1681; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Daniel Paul Meyer vs. Equifax Information Services LLC. Filing fee $ 400, receipt number 113E-7194341. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Dorsen, Clifton) (jaw). (Entered: 06/07/2017)	
1441	06/07/2017	CIVIL ACTION NO. 1:17-CV-2094-CAP JKL 480 15:1681; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ruth Cowart Morris vs. Equifax Information Services LLC. Filing fee $ 400, receipt number 113E-7194360. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Dorsen, Clifton) (jaw). (Entered: 06/07/2017)	
1442	06/07/2017	CIVIL ACTION NO. 1;17-cv-2095-AT JFK 480 15:1692; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint MIANCA REID vs. ASSET RECOVERY SOLUTIONS, LLC. Filing fee $ 400, receipt number 113E-7194410. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit)(Oaks, Misty) (jaw). (Entered: 06/07/2017)	
1443	06/07/2017	CIVIL ACTION NO. 1:17-CV-2096-SCJ LTW 480 15:1692; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint KAREN MCMILLAN vs. EXPRESS RECOVERY SERVICES, INC.. Filing fee $ 400, receipt number 113E-7194463. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit)(Oaks, Misty) (jaw). (Entered: 06/07/2017)	
1444	06/07/2017	CIVIL ACTION NO. 1:17-CV-2097-LMM 710 29:0216b; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Timothy Sherrod vs. Georgia Environmental Landscape & Maintenance, Inc.. Filing fee $ 400, receipt number 113E-7194552. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Herrington, Matthew) (jaw). (Entered: 06/07/2017)	
1445	06/08/2017	CIVIL ACTION NO. 1:17-CV-2102-WSD RGV 751 29:2601; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, De'La Spears vs. Kaiser Foundation Health Plan of Georgia, Inc.. Filing fee $ 400, receipt number 113E-7195651. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B)(Dawkins, Frederick) (jaw). (Entered: 06/08/2017)	
1446	06/08/2017	MISCELLANEOUS CASE NO.1:17-MI-0051-UNA 890 28:1963; NO E-SUMMONS ISSUED. Case Initiating Documents-Miscellaneous (Registration of Judgment from another district), Ubiquiti Networks, Inc. vs. Xconcepts Corporation et al. Filing fee $ 47, receipt number 113E-7196091. (Attachments: # 1 Civil Cover Sheet)(Frazier, Delia) (jaw). (Entered: 06/08/2017)	
1447	06/08/2017	CIVIL ACTION NO. 1:17-CV-2103-MHC 350 28:1441mv; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, CURTIS G. & KATHY BECKSTROM vs. ACUITY, A MUTUAL INSURANCE COMPANY. Filing fee $ 400, receipt number 113E-7196073. (Attachments: # 1 Exhibit Ex. A to Notice of Removal, # 2 Civil Cover Sheet Civil Cover Sheet)(James, Stuart) (jaw). (Entered: 06/08/2017)	
1448	06/08/2017	CIVIL ACTION NO. 1:17-CV-2105-CAP 110 28:2201in; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint AUTO-OWNERS INSURANCE COMPANY vs. ISIAH ARVIN. Filing fee $ 400, receipt number 113E-7196778. (Attachments: # 1 Exhibit Exhibit A - Underlying Lawsuit, # 2 Exhibit Exhibit B - Motion for Default Judgment, # 3 Exhibit Exhibit C - CGL Policy, #	

#	Date	Proceeding Text	Source
		4 Exhibit Exhibit D - Umbrella Policy, # 5 Exhibit Exhibit E - ROR, # 6 Civil Cover Sheet, # 7 Summons Summons to Isiah Arvin, # 8 Summons Summons to VCP Cedars Chalet)(Brock, Chad) (jaw). (Entered: 06/08/2017)	
1449	06/08/2017	CIVIL ACTION NO. 1:17-CV-2106-CC CMS 864 42:0405id; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Clifford Daniels vs. Nancy A. Berryhill. No payment received. (Attachments: # 1 application, # 2 Civil Cover Sheet, # 3 complaint, # 4 order, # 5 Summons atty genertal, # 6 Summons general counsel, # 7 Summons us attorney)(Flynn, Jeffrey) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL(jaw). (Entered: 06/08/2017)	
1450	06/08/2017	CIVIL ACTION NO. 1:17-CV-2107-CC AJB 480 15:1681; ONE E-Summons ISSUED. Case Initiating Documents-Complaint SUNYOUNG AMY PARK SONG vs. VERIZON WIRELESS SERVICES, LLC. Filing fee $ 400, receipt number 113E-7197067. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Armor, Christopher) (jaw). (Entered: 06/08/2017)	
1451	06/08/2017	CIVIL ACTION NO. 1:17-CV-2108-TCB JSA 442 42:2000sx; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jessica Coplen vs. Garda CL Southeast, Inc.. Filing fee $ 400, receipt number 113E-7197210. (Attachments: # 1 Exhibit A, EEOC Notice of Right to Sue, # 2 Civil Cover Sheet, # 3 Summons)(Garber, Alan) (jaw). (Entered: 06/08/2017)	
1452	06/08/2017	CIVIL ACTION NO. 1:17-cv-2109-AT 360 28:1441pi. Case Initiating Documents-Notice of Removal, Chloe Ware vs. Checkers Drive-In Restaurants Inc.. Filing fee $ 400, receipt number 113E-7197291. (Attachments: # 1 Exhibit A - State Court Pleadings, # 2 Exhibit B - Answer, # 3 Exhibit C - Demand Letter, # 4 Exhibit D - State Court Notice of Filing, # 5 Civil Cover Sheet)(Alfonso, Ashley) No e-summons issued. (akr). (Entered: 06/08/2017)	
1453	06/08/2017	CIVIL ACTION NO. 1:17-cv-2110-AT JCF 445 42:12101. Case Initiating Documents-Complaint Pamela Wilson vs. Dr. David J. Shulkin, Secretary of Department of Veteran's Affairs. Filing fee $ 400, receipt number 113E-7197553. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons for U.S. Attorney's Office, # 3 Summons Summons for Department of Veteran's Affairs)(Miller, Jamie) Two (2) e-summons issued. (akr). (Entered: 06/08/2017)	
1454	06/08/2017	CIVIL ACTION NO. 1:17-cv-2111-SCJ CMS 445 42:12101. Case Initiating Documents-Complaint CRYSTAL LAYSSARD-BROWN vs. TIM HORNE, ADMINISTRATOR, GENERAL SERVICES ADMINISTRATION. Filing fee $ 400, receipt number 113E-7197589. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A)(Southworth, Shaun) No e-summons issued. (akr). (Entered: 06/08/2017)	
1455	06/08/2017	CIVIL ACTION NO. 1:17-cv-2112-WSD 367 28:1332pl. Case Initiating Documents-Complaint JAMES MCQUERRY vs. WRIGHT MEDICAL TECHNOLOGY, INC.. Filing fee $ 400, receipt number 113E-7197584. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Saadian, Bobby) One (1) e-summons issued. (akr). (Entered: 06/08/2017)	
1456	06/09/2017	CIVIL ACTION NO. 1:17-cv-2114-LMM 791 29:1132. Case Initiating Documents-Complaint Benjamin T. Goff vs. The Prudential Insurance Company of America. Filing fee $ 400, receipt number 113E-7198408. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet)(Karrh, Heather) No e-summons issued. (akr). (Entered: 06/09/2017)	

#	Date	Proceeding Text	Source
1457	06/09/2017	CIVIL ACTION NO. 1:17-cv-2115-MHC 110 28:1441in. Case Initiating Documents-Notice of Removal, Alvin Sangdon Kim vs. Metropolitan Life Insurance Company. Filing fee $ 400, receipt number 113E-7198532. (Attachments: # 1 Exhibit A - State Court Complaint, # 2 Exhibit B - State Court Summons, # 3 Exhibit C - State Court Affidavit of Service, # 4 Exhibit D - State Court NOR, # 5 Civil Cover Sheet)(Pohlmann, Aaron) No e-summons issued. (akr). (Entered: 06/09/2017)	
1458	06/09/2017	CIVIL ACTION NO. 1:17-cv-2117-LMM 710 29:0216b. Case Initiating Documents-Complaint Devonte Compton vs. H.E.H. Paving, Inc.. Filing fee $ 400, receipt number 113E-7198646. (Attachments: # 1 Civil Cover Sheet)(Fenster, Ariel) No e-summons issued. (akr). (Entered: 06/09/2017)	
1459	06/09/2017	CIVIL ACTION NO. 1:17-cv-2118-AT 890 47:0227. Case Initiating Documents-Notice of Removal, Ken Joseph vs. Fifth Third Bank, Inc.. Filing fee $ 400, receipt number 113E-7198868. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Mendel, Jarrod) No e-summons issued. (akr). (Entered: 06/09/2017)	
1460	06/09/2017	CIVIL ACTION NO. 1:17-cv-2119-MHC 446 42:12101. Case Initiating Documents-Complaint Holt, Dakota vs. Folks, Inc.. Filing fee $ 400, receipt number 113E-7198943. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Folks, Inc., # 3 Summons as to Defendant Richard W. King, Individually, # 4 Summons as to Defendant Richard J. Pratt, Individually)(Ehrlich, Craig) Three (3) e-summons issued. (akr). (Entered: 06/09/2017)	
1461	06/09/2017	CIVIL ACTION NO. 1:17-cv-2120-ELR 190 28:1332bc. Case Initiating Documents-Complaint Michelle Provost vs. APTOS, INC.. Filing fee $ 400, receipt number 113E-7198941. (Attachments: # 1 Summons for Aptos, # 2 Summons for Tempur Sealy, # 3 Civil Cover Sheet)(Worley, David) Two (2) e-summons issued. (akr). (Entered: 06/09/2017)	
1462	06/09/2017	CIVIL ACTION NO. 1:17-cv-2121-CAP 350 28:1441mv. Case Initiating Documents-Notice of Removal, Margaret Holloway vs. Richy Bruny. Filing fee $ 400, receipt number 113E-7198954. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Summons and Complaint, # 3 Exhibit Answers to Complaint, # 4 Exhibit Other Pleadings in Case)(Arndt, Patrick) No e-summons issued. (akr). (Entered: 06/09/2017)	
1463	06/09/2017	CIVIL ACTION NO. 1:17-cv-2122-CC WEJ 480 15:1692. Case Initiating Documents-Complaint Jashuan Rushing vs. The Dillon Law Firm, PC. Filing fee $ 400, receipt number 113E-7198989. (Attachments: # 1 Exhibit Exhibit A, # 2 Civil Cover Sheet, # 3 Summons)(Mason, Jonathan) One (1) e-summons issued. (akr). (Entered: 06/09/2017)	
1464	06/09/2017	CIVIL ACTION NO. 1:17-cv-2123-ELR 446 42:12101. Case Initiating Documents-Complaint Futch, Thomas H. vs. Gateway Village Holdings, LLC. Filing fee $ 400, receipt number 113E-7199041. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Ehrlich, Craig) One (1) e-summons issued. (akr). (Entered: 06/09/2017)	
1465	06/09/2017	CIVIL ACTION NO. 1:17-cv-2124-TWT RGV 480 15:1692. Case Initiating Documents-Complaint Toshiba Kelley vs. Monterey Financial Services. Filing fee $ 400, receipt number 113E-7199112. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Mason, Jonathan) One (1) e-summons issued. (akr). (Entered: 06/09/2017)	
1466	06/09/2017	CIVIL ACTION NO. 1:17-cv-2125-WSD JSA 480 15:1692. Case Initiating Documents-Complaint Dianna Crittendon vs. Apelles, LLC. Filing fee $ 400, receipt number 113E-7199135.	

#	Date	Proceeding Text	Source
		(Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Mason, Jonathan) One (1) e-summons issued. (akr). (Entered: 06/09/2017)	
1467	06/09/2017	CIVIL ACTION NO. 1:17-cv-2126-SCJ 710 29:0216b. Case Initiating Documents-Complaint Rodney Hart vs. Townsend Tree Service Co., Inc.. Filing fee $ 400, receipt number 113E-7199130. (Attachments: # 1 Exhibit A - Rodney Hart Consent Form, # 2 Exhibit B - Cody Hart Consent Form, # 3 Exhibit C - Jody Hart Consent Form, # 4 Summons, # 5 Summons)(Herrington, Matthew) Two (2) e-summons issued. (akr). (Entered: 06/09/2017)	
1468	06/09/2017	CIVIL ACTION NO. 1:17-cv-2127-CAP JKL 863 42:0405wc. Case Initiating Documents-Complaint NATASHA LESHUN MILLER vs. NANCY A. BERRYHILL, Acting Comm'r of Soc.Sec.. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Motion to file IFP, # 3 Affidavit Application for IFP, # 4 Summons AttyGen, # 5 Summons Defendant, # 6 Summons U.SATTY)(Hogan, John) E-summons not issued; summons will be e-issued by dkt clerk upon IFP approval. (akr). (Entered: 06/09/2017)	
1469	06/09/2017	CIVIL ACTION NO. 1:17-cv-2126-SCJ 710 29:0216b. SUBMISSION of additional attachments re: 1467 Case Initiating Documents-Complaint,. (Attachments: # 1 Civil Cover Sheet)(Herrington, Matthew) (akr). (Entered: 06/09/2017)	
1470	06/09/2017	CIVIL ACTION NO. 1:17-cv-2128-WSD 710 29:0216b. Case Initiating Documents-Complaint Patrick Hanlon vs. Southeast Linen Associates, Inc. Filing fee $ 400, receipt number 113E-7199245. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit - Hanlon Consent to Serve as Plaintiff Representative, # 3 Summons, # 4 Summons, # 5 Summons)(Herrington, Matthew) Three (3) e-summons issued. (akr). (Entered: 06/09/2017)	
1471	06/09/2017	TRO - CIVIL ACTION NO. 1:17-cv-2129-RWS 190 28:1441bc. Case Initiating Documents-Notice of Removal. Filing fee $ 400, receipt number 113E-7199222. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Superior Court Filings, # 3 Exhibit B - Consent to Removal (Jopling), # 4 Exhibit C - Consent to Removal (Gallo))(Bean, Brenton) No e-summons issued. (akr). (Entered: 06/09/2017)	
1472	06/09/2017	TRO. CIVIL ACTION NO. 1:17-cv-2130-SCJ 290 15:1601. Case Initiating Documents-Notice of Removal, Sam L. Levine vs. Everbank, FSB. Filing fee $ 400, receipt number 113E-7199519. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exhibit A, # 3 Exhibit Exhibit B)(Taube, Gregory) No e-summons issued. (akr). (Entered: 06/09/2017)	
1473	06/09/2017	CIVIL ACTION NO. 1:17-cv-2131-CC 190 28:1441bc. Case Initiating Documents-Notice of Removal, Shelvie High vs. Select Portfolio Servicing, Inc.. Filing fee $ 400, receipt number 113E-7199499. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Exhibit B, # 4 Exhibit C, # 5 Exhibit D)(Grondin, Lauren) No e-summons issued. (akr). (Entered: 06/09/2017)	
1474	06/09/2017	CIVIL ACTION NO. 1:17-cv-2133-TCB 820 28:1338cp. Case Initiating Documents-Complaint ZUFFA, LLC d/b/a Ultimate Fighting Championship vs. Jin Dong Lee. Filing fee $ 400, receipt number 113E-7199789. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Summons to Jin Dong Lee, # 3 Summons Summons to Susan Kim, # 4 Summons Summons to Lucky Enterprises, Inc. dba Lucky Billiards)(Wehunt, J. Marshall) Three (3) e-summons issued. (akr). (Entered: 06/09/2017)	
1475	06/09/2017	CIVIL ACTION NO. 1:17-cv-2134-ODE JFK 863 42:0405wc. Case Initiating Documents-Complaint Candis Lovell vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received.	

#	Date	Proceeding Text	Source
		(Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) E-summons not issued; summons will be e-issued by dkt clerk upon IFP approval. (akr). (Entered: 06/09/2017)	
1476	06/09/2017	CIVIL ACTION NO. 1:17cv-2135-CAP CMS 480 15:1692. Case Initiating Documents-Complaint Alana Brathwaite vs. Roosen, Varchetti & Olivier, PLLC. Filing fee $ 400, receipt number 113E-7200018. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Mason, Jonathan) One (1) e-summons issued. (akr). (Entered: 06/09/2017)	
1477	06/09/2017	CIVIL ACTION NO. 1:17-cv-2136-TWT 890 42:11601. Case Initiating Documents-Complaint George Choongo Moonga vs. Julie Moonga. Filing fee $ 400, receipt number 113E-7199481. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D)(Manely, Michael) One (1) e-summons issued. (akr). (Entered: 06/09/2017)	
1478	06/09/2017	CIVIL ACTION NO. 1:17-cv-2136-TWT. SUBMISSION of additional attachments re: 1477 Case Initiating Documents-Complaint. (Attachments: # 1 Summons Summons for Servic, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Affidavit Verification of Complaint, # 4 Brief REQUEST FOR EXPEDITED CONSIDERATION OF VERIFIED COMPLAINT FOR RETURN OF CHILD TO UNITED KINGDOM AND ISSUANCE OF SHOW CAUSE ORDER)(Manely, Michael) One (1) e-summons issued. (akr). (Entered: 06/09/2017)	
1479	06/09/2017	MISCELLANEOUS ACTION NO. 1:17-MI-0052-WSD-CMS 890 FRCP45(b). NO E-SUMMONS ISSUED. Case Initiating Documents-Miscellaneous (Motion for Protective Order), Jeffrey Molitor vs. Manasseh Jordan Ministries, Inc.. Filing fee $ 47, receipt number 113E-7200406. (Attachments: # 1 Exhibit 1 - Illinois Action First Amended Complaint and Answer, # 2 Exhibit 2 - Subpoena to Testify at a Deposition in a Civil Action, # 3 Errata 3 - Kingdom Ministries Church 2017 Annual Registration, # 4 Text of Proposed Order)(Treco, Matthew)(smw). (Entered: 06/09/2017)	
1480	06/09/2017	CIVIL ACTION NO. 1:17-CV-2137-ELR 830 28:1338pt. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint NanoLumens Acquisition Inc. vs. InfiLED USA, LLC. Filing fee $ 400, receipt number 113E-7200439. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Exhibit 6, # 7 Exhibit 7, # 8 Exhibit 8, # 9 Exhibit 9, # 10 Exhibit 10, # 11 Exhibit 11, # 12 Exhibit 12, # 13 Summons InfiLED USA, LLC, # 14 Summons DetaiLED Solutions, LLC, # 15 Summons Shenzhen InfiLED Electronics Co., Ltd., # 16 Civil Cover Sheet, # 17 Civil Cover Sheet Attachment, # 18 AO 120 Report on The Filing or Determination of An Action Regarding A Patent or Trademark)(Fort, Ann)(smw). (Entered: 06/09/2017)	
1481	06/09/2017	CIVIL ACTION NO. 1:17-CV-2137-ELR. SUBMISSION of additional attachments re: 1480 Case Initiating Documents-Complaint,,. (Fort, Ann) Modified on 6/12/2017 (smw). (Entered: 06/09/2017)	
1482	06/10/2017	CIVIL ACTION NO. 1:17-CV-2138-WSD 710 29:0216b. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Heung Nam Moon vs. Soon Joseph Choi. Filing fee $ 400, receipt number 113E-7200528. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons, # 4 Summons)(Kim, Brian)(smw). (Entered: 06/10/2017)	
1483	06/11/2017	CIVIL ACTION NO. 1:17-CV-2139-ODE-JFK 442 42:2000ra. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint	

#	Date	Proceeding Text	Source
		Sironeon Storey vs. Restoration Sleep LLC. Filing fee $ 400, receipt number 113E-7200606. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Lakraj, Adeash)(smw). (Entered: 06/11/2017)	
1484	06/12/2017	CIVIL ACTION NO. 1:17-CV-2141-SCJ-JFK 480 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Enderica Daniels vs. Lockhart, Morris & Montgomery, Inc.,. Filing fee $ 400, receipt number 113E-7200727. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew)(smw). (Entered: 06/12/2017)	
1485	06/12/2017	CIVIL ACTION NO. 1:17-CV-2142-CAP-LTW 442 42:2000sx. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint LASHANA LOUDE vs. PEDIATRIC SERVICES OF AMERICA, INC.. Filing fee $ 400, receipt number 113E-7200719. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Roberts, Victor)(smw). (Entered: 06/12/2017)	
1486	06/12/2017	CIVIL ACTION NO. 1:17-CV-2147-LMM LTW 863 42:0405ww. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Eddie Casselberry vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Civil Cover Sheet, # 5 Summons, # 6 Summons, # 7 Summons, # 8 Application to Proceed In Forma Pauperis)(Hiller, Kenneth) SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL (smw). (Entered: 06/12/2017)	
1487	06/12/2017	CIVIL ACTION NO. 4:17-cv-122-HLM-WEJ 863 42:0405 Case Initiating Documents-Complaint Ernestine Unversaw vs. Commissioner of Social Security. Filing fee $ 400, receipt number 113E-7201497. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Office of Regional Counsel, # 3 Summons US Attorney, # 4 Summons US Attorney General)(Kennamer, James) DOCUMENT FILED IN INCORRECT DIVISION SHELL CASE. DOCUMENTS FORWARDED TO ROME ON 06/02/2017 BY SWB(smw). Modified on 6/12/2017 (bjh). (Entered: 06/12/2017)	
1488	06/12/2017	CIVIL ACTION NO. 1:17-CV-2148-MHC 710 29:216b. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jonathan Griffin vs. Core Fiber Solutions, Inc.. Filing fee $ 400, receipt number 113E-7202016. (Attachments: # 1 Exhibit A (Griffin's Consent to Join Form), # 2 Civil Cover Sheet, # 3 Summons As to Core Fiber, # 4 Summons As to Timothy Frain, # 5 Summons As to Candice Rolfe)(Smith, Louise)(smw). (Entered: 06/12/2017)	
1489	06/12/2017	CIVIL ACTION NO. 1:17-CV-2149-TWT 791 28:1441er. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Sandra J. Cropsey vs. Coventry Health Care of Georgia, Inc.. Filing fee $ 400, receipt number 113E-7202041. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A)(Frazier, Delia)(smw). (Entered: 06/12/2017)	
1490	06/12/2017	CIVIL ACTION NO. 1:17-CV-2150-TWT 446 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Blinkhorn, Jessica vs. O.S.K.Y. LLC d/b/a Something Special Restaurant. Filing fee $ 400, receipt number 113E-7202175. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant O.S.K.Y. LLC, # 3 Summons as to Defendant Hayn Chong Jones)(Ehrlich, Craig)(smw). (Entered: 06/12/2017)	
1491	06/12/2017	CIVIL ACTION ON. 1:17-CV-2151-WSD 367 28:1332pl. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ford G. Scalley vs. Wright Medical Technology, Inc.. Filing fee $ 400, receipt number 113E-7202279. CIVIL COVER SHEET NOT FILED ATTY DAVID OLSEN CONTACTED ON 6/12/2017 BY	

#	Date	Proceeding Text	Source
		SWB AND INFORMED TO FILE DOCUMENT IN THE CIVIL CASE ASSIGNED. (Mortensen, Alan)(smw). (Entered: 06/12/2017)	
1492	06/12/2017	CIVIL ACTION NO. 1:17-CV-2152-AT 446 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Brown, Yvonne vs. Austell FS LLC. Filing fee $ 400, receipt number 113E-7202403. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Ehrlich, Craig) (smw). (Entered: 06/12/2017)	
1493	06/12/2017	CIVIL ACTION NO. 1:17-CV-2153-ODE 350 28:1441mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Sylvia Jean Stephenson vs. Old Republic Insurance Company. Filing fee $ 400, receipt number 113E-7202353. (Attachments: # 1 Exhibit A - State Court Pleadings, # 2 Exhibit B - Defendants' Notice of Removal to State Court, # 3 Exhibit C - Plaintiff's Demand, # 4 Civil Cover Sheet)(Cox, Sean)(smw). (Entered: 06/12/2017)	
1494	06/12/2017	CIVIL ACTION NO. 1:17-CV-2154-ODE 710 29:0216b. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Alex Friedman vs. Bartaco Roswell, LLC, a/k/a Bartaco Chastain Park. Filing fee $ 400, receipt number 113E-7202459. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Pankey, Larry)(smw). (Entered: 06/12/2017)	
1495	06/12/2017	CIVIL ACTION NO. 1:17-CV-2155-ODE 360 28:1441wd. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, BRYON SCOTT & DEBORAH ANN BARNARD, individually vs. ACUITY, A MUTUAL INSURANCE COMPANY. Filing fee $ 400, receipt number 113E-7202844. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet Civil Cover)(James, Stuart)(smw). (Entered: 06/12/2017)	
1496	06/12/2017	CIVIL ACTION NO. 1:17-CVV-2156-MHC LTW 480 15:1692. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint GARY YIP vs. MIDLAND FUNDING LLC. Filing fee $ 400, receipt number 113E-7202997. (Attachments: # 1 Exhibit Exhibit A, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Summons Summons of Midland Credit Management Inc, # 4 Summons Summons of Midland Funding LLC, # 5 Certificate of Interested Parties)(Nelson, John)(smw). (Entered: 06/12/2017)	
1497	06/12/2017	CIVIL ACTION NO.1:17-CV-2157-ODE AJB 442 42:2000sx; EIGHT E-Summons ISSUED. Case Initiating Documents-Complaint Shannon Lemieux vs. North Ridge Roofing, Inc. et al. Filing fee $ 400, receipt number 113E-7203326. (Attachments: # 1 Summons, # 2 Summons, # 3 Summons, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Summons, # 8 Summons, # 9 Civil Cover Sheet, # 10 Exhibit A, # 11 Exhibit B)(Mixon, J.) (jaw). (Entered: 06/12/2017)	
1498	06/12/2017	CIVIL ACTION NO. 1:17-CV-2158-RWS 290 28:1444; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, The First Meliorite Church vs. JP Morgan Chase Bank NA. Filing fee $ 400, receipt number 113E-7203359. (Attachments: # 1 Exhibit A Process Pleadings, # 2 Exhibit B Tax Assessor's Valuation, # 3 Civil Cover Sheet)(Hansen, Brian) (jaw). (Entered: 06/12/2017)	
1499	06/12/2017	CIVIL ACTION NO. 1:17-CV-2159-WSD WEJ 480 15:1681; ONE E-Summons ISSUED. Case Initiating Documents-Complaint Keith Smittle vs. Equifax Information Services LLC. Filing fee $ 400, receipt number 113E-7203430. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Dorsen, Clifton) (jaw). (Entered: 06/12/2017)	
1500	06/13/2017	CIVIL ACTION NO. 1:17-CV-2163-MHC 710 29:0216b; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint	

#	Date	Proceeding Text	Source
		KIMBERLY MONSEUR vs. THE VILLAGE VETS BUCKHEAD, INC.. Filing fee $ 400, receipt number 113E-7204437. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Roberts, Victor) (jaw). (Entered: 06/13/2017)	
1501	06/13/2017	CIVIL ACTION NO. 1:17-CV-2171-ELR JSA 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Johnny Coleman, III vs. Trans Union, LLC and Select Portfolio Servicing, Inc.,. Filing fee $ 400, receipt number 113E-7204712. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 06/13/2017)	
1502	06/13/2017	CIVIL ACTION NO. 1:17-CV-2172-CAP JKL 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tamika Deshelle Cunningham vs. Trans Union, LLC and Nationstar Mortgage, LLC,. Filing fee $ 400, receipt number 113E-7204717. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 06/13/2017)	
1503	06/13/2017	CIVIL ACTION NO. 1:17-CV-2173-TWT JFK 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Benjamin James McDowell, Sr., vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7204726. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 06/13/2017)	
1504	06/13/2017	CIVIL ACTION NO. 1:17-CV-2175-TCB LTW 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint William Warner vs. Equifax Information Services, LLC and Experian Information Solutions, Inc.,. Filing fee $ 400, receipt number 113E-7204736. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 06/13/2017)	
1505	06/13/2017	CIVIL ACTION NO. 1:17-CV-2176-MHC AJB 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Gary Wayne Tewmey, and JoAnne M. Tewmey vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7204749. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 06/13/2017)	
1506	06/13/2017	CIVIL ACTION NO. 1:17-CV-2178-ELR WEJ 480 15:1681; NO E-SUMMONS ISSUED. Case :Initiating Documents-Complaint Garfield H. Schroeter vs. Equifax Information Services, LLC and Ocwen Loan Servicing, LLC. Filing fee $ 400, receipt number 113E-7204763. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 06/13/2017)	
1507	06/13/2017	CIVIL ACTION NO. 1:17-CV-2179-CAP RGV 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Eugene Mills and Claudia A. Mills vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7204774. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 06/13/2017)	
1508	06/13/2017	CIVIL ACTION NO. 1:17-CV-2180-WSD JSA 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint William Eugene Walters vs. Equifax Information Services, LLC and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7204779. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 06/13/2017)	
1509	06/13/2017	CIVIL ACTION NO. 1:17-CV-2181-TCB JCF 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Debra Nisbet vs. Trans Union, LLC and PNC Bank, National Association (Inc.) a/k/a and d/b/a PNC Mortgage. Filing fee $ 400, receipt number 113E-7204818. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 06/13/2017)	
1510	06/13/2017	CIVIL ACTION NO. 1:17-CV-2182-AT 442 28:1443; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Jonathan Cudger vs. Monterio Stidwell. Filing fee $ 400,	

#	Date	Proceeding Text	Source
		receipt number 113E-7204757. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet)(Floyd, Anissa) (jaw). (Entered: 06/13/2017)	
1511	06/13/2017	CIVIL ACTION NO. 1:17-CV-2183-MHC CMS 290 28:2201dj: TWELVE E-SUMMONS ISSUED. Case Initiating Documents-Complaint DEUTSCHE BANK NATIONAL TRUST CO., et al. vs. JANTZ PATRICK MILLER, et al.. Filing fee $ 400, receipt number 113E-7205023. (Attachments: # 1 Civil Cover Sheet, # 2 Summons JANTZ PATRICK MILLER, # 3 Summons KARYN ELIZABETH MILLER, # 4 Summons PALISADES, # 5 Summons NORTH STAR, # 6 Summons HIDDEN HILLS, # 7 Summons GEORGIA, # 8 Summons LVNV FUNDING, # 9 Summons ASSET, # 10 Summons UNITED STATES, # 11 Summons APPLIED, # 12 Summons MIDLAND, # 13 Summons MARRICK)(Wersant, Paul) (jaw). (Entered: 06/13/2017)	
1512	06/13/2017	SUBMISSION of additional attachments re: 1:17-cv-2182-AT 1510 Case Initiating Documents-Notice of Removal. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E)(Floyd, Anissa) (Entered: 06/13/2017)	
1513	06/13/2017	CIVIL ACTION NO. 1:17-CV-2184-ELR AJB 863 42:0405wc; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ida Welch vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles)E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 06/13/2017)	
1514	06/13/2017	CIVIL ACTION NO. 1:17-CV-2185-CAP JSA 863 42:0405wc; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Juanita Johnson vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 06/13/2017)	
1515	06/13/2017	TRO - IMMEDIATE HEARING REQUESTED CIVIL ACTION NO. 1:17-CV-2188-TCB 190 28:1332bc; FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7205710. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B, # 3 Exhibit Exhibit C, # 4 Exhibit Exhibit D, # 5 Exhibit Exhibit E, # 6 Exhibit Exhibit F, # 7 Exhibit Exhibit G, # 8 Exhibit Exhibit H, # 9 Exhibit Exhibit I, # 10 Exhibit Verification, # 11 Civil Cover Sheet Civil Cover Sheet, # 12 Summons Marietta Wealth Management Summons, # 13 Summons Scott Keller Summons, # 14 Summons Wes Hackney Summons, # 15 Summons Charlie Holloway Summons)(Adler, Bradley) (jaw). (Entered: 06/13/2017)	
1516	06/14/2017	CIVIL ACTION NO. 1:17-cv-2190-WSD 440 42:1983cv. Case Initiating Documents-Complaint Abraham Malobe vs. City of Atlanta. Filing fee $ 400, receipt number 113E-7207132. (Attachments: # 1 Exhibit, # 2 Civil Cover Sheet, # 3 Summons, # 4 Summons, # 5 Summons)(Thomas, William) Three (3) e-summons issued. (akr). (Entered: 06/14/2017)	
1517	06/14/2017	CIVIL ACTION NO. 1:17-cv-2193-SCJ CMS 863 42:0405wc. Case Initiating Documents-Complaint Pamela Gholston vs. Nancy Berryhill. Filing fee $ 400, receipt number 113E-7207210. (Attachments: # 1 Exhibit, # 2 Civil Cover Sheet, # 3 Summons, # 4 Summons, # 5 Summons)(Hofrichter, Michael) Three (3) e-summons issued. (akr). (Entered: 06/14/2017)	

#	Date	Proceeding Text	Source
1518	06/14/2017	CIVIL ACTION NO. 1:17-cv-2203-CC 360 28:1441pi. Case Initiating Documents-Notice of Removal, Stephanie Turner, individually and as natural mother of Harley Turner, a minor vs. Wal-Mart Stores East, LP. Filing fee $ 400, receipt number 113E-7208092. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Demand Letter, # 3 Exhibit B - State Court Pleadings)(Lessinger, Howard) No e-summons issued. (akr). (Entered: 06/14/2017)	
1519	06/14/2017	CIVIL ACTION NO. 1:17-cv-2204-CAP 440 42:1983cv. Case Initiating Documents-Complaint Shanlanda Monroe vs. Dustin Evans. Filing fee $ 400, receipt number 113E-7208233. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons, # 4 Summons)(Hodges, Kenneth) Three (3) e-summons issued. (akr). (Entered: 06/14/2017)	
1520	06/14/2017	CIVIL ACTION NO. 1:17-cv-2207-CAP 850 15:0078. Case Initiating Documents-Complaint City of Sunrise General Employees' Retirement Plan, on behalf of itself and all others similarly situated vs. FleetCor Technologies, Inc.. Filing fee $ 400, receipt number 113E-7208447. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Summons FleetCor Technologies, Inc., # 4 Summons Ronald Francis Clarke, # 5 Summons Eric R. Dey)(Mixson, Homer) Three (3) e-summons issued. (akr). (Entered: 06/14/2017)	
1521	06/14/2017	CIVIL ACTION NO. 1:17-cv-2209-AT 840 28:2201dj. Case Initiating Documents-Complaint Foy & Associates, P.C. vs. Franklin D. Azar and Associates, P.C.. Filing fee $ 400, receipt number 113E-7208982. (Attachments: # 1 Summons, # 2 Civil Cover Sheet, # 3 Exhibit 1, # 4 Exhibit 2, # 5 Exhibit 3, # 6 Exhibit 4, # 7 Exhibit 5, # 8 Exhibit 6, # 9 Exhibit 7, # 10 Exhibit 8, # 11 Exhibit 9)(Hawkins, Jonathan) One (1) e-summons issued. (akr). (Entered: 06/14/2017)	
1522	06/14/2017	CIVIL ACTION NO. 1:17-cv-2210-TWT-JFK 480 15:1692. Case Initiating Documents-Complaint Stephen McGrew vs. NetCollections, LLC. Filing fee $ 400, receipt number 113E-7209002. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Mason, Jonathan) One (1) e-summons issued. (akr). (Entered: 06/14/2017)	
1523	06/14/2017	CIVIL ACTION NO. 1:17-CV-2211-WSD-LTW 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Giovanni Villa vs. Vital Recovery Services, LLC. Filing fee $ 400, receipt number 113E-7209034. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Mason, Jonathan) Modified on 6/15/2017 (smw). (Entered: 06/14/2017)	
1524	06/14/2017	CIVIL ACTION NO. 1:17-CV-2217-TWT 830 35:0271. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint KLINKY, LLC vs. DAVE MILLER. Filing fee $ 400, receipt number 113E-7209209. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Exhibit G, # 8 Exhibit H, # 9 Exhibit I, # 10 Exhibit J, # 11 Exhibit K, # 12 Exhibit L, # 13 Exhibit M, # 14 Summons, # 15 Summons, # 16 Summons, # 17 Civil Cover Sheet)(Schaetzel, Stephen) SUMMONS WILL NOT BE ISSUED DUE TO INCOMPLETE ADDRESSES(smw). (Entered: 06/14/2017)	
1525	06/15/2017	CIVIL ACTION NO. 1:17-CV-2219-SCJ 350 28:1441mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Sierra L. Scott vs. Mark T. Jackson. Filing fee $ 400, receipt number 113E-7209820. (Attachments: # 1 Exhibit Complaint, # 2 Exhibit Answer, # 3 Exhibit Jury Demand, # 4 Exhibit Rule 5.2 Certificate of Service, # 5 Exhibit Notice of Leave of Absence - Thomas E. Brennan, # 6 Civil Cover Sheet Civil Cover Sheet)(Brennan, Thomas)(smw). (Entered: 06/15/2017)	

#	Date	Proceeding Text	Source
1526	06/15/2017	CIVIL ACTION NO. 1:17-CV-2220-MHC-WEJ 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Chandra Harris vs. Experian Information Solutions, Inc. and World Finance Corporation of Georgia. Filing fee $ 400, receipt number 113E-7209904. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew)(smw). (Entered: 06/15/2017)	
1527	06/15/2017	CIVIL ACTION NO. 1:17-CV-2221-ELR-RGV 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Andrea Plater vs. Equifax Information Services, LLC; Trans Union, LLC; and Carrington Mortgage Services, LLC. Filing fee $ 400, receipt number 113E-7209954. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam) Modified on 6/15/2017 (smw). (Entered: 06/15/2017)	
1528	06/15/2017	CIVIL ACTION NO. 1:17-CV-2222-CAP-JSA 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Stephanie Lynn Price vs. Experian Information Solutions, Inc. and Lendmark Financial Services, LLC. Filing fee $ 400, receipt number 113E-7209983. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam)(smw). (Entered: 06/15/2017)	
1529	06/15/2017	CIVIL ACTION NO. 1:17-CV-2237-WSD 370 28:1332fr. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Timothy O'Sullivan vs. iSpring Water Systems, LLC. Filing fee $ 400, receipt number 113E-7210124. (Attachments: # 1 Exhibit A - Advertising Images, # 2 Exhibit B - FTC Enforcement Policy Statement, # 3 Exhibit C - FTC Complaint, Decision and Order, # 4 Exhibit D - FTC Press Release, # 5 Exhibit E - Consumer Reports Article, # 6 Exhibit F - Amazon.com Receipt, # 7 Summons iSpring Water Systems, LLC, # 8 Civil Cover Sheet)(Hurt, James)(smw). (Entered: 06/15/2017)	
1530	06/15/2017	TRO CIVIL ACTION NO. 1:17-cv-2234-MHC 220 15:1601. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Achyut M. Tope vs. Countrywide Home Loans, Inc.. Filing fee $ 400, receipt number 113E-7210334. (Attachments: # 1 Exhibit "A" State Court Action, # 2 Civil Cover Sheet)(Chaness, Bret)(smw). (Entered: 06/15/2017)	
1531	06/15/2017	CIVIL ACTION NO. 1:17-CV-2239-TCB 350 28:1441mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Donald Fowler vs. Gregory Nealy. Filing fee $ 400, receipt number 113E-7210378. (Attachments: # 1 Exhibit State Case Filings)(Hensel, Taylor) (Entered: 06/15/2017)	
1532	06/15/2017	CIVIL ACTION NO. 1:17-CV-2242-MHC-CMS 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Inez McRae vs. Trans Union, LLC. Filing fee $ 400, receipt number 113E-7210832. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 06/15/2017)	
1533	06/15/2017	CIVIL ACTION NO. 1:17-CV-2244-MHC-CMS 442 42:2000ra. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Mark A. Thompson vs. DeKalb County, Georgia. Filing fee $ 400, receipt number 113E-7211160. (Attachments: # 1 Civil Cover Sheet and Summons (DeKalb Superior), # 2 Amended Complaint with Redaction, # 3 Civil Cover Sheet (Federal), # 4 Answer of Defendants with Redactions)(Gepp, Randy) (smw). (Entered: 06/15/2017)	
1534	06/15/2017	CIVIL ACTION NO. 1:17-CV-2245-CAP 791 29:1132. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Cher R. Taylor vs. The Prudential Insurance Company of America. Filing fee $ 400, receipt number 113E-7211631. (Attachments: # 1 Civil Cover Sheet)(Pyles, Bradley)(smw). (Entered: 06/15/2017)	
1535	06/15/2017	CIVIL ACTION NO. 1:17-CV-2246-TWT 110 28:1441in; NO E-	

#	Date	Proceeding Text	Source
		SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, David Pearson vs. Safeco Insurance Company of Indiana. Filing fee $ 400, receipt number 113E-7211497. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit A - Summons & Complaint, # 3 Exhibit B - Inlet Beach Complaint, # 4 Exhibit C - PeopleMap of David Pearson, # 5 Exhibit PeopleMap of Elizabeth Pearson, # 6 Exhibit Notice of Removal to Opposin Counsel, # 7 Exhibit F - Notice of Filing Notice of Removal)(Watson, Lewis) (jaw). (Entered: 06/15/2017)	
1536	06/15/2017	CIVIL ACTION NO. 1:17-CV-2247-ELR-JKL 442 42:2000ot; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Janice Truhan vs. City of Jonesboro. Filing fee $ 400, receipt number 113E-7211744. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Hudgins, David) (jaw). (Entered: 06/15/2017)	
1537	06/15/2017	CIVIL ACTION NO. 1:17-CV-2248-WSD 465 08:1329; SIX E-SUMMONS ISSUED. Case Initiating Documents-Complaint Iqbal Surani vs. Jeff Sessions. Filing fee $ 400, receipt number 113E-7211740. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Exhibit B, # 4 Exhibit C, # 5 Exhibit D, # 6 Exhibit E, # 7 Exhibit F, # 8 Exhibit G, # 9 Exhibit H, # 10 Exhibit I, # 11 Summons, # 12 Summons, # 13 Summons, # 14 Summons, # 15 Summons, # 16 Summons)(Claffey, Danielle) (jaw). (Entered: 06/15/2017)	
1538	06/16/2017	CIVIL ACTION NO. 1:17-CV-2258-SCJ-JFK 480 15:1681; NOE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Johnny Coleman, III vs. Equifax Information Services, LLC and Peoples Credit Co., Inc.,. Filing fee $ 400, receipt number 113E-7212542. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam) (jaw). (Entered: 06/16/2017)	
1539	06/16/2017	CIVIL ACTION NO. 1:17-CV-2259-CAP-JFK 442 42:2000sx; ONE E-SUMMONS ISSUED. ACADEMY OF PRESCHOOL AND CHILD CARE, INC.. Filing fee $ 400, receipt number 113E-7212423. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Roberts, Victor) (jaw). (Entered: 06/16/2017)	
1540	06/16/2017	CIVIL ACTION NO. 1:17-CV-2260-LMM 890 47:0227; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint BEVERLY THOMAS vs. SMARTPAY LEASING, LLC. Filing fee $ 400, receipt number 113E-7213095. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Gomez, Octavio) (jaw). (Entered: 06/16/2017)	
1541	06/16/2017	CIVIL ACTION NO. 1:17-CV-2261-WSD 462 08:1446; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Billy Osawaru vs. James McCament. Filing fee $ 400, receipt number 113E-7213242. (Attachments: # 1 Exhibit LPR Card, # 2 Exhibit N-400 Receipt Notice, # 3 Exhibit Biometrics Notice, # 4 Exhibit Interview Notice, # 5 Exhibit Interview Results, # 6 Exhibit Case Status, # 7 Summons McCament Summons, # 8 Summons Riddle Summons, # 9 Summons Sessions Summons, # 10 Summons Horn Summons, # 11 Civil Cover Sheet Civil Cover Sheet)(Dutta, Kreetee) (jaw). (Entered: 06/16/2017)	
1542	06/16/2017	CIVIL ACTION NO. 1:17-CV-2262-TCB 370 28:1441fr; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Heather & Asa DeBuck vs. Volkswagen Group of America, Inc.. Filing fee $ 400, receipt number 113E-7213432. (Attachments: # 1 Exhibit A (State Court File), # 2 Exhibit B (Notice of Filing Notice of Removal), # 3 Certificate of Interested Parties, # 4 Civil Cover Sheet)(Hollis, James) (jaw). (Entered: 06/16/2017)	
1543	06/16/2017	CIVIL ACTION NO. 1:17-CV-2263-TWT-LTW 442 42:2000ra;	

#	Date	Proceeding Text	Source
		ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint David Mangan, II vs. LAZ PARKING/GEORGIA, LLC. Filing fee $ 400, receipt number 113E-7213702. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Miller, Adian) (jaw). (Entered: 06/16/2017)	
1544	06/16/2017	TRO - CIVIL ACTION NO. 1:17-CV-2264-RWS 791 29:1132; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal. Filing fee $ 400, receipt number 113E-7213920. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Civil Cover Sheet)(Theriot, Jaime) (jaw). (Entered: 06/16/2017)	
1545	06/16/2017	CIVIL ACTION NO. 1:17-CV-2266-WSD 446 42:12101; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Futch, Thomas H. vs. Steakhouse Express, Inc.. Filing fee $ 400, receipt number 113E-7214274. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Steakhouse Express, Inc., # 3 Summons as to Defendant PDK Partners, LLC)(Ehrlich, Craig) (jaw). (Entered: 06/16/2017)	
1546	06/16/2017	CIVIL ACTION NO. 1:17-CV-2269-TCB-AJB 442 42:2000ra; THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Derick Okwan vs. Emory Healthcare Inc.. Filing fee $ 400, receipt number 113E-7214754. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Summons - Emory Healthcare, # 3 Summons Summons - Emory University, # 4 Summons Summons - Shu)(Barry, Micah) (jaw). (Entered: 06/16/2017)	
1547	06/16/2017	CIVIL ACTION NO. 1:17-CV-2270-SCJ 850 15:0078;FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint Employees' Retirement System of the City of Baton Rouge and Parish of East Baton Rouge, on behalf of itself and all others similarly situated vs. Aaron's, Inc.. Filing fee $ 400, receipt number 113E-7214765. (Attachments: # 1 Exhibit - Certification, # 2 Civil Cover Sheet, # 3 Summons - Aaron's, Inc., # 4 Summons - Gilbert L. Danielson, # 5 Summons - John W. Robinson, # 6 Summons - Ryan K. Woodley)(Caplan, Michael) (jaw). (Entered: 06/16/2017)	
1548	06/16/2017	CIVIL ACTION NO. 1:17-cv-2272-MHC 190 28:1332oc Case Initiating Documents-Complaint Washington Mutual Mortgage Securities Corp. vs. Plaza Home Mortgage, Inc.. Filing fee $ 400, receipt number 113E-7214706. (Attachments: # 1 Exhibit Exhibit A to Complaint, # 2 Summons Summons, # 3 Civil Cover Sheet Civil Cover Sheet)(Hansen, Brian) One (1) e-summons issued. (akr). (Entered: 06/16/2017)	
1549	06/16/2017	CIVIL ACTION NO. 1:17-cv-2273-ELR 190 28:1332oc. Case Initiating Documents-Complaint Colossal Construction Company, LLC vs. Timothy Haahs & Associates, Inc.. Filing fee $ 400, receipt number 113E-7214874. (Attachments: # 1 Affidavit Exhibit A to Complaint - Affidavit of Hughes, # 2 Summons Summons for Timothy Haahs & Associates, Inc., # 3 Civil Cover Sheet Civil Cover Sheet)(Bellus, John) One (1) e-summons issued. (akr). (Entered: 06/16/2017)	
1550	06/16/2017	CIVIL ACTION NO. 1:17-cv-2272-MHC. SUBMISSION of additional attachments re: 1548 Case Initiating Documents-Complaint,. (Hansen, Brian) (akr). (Entered: 06/16/2017)	
1551	06/16/2017	CIVIL ACTION NO. 1:17-cv-2274-AT 350 28:1441mv. Case Initiating Documents-Notice of Removal, Niclos Joseph vs. Anatolie Gurin. Filing fee $ 400, receipt number 113E-7214919. (Attachments: # 1 Exhibit Exhibits A - D, # 2 Civil Cover Sheet Civil Cover Sheet)(Neal, Sharon) No e-summons issued. (akr). (Entered: 06/16/2017)	
1552	06/16/2017	CIVIL ACTION NO. 1:17-cv-2276-SCJ 360 28:1441pi. Case	

#	Date	Proceeding Text	Source
		Initiating Documents-Notice of Removal, Lorna Gurley vs. Target Corporation. Filing fee $ 400, receipt number 113E-7214975. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exhibit A Fulton State pleadings, # 3 Exhibit Exhibit B Discovery, # 4 Exhibit Exhibit C Medical Bills, # 5 Exhibit Exhibit D Certificate of Incorporation, # 6 Exhibit Exhibit E Motion to Dismiss Rekena Smith and Order Granting Motion to Dismiss, # 7 Exhibit Exhibit F Filed Stamped Notice of Removal)(Dermer, Stephen) No e-summons issued. (akr). (Entered: 06/16/2017)	
1553	06/18/2017	CIVIL ACTION NO. 1:17-cv-2277-LMM 480 15:1692. Case Initiating Documents-Complaint Jessica Brown vs. SWC Group LP. Filing fee $ 400, receipt number 113E-7215099. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to SWC Group LP)(Carlson, Clifford) One (1) e-summons issued. (akr). (Entered: 06/18/2017)	
1554	06/19/2017	CIVIL ACTION NO. 1:17-cv-2274-AT 350 28:1441mv. SUBMISSION of additional attachments re: 1551 Case Initiating Documents-Notice of Removal. (Neal, Sharon) (akr). (Entered: 06/19/2017)	
1555	06/19/2017	CIVIL ACTION NO. 1:17-cv-2278-AT-RGV 442 42:2000ra. Case Initiating Documents-Complaint Carolyn Bolivar vs. Employbridge, LLC d/b/a ResourceMFG. Filing fee $ 400, receipt number 113E-7215630. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Ragan, Amelia) One (1) e-summons issued. (akr). (Entered: 06/19/2017)	
1556	06/19/2017	CIVIL ACTION NO. 1:17-cv-2274-AT. SUBMISSION of additional attachments re: 1551 Case Initiating Documents-Notice of Removal,. (Neal, Sharon) (akr). (Entered: 06/19/2017)	
1557	06/19/2017	CIVIL ACTION NO. 1:17-cv-2282-CAP 350 28:1441mv. Case Initiating Documents-Notice of Removal, Jared Binion vs. Mahad Mohamed. Filing fee $ 400, receipt number 113E-7215947. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exhibit A - All Pleadings Filed in State Court Case, # 3 Exhibit Exhibit B - Def's First RFAs to Plaintiff, # 4 Exhibit Exhibit C - State Court Notice of Filing Removal)(Becknell, Leslie) No e-summons issued. (akr). (Entered: 06/19/2017)	
1558	06/19/2017	CIVIL ACTION NO. 1:17-cv-2284-TWT-JFK. Case Initiating Documents-Complaint William Pittman vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) E-summons not issued; summons will be e-issued by dkt clerk upon IFP approval. (akr). (Entered: 06/19/2017)	
1559	06/19/2017	CIVIL ACTION NO. 1:17-cv-2285-WSD-RGV 480 15:1681. Case Initiating Documents-Complaint Garfield Schroeter and Barbara L. Schroeter vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7216219. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) No e-summons issued. (akr). (Entered: 06/19/2017)	
1560	06/19/2017	CIVIL ACTION NO. 1:17-cv-2286-TCB 110 28:2201in. Case Initiating Documents-Complaint Endurance American Specialty Insurance Company vs. Tech Roof Pros, Inc.. Filing fee $ 400, receipt number 113E-7216348. (Attachments: # 1 Exhibit Exhibit A to Complaint, # 2 Exhibit Exhibit B to Complaint, # 3 Civil Cover Sheet Civil Cover Sheet, # 4 Summons Summons to Tech Roof Pros, # 5 Summons Summons to Furniture Rentals, Inc.)(Friedman, Seth) Two (2) e-summons issued. (akr). (Entered: 06/19/2017)	
1561	06/19/2017	CIVIL ACTION NO. 1:17-cv-2288-LMM 110 28:2201in. Case	

#	Date	Proceeding Text	Source
		Initiating Documents-Complaint Stefan Frame vs. Frankenmuth Mutual Insurance Company. Filing fee $ 400, receipt number 113E-7216671. (Attachments: # 1 Exhibit, # 2 Exhibit, # 3 Civil Cover Sheet, # 4 Summons)(Hine, Edward) One (1) e-summons issued. (akr). (Entered: 06/19/2017)	
1562	06/19/2017	CIVIL ACTION NO. 1:17-cv-2289-RWS 365 28:1332pl. Case Initiating Documents-Complaint Sonia Stephens vs. Johnson & Johnson. Filing fee $ 400, receipt number 113E-7216918. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Smith, Michael) Two (2) e-summons issued. (akr). (Entered: 06/19/2017)	
1563	06/19/2017	CIVIL ACTION NO. 1:17-cv-2291-ELR 110 28:2201in. Case Initiating Documents-Complaint ALLIANZ GLOBAL RISKS US INSURANCE COMPANY vs. GREAT AMERICAN INSURANCE COMPANY. Filing fee $ 400, receipt number 113E-7217018. (Attachments: # 1 Statement of Material Facts Allianz Global Complaint against Great American Insurance)(Brieske, James) No e-summons issued. (akr). (Entered: 06/19/2017)	
1564	06/19/2017	CIVIL ACTION NO. 1:17-cv-2292-ODE 625 21:0881. Case Initiating Documents-Complaint United States of America vs. $150,000.00 In United States Currency. No payment received. (Attachments: # 1 Civil Cover Sheet)(Brown, Michael) No e-summons issued. (akr). (Entered: 06/19/2017)	
1565	06/19/2017	CIVIL ACTION NO. 1:17-cv-2293-TWT 710 29:0216b. Case Initiating Documents-Complaint Keith Mason vs. Atlanta Beverage Company. Filing fee $ 400, receipt number 113E-7216972. (Attachments: # 1 Summons Summons of Atlanta Beverage Company, # 2 Civil Cover Sheet Civil Cover Sheet)(Mills, Michael) One (1) e-summons issued. (akr). (Entered: 06/19/2017)	
1566	06/19/2017	TRO. CIVIL ACTION NO. 1:17-cv-2294-RWS 220 28:1444. Case Initiating Documents-Notice of Removal, Christopher M. Hunt, Sr, vs. Nationstar Mortgage LLC. Filing fee $ 400, receipt number 113E-7217146. (Attachments: # 1 Exhibit A (State Court Filings), # 2 Exhibit B (Secretary of State Listing), # 3 Exhibit C (Tax Assessors Records), # 4 Exhibit D (Security Deed), # 5 Exhibit E (Notice of Filing Notice of Removal), # 6 Certificate of Interested Parties, # 7 Civil Cover Sheet)(Anulewicz, Christopher) No e-summons issued. (akr). (Entered: 06/19/2017)	
1567	06/19/2017	CIVIL ACTION NO. 1:17-cv-2295-SCJ 446 42:12101. Case Initiating Documents-Complaint Holt, Dakota vs. Reisner Restaurants, Inc.. Filing fee $ 400, receipt number 113E-7217470. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Reisner Restaurants, Inc., # 3 Summons as to Defendant Desert Storm Development, LLC)(Ehrlich, Craig) Two (2) e-summons issued. (akr). (Entered: 06/19/2017)	
1568	06/19/2017	CIVIL ACTION NO. 1:17-CV-2297-MHC 446 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint KATHERINE SMITH vs. MEDIEVAL TIMES GEORGIA, INC.. Filing fee $ 400, receipt number 113E-7217952. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate of Interested Persons)(Burns, Heather)(smw). (Entered: 06/19/2017)	
1569	06/20/2017	CIVIL ACTION NO. 1:17-CV-2299-TCB CMS 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Teya Lucas vs. Global Credit & Collection Corp.. Filing fee $ 400, receipt number 113E-7218031. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Mason, Jonathan)(smw). (Entered: 06/20/2017)	
1570	06/20/2017	CIVIL ACTION NO. 1:17-CV-2302-ELR LTW 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint	

#	Date	Proceeding Text	Source
		Samuel Wright vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 06/20/2017)	
1571	06/20/2017	CIVIL ACTION NO. 3:17-CV-85-TCB 47:605 490 Case Initiating Documents-Complaint J & J Sports Productions, Inc. vs. Anuj M. Patel d/b/a Fusion Hookah Lounge and Night Club. Filing fee $ 400, receipt number 113E-7218663. (Attachments: # 1 Civil Cover Sheet, # 2 Summons for Anuj M. Patel, # 3 Certificate as to Interested Parties and Corporate Disclosure Statement)(Reemsnyder, Ronald) DOCUMENTS FILED IN INCORRECT DIVISION SHELL CASE. DOCUMENTS FORWARDED TO NEWNAN ON 06/20/2017 BY SWB(smw). (Entered: 06/20/2017)	
1572	06/20/2017	CIVIL ACTION NO. 1:17-CV-2306-MHC 110 28:1441in. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Rodney S. Cohen vs. State Farm Fire and Casualty Company. Filing fee $ 400, receipt number 113E-7219346. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Exhibit B)(Johnson, Myrece)(smw). (Entered: 06/20/2017)	
1573	06/20/2017	CIVIL ACTION NO. 1:17-CV-2307-ODE 367 28:1332wd. SIX E-SUMMONS ISSUED. Case Initiating Documents-Complaint Linda Hoard vs. Covidien LP. Filing fee $ 400, receipt number 113E-7219452. (Attachments: # 1 Exhibit Exhibit 1, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Summons Covidien LP, # 4 Summons Covidien Holdings Inc., # 5 Summons Covidien Sales LLC, # 6 Summons Intuitive Surgical, Inc., # 7 Summons Intuitive Surgical Operations, Inc., # 8 Summons Medtronic Inc.)(Harman, Matthew)(smw). (Entered: 06/20/2017)	
1574	06/20/2017	CIVIL ACTION NO. 1:17-CV-2309-AT 791 29:1132. NINE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Arthur Stanton vs. The NCR Pension Plan. Filing fee $ 400, receipt number 113E-7219862. (Attachments: # 1 Civil Cover Sheet, # 2 Summons NCR Pension Plan Summons, # 3 Summons Pension & Benefits Committee Summons, # 4 Summons NCR Summons, # 5 Summons Ledford Summons, # 6 Summons Levinson Summons, # 7 Summons Boykin Summons, # 8 Summons Daichendt Summons, # 9 Summons Chu Summons, # 10 Summons McGuire Summons, # 11 Exhibit, # 12 Exhibit, # 13 Exhibit, # 14 Exhibit, # 15 Exhibit, # 16 Exhibit, # 17 Exhibit, # 18 Exhibit, # 19 Exhibit, # 20 Exhibit, # 21 Exhibit)(Sharman, Paul)(smw). (Entered: 06/20/2017)	
1575	06/20/2017	CIVIL ACTION NO. 1:17-CV-2316; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Pamela Ballard vs. Wilshire Insurance Company. Filing fee $ 400, receipt number 113E-7220474. (Attachments: # 1 Exhibit A - Complaint, # 2 Exhibit B - State Ct. Answer and Affirmative Defenses, # 3 Exhibit C - State Ct. Notice of Removal, # 4 Civil Cover Sheet, # 5 Exhibit Defendants Wilshire Insurance Company and JC Propst Trucking LLC's Corporate Disclosure and Certificate of Interested Persons)(Harris, Roger) (jaw). (Entered: 06/20/2017)	
1576	06/21/2017	CIVIL ACTION NO. 1:17-CV-2317-SCJ 360 28:1441pi; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Deborah Bradley vs. Wal-Mart Stores, Inc.. Filing fee $ 400, receipt number 113E-7220933. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Demand Letter, # 3 Exhibit B - State Court Pleadings)(Lessinger, Howard) (jaw). (Entered: 06/21/2017)	

#	Date	Proceeding Text	Source
1577	06/21/2017	CIVIL ACTION NO. 1:17-CV-2318-SCJ 422 28:0158; NO E-SUMMONS ISSUED. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 17-59287-wlh. Notice of Appeal filed 6/20/17 from Order entered 6/14/17 by Appellant Tionna-Bennett-Perry, Tionna Pery. Fee Paid: No. (Attachments: # 1 doc15-NOA, # 2 doc13-Order, # 3 doc16-waiver, # 4 docket sheet)(Lugo, Yahaira) (jaw). (Entered: 06/21/2017)	
1578	06/21/2017	CIVIL ACTION NO. 1:17-CV-2320-LMM 350 28:2679; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Kendra Martin vs. Eva Watkins. No payment received. (Attachments: # 1 Exhibit A - Certification, # 2 Exhibit B - State Court Complaint, # 3 Civil Cover Sheet)(Mendel, Gabriel) (jaw). (Entered: 06/21/2017)	
1579	06/21/2017	CIVIL ACTION NO. 1:17-CV-2322-MHC CMS 480 15:1692; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Steven H. Koval vs. Financial Asset Management Systems, Inc.. Filing fee $ 400, receipt number 113E-7221952. (Attachments: # 1 Exhibit A - FAMS Letter of March 28, 2017, # 2 Exhibit B - FAMS Letter of April 12, 2017, # 3 Summons for Financial Asset Management Systems, Inc., # 4 Civil Cover Sheet)(Hurt, James) (jaw). (Entered: 06/21/2017)	
1580	06/21/2017	CIVIL ACTION NO. 1:17-CV-2323 MHC LTW 371 15:1601; SEE 1581 FOR COMPLAINT; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Thomas M. Brannon vs. First-Citizens Bank & Trust Company, Inc. Filing fee $ 400, receipt number 113E-7222095. (Stokes, Marion) (jaw). (Entered: 06/21/2017)	
1581	06/21/2017	SUBMISSION of additional attachments re: 1580 ; 1:17-CV-2323-MHC LTW; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal. (Attachments: # 1 Exhibit Ex. A - Summons and Complaint, # 2 Exhibit Ex. B - O'Hare Affidavit, # 3 Exhibit Ex. C - Notice to State Court)(Stokes, Marion) (jaw). (Entered: 06/21/2017)	
1582	06/21/2017	CIVIL ACTION NO. 1:17-CV-2324-RWS 367 28:1332pl; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint KATHY EDWARDS vs. Johnson & Johnson. Filing fee $ 400, receipt number 113E-7222281. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Smith, Michael) (jaw). (Entered: 06/21/2017)	
1583	06/21/2017	CIVIL ACTION NO. 1:17-CV-2325-AT JFK 445 42:12101; ONE E-Summons ISSUED. Case Initiating Documents-Complaint Toucheyanna Pugh vs. Dermatology & Skin Cancer Prevention Center, Inc.. Filing fee $ 400, receipt number 113E-7222333. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Ragan, Amelia) (jaw). (Entered: 06/21/2017)	
1584	06/21/2017	CIVIL ACTION NO. 1:17-CV-2326-AT JSA 220 28:1444; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Shirley Adams-Brown vs. Caliber Home Loans, Inc.. Filing fee $ 400, receipt number 113E-7222359. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Exhibit A to Notice of Removal, # 3 Exhibit Exhibit B to Notice of Removal, # 4 Exhibit Exhibit Modified on 6/21/2017 (jaw). (Entered: 06/21/2017)	
1585	06/21/2017	CIVIL ACTION NO. 1:17-cv-2346-MHC 190 28:1332bc. REQUEST CASE INITIATION BE CANCELLED PER ED WILLARD, ASSISTANT ATTORNEY TO ROBERT D'CRUZ. ATTY WILL COMPLETE APPLICATION FOR RETURN OF FEES. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7222387. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Exhibit 6, #	

#	Date	Proceeding Text	Source
		7 Civil Cover Sheet, # 8 Summons Defendant Zenga, # 9 Summons Defendant Adams, # 10 Summons Defendant Artech)(D'Cruz, Robert) ((jaw). No e-summons issued. (akr). (Entered: 06/21/2017)	
1586	06/21/2017	CIVIL ACTION NO. 1:17-CV-2327-SCJ LTW 442 42:2000ra; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Donna Bolden vs. Madaris Siding & Windows Atlanta, LLC. Filing fee $ 400, receipt number 113E-7222531. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Ragan, Amelia) (jaw). (Entered: 06/21/2017)	
1587	06/21/2017	CIVIL ACTION NO. 1:17-CV-2328-CAP AJB 480 15:1692; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tamika Dunner vs. Roosen, Varchetti & Olivier, PLLC. Filing fee $ 400, receipt number 113E-7222965. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Mason, Jonathan) (jaw). (Entered: 06/21/2017)	
1588	06/21/2017	CIVIL ACTION NO. 1:17-CV-2329-LMM 190 28:1332bc; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Balch & Bingham LLP vs. Specialized Loan Servicing, LLC. Filing fee $ 400, receipt number 113E-7223225. (Attachments: # 1 Exhibit A (Engagement Agreement), # 2 Exhibit B (Motion for Attorneys' Fees), # 3 Exhibit C (Demand Letter), # 4 Civil Cover Sheet, # 5 Summons, # 6 Certificate of Interested Parties)(Anulewicz, Christopher) (jaw). (Entered: 06/21/2017)	
1589	06/21/2017	CIVIL ACTION NO. 1:17-cv-2332-ELR 442 42:1983cv. Case Initiating Documents-Notice of Removal, Oscar Dawson vs. City of Atlanta. Filing fee $ 400, receipt number 113E-7223335. (Attachments: # 1 Exhibit A - Complaint, # 2 Exhibit B - Notice of Filing Notice of Removal)(Clarke, Joan) No e-summons issued. (akr). (Entered: 06/21/2017)	
1590	06/21/2017	CIVIL ACTION NO. 1:17-cv-2333-CAP 710 29:0216b. Case Initiating Documents-Complaint HOWARD STALLING vs. INTEC COMMUNICATIONS, LLC. Filing fee $ 400, receipt number 113E-7223411. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Roberts, Victor) One (1) e-summons issued. (akr). (Entered: 06/21/2017)	
1591	06/21/2017	CIVIL ACTION NO. 1:17-cv-2332-ELR. SUBMISSION of additional attachments re: 1589 Case Initiating Documents-Notice of Removal. (Clarke, Joan) (akr). (Entered: 06/21/2017)	
1592	06/21/2017	CIVIL ACTION NO. 1:17-cv-2332-ELR. SUBMISSION of additional attachments re: 1589 Case Initiating Documents-Notice of Removal. (Clarke, Joan) (akr). (Entered: 06/21/2017)	
1593	06/22/2017	CIVIL ACTION NO. 1:17-cv-2337-LMM AJB 863 42:0405wc. Case Initiating Documents-Complaint CAMILLE ELAINE LUCAS vs. NANCY A. BERRYHILL, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Motion to File IFP, # 3 Application to File IFP, # 4 Summons Defendant c/o OGC, # 5 Summons US Atty, # 6 Summons Atty Gen)(Hogan, John) E-summons not issued; summons will be e-issued by dkt clerk upon IFP approval. (akr). (Entered: 06/22/2017)	
1594	06/22/2017	CIVIL ACTION NO. 1:17-cv-2338-MHC JSA 864 42:0405id. Case Initiating Documents-Complaint James vs. McLester. No payment received. (Attachments: # 1 Text of Proposed Order Order, # 2 Complaint, # 3 Application, # 4 Civil Cover Sheet, # 5 Attorney General, # 6 General Counsel, # 7 US Attorney)(Flynn, Jeffrey) E-summons not issued; summons will be e-issued by dkt clerk upon IFP approval. (akr). (Entered: 06/22/2017)	
1595	06/22/2017	CIVIL ACTION NO. 1:17-cv-2340-CAP CMS 863 42:0405ww.	

#	Date	Proceeding Text	Source
		Case Initiating Documents-Complaint Derrick Shawn Lazenby vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) E-summons not issued; summons will be e-issued by dkt clerk upon IFP approval. (akr). (Entered: 06/22/2017)	
1596	06/22/2017	CIVIL ACTION NO. 1:17-cv-2341-WSD 360 28:1441pi. Case Initiating Documents-Notice of Removal, Yvette Adelle Sanders vs. QuikTrip Corporation. Filing fee $ 400, receipt number 113E-7224795. (Attachments: # 1 Exhibit A - (State Court Pleadings), # 2 Civil Cover Sheet)(Leet, Nicole) No e-summons issued. (akr). (Entered: 06/22/2017)	
1597	06/22/2017	CIVIL ACTION NO. 1:17-cv-2344-LMM JKL 863 42:0405ww. Case Initiating Documents-Complaint Cynthia Ann Crews vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) E-summons not issued; summons will be e-issued by dkt. clerk upon IFP approval. (akr). (Entered: 06/22/2017)	
1598	06/22/2017	CIVIL ACTION NO. 1:17-cv-2345-LMM 446 42:12101. Case Initiating Documents-Complaint Blinkhorn, Jessica vs. GCSC, Inc.. Filing fee $ 400, receipt number 113E-7225171. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant GCSC, Inc., # 3 Summons as to Defendant General Convenience Store, LLC)(Ehrlich, Craig) Two (2) e-summons issued. (akr). (Entered: 06/22/2017)	
1599	06/22/2017	MISCELLANEOUS CASE NO. 1:17-mi-0055. Case Initiating Documents-Miscellaneous (Motion to Quash), United States vs. Amos Zeichner. No payment received. (Attachments: # 1 Affidavit of Kari Powell, # 2 Exhibit 1 (Complaint), # 3 Exhibit 2 (Initial Disclosure), # 4 Exhibit 3 (Subpoena), # 5 Exhibit 4 (Email), # 6 Exhibit 5 (Block Deposition), # 7 Exhibit 6 (Foreign Translation), # 8 Exhibit 7 (Zeichner Deposition), # 9 Civil Cover Sheet)(Powell, Kari) No e-summons issued. (akr). (Entered: 06/22/2017)	
1600	06/22/2017	CIVIL ACTION NO. 1:17-cv-2347-ELR 710 28:1441bc. Case Initiating Documents-Notice of Removal, Mar-Kel Ops, Inc. vs. Sunz Insurance Company. Filing fee $ 400, receipt number 113E-7225180. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet)(Adler, Jennifer) No e-summons issued. (akr). (Entered: 06/22/2017)	
1601	06/22/2017	CIVIL ACTION NO. 1:17-cv-2348-CAP 350 28:1441mv. Case Initiating Documents-Notice of Removal, Nicholas Harden vs. David Green. Filing fee $ 400, receipt number 113E-7225423. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Exhibit A, # 3 Exhibit Exhibit B)(Lovell, Dennis) No e-summons issued. (akr). (Entered: 06/22/2017)	
1602	06/22/2017	CIVIL ACTION NO. 1:17-cv-2350-WSD JFK 863 42:0405ww. Case Initiating Documents-Complaint Faith Stewart vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) E-summons not issued; summons will be e-issued by dkt. clerk upon IFP approval. (akr). (Entered: 06/22/2017)	
1603	06/22/2017	CIVIL ACTION NO. 1:17-CV-2351-TCB 791 29:1132. NO E-Summons ISSUED. Case Initiating Documents-Complaint Kevin Rubin vs. Blue Cross Blue Shield Healthcare Plan of Georgia,	

#	Date	Proceeding Text	Source
		Inc.. Filing fee $ 400, receipt number 113E-7225812. (Attachments: # 1 Summons, # 2 Civil Cover Sheet, # 3 Exhibit, # 4 Exhibit, # 5 Exhibit)(King, Scott) SUMMONS NOT E-ISSUED DUE TO THE OMISSION OF ATTY ADDRESS.(smw). (Entered: 06/22/2017)	
1604	06/23/2017	CIVIL ACTION NO 1:17-CV-2353-MHC AJB 445 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Anthony Adams vs. Wal-Mart Stores East, L.P.. Filing fee $ 400, receipt number 113E-7226077. (Attachments: # 1 Exhibit A, # 2 Summons, # 3 Civil Cover Sheet)(Weiner, Andrew) (smw). (Entered: 06/23/2017)	
1605	06/23/2017	CIVIL ACTION NO. 1:17-CV-2354-SCJ LTW 863 42:0405ww. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Truett Gregory Hill vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 06/23/2017)	
1606	06/23/2017	CIVIL ACTION NO. 1:17-CV-2355-ELR JSA 442 42:1981ra. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jane Edwards vs. TailorMade Executive, LLC. Filing fee $ 400, receipt number 113E-7226352. (Attachments: # 1 Exhibit FLSA Consent Forms, # 2 Civil Cover Sheet)(McCabe, James) (smw). (Entered: 06/23/2017)	
1607	06/23/2017	CIVIL ACTION NO. 1:17-CV-2359-CAP JCF 220 28:1444. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Eloyce Z. Davis vs. Select Portfolio Servicing, Inc.. Filing fee $ 400, receipt number 113E-7226726. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Fiorilla, Louis)(smw). (Entered: 06/23/2017)	
1608	06/23/2017	CIVIL ACTION NO. 1:17-CV-2360-CAP JCF 442 42:2000sx. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Anthony Lewis, Jr. vs. Bank of America. Filing fee $ 400, receipt number 113E-7226469. (Attachments: # 1 Exhibit Summons and Complaint, # 2 Civil Cover Sheet)(Moser, Theresia)(smw). (Entered: 06/23/2017)	
1609	06/23/2017	CIVIL ACTION NO. 1:17-CV-2361-ELR 422 28:0158. NO E-SUMMONS ISSUED. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 15-52160-pwb. Notice of Appeal filed 6/22/17 from Order entered 6/9/17 by Appellant Florence H. Sumner. Fee Paid: No. (Attachments: # 1 NOA doc127, # 2 Order doc123, # 3 docket report)(Lugo, Yahaira)(smw). (Entered: 06/23/2017)	
1610	06/23/2017	CIVIL ACTION NO. 1:17-CV-2362-WSD JKL 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Keane Dillard vs. Equifax Information Services, LLC; Experian Information Solutions, Inc.; and United Consumer Financial Services Company. Filing fee $ 400, receipt number 113E-7227354. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam) (smw). (Entered: 06/23/2017)	
1611	06/23/2017	CIVIL ACTION NO. 1:17-CV-2363-TCB 830 28:1338pt. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Nutramax Laboratories, Inc. vs. Davis Manufacturing and Packaging, Inc.. Filing fee $ 400, receipt number 113E-7227327. (Attachments: # 1 Exhibit A - US 6,797,289, # 2 Exhibit B - US 8,753,697, # 3 Exhibit C - Davis Mfg. FlexiJoint Webpage, # 4 Exhibit D - Amazon.com FlexiJoint Webpage, # 5 Exhibit E -	

#	Date	Proceeding Text	Source
		FlexiJoint product label, # 6 Civil Cover Sheet, # 7 Summons)(Heard, Preston) (smw). (Entered: 06/23/2017)	
1612	06/23/2017	CIVIL ACTION NO. 1:17-CV-2364-TWT CMS 442 29:0626. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Vasiliki Kouveli vs. USA Truck, Inc.. Filing fee $ 400, receipt number 113E-7227475. (Attachments: # 1 Civil Cover Sheet, # 2 Summons USA Truck, Inc., # 3 Summons R.R. Donnelley & Sons Company)(Smith, Ian)(smw). (Entered: 06/23/2017)	
1613	06/23/2017	CIVIL ACTION NO. 1:17-CV-2365-AT 895 05:0552. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Southeastern Legal Foundation, Inc. vs. United States Environmental Protection Agency. Filing fee $ 400, receipt number 113E-7227280. (Attachments: # 1 Exhibit A to Complaint, # 2 Exhibit B to Complaint, # 3 Exhibit C to Complaint, # 4 Exhibit D to Complaint, # 5 Exhibit E to Complaint, # 6 Exhibit F to Complaint, # 7 Exhibit G to Complaint, # 8 Exhibit H to Complaint, # 9 Exhibit I to Complaint, # 10 Exhibit J to Complaint, # 11 Exhibit K to Complaint, # 12 Exhibit L to Complaint, # 13 Exhibit M to Complaint, # 14 Exhibit N to Complaint, # 15 Exhibit O to Complaint, # 16 Civil Cover Sheet, # 17 Summons to EPA, # 18 Summons to U.S. Attorney General, # 19 Summons to U.S. Attorney NDGA, # 20 Certificate of Interested Persons and Corporate Disclosure Statement)(Hermann, Kimberly)(smw). (Entered: 06/23/2017)	
1614	06/23/2017	CIVIL ACTION NO. 1:17-CV-2366-SCJ 350 28:1441mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Maher Elsayed vs. Laketa Pennington. Filing fee $ 400, receipt number 113E-7227649. (Attachments: # 1 Exhibit Exhibit A, # 2 Civil Cover Sheet Civil Cover Sheet)(Wehunt, J. Marshall)(smw). (Entered: 06/23/2017)	
1615	06/23/2017	CIVIL ACTION NO. 1:17-CV-2367-LMM 355 28:1332ml. FIVE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tricia Johnson vs. Takata Corporation. Filing fee $ 400, receipt number 113E-7227762. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Bayerische Motoren Werke AG, # 3 Summons BMW Manufacturing Co., LLC, # 4 Summons BMW of North America, LLC, # 5 Summons Takata Corporation, # 6 Summons TK Holdings Inc., # 7 Exhibit Certification of Interested Parties)(Dean, Kevin) smw). (Entered: 06/23/2017)	
1616	06/23/2017	CIVIL ACTION NO. 1:17-CV-2370-ODE AJB 480 15:1681. THREE E-Summons ISSUED. Case Initiating Documents-Complaint Michelle Gray vs. Verizon Wireless, et al. Filing fee $ 400, receipt number 113E-7227866. (Attachments: # 1 Summons, # 2 Summons, # 3 Summons, # 4 Civil Cover Sheet)(Hormozdi, Shireen)(smw). (Entered: 06/23/2017)	
1617	06/23/2017	CIVIL ACTION NO. 1:17-CV-2371-AT WEJ 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Alicia Steele vs. Credit Collection Services, Inc.. Filing fee $ 400, receipt number 113E-7228082. (Attachments: # 1 Civil Cover, # 2 Summons, # 3 Cert of Interested Persons, # 4 Ex. 1, # 5 Ex. 2, # 6 Ex. 3, # 7 Ex. 4, # 8 Ex. 5, # 9 Supplement Verification Aff. Steele)(Prado, David)(smw). (Entered: 06/23/2017)	
1618	06/23/2017	CIVIL ACTION NO. 1:17-CV-2373-AT 830 28:1338pt; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Premier Pet Products, LLC vs. Tommy Carter d/b/a Carter Pet Supply. Filing fee $ 400, receipt number 113E-7228366. (Attachments: # 1 Exhibit 1 - '322 Patent, # 2 Exhibit 2 - April 5, 2017 Letter, # 3 Exhibit 3 - June 22, 2017 Letter, # 4 Exhibit 4 - Email, # 5 Civil Cover Sheet 5 - Civil Cover Sheet, # 6 Summons 6 - Summons)(Crosby, L.) (jaw). (Entered: 06/23/2017)	

#	Date	Proceeding Text	Source
1619	06/24/2017	CIVIL ACTION NO. 1:17-CV-2375-LMM JSA 480 15:1692; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Stephanie Releford vs. Allied Interstate LLC. Filing fee $ 400, receipt number 113E-7228516. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - February 25, 2016 Letter, # 3 Exhibit B - Return Receipt for February 25, 2016 Letter, # 4 Exhibit C - July 15, 2016 Dunning Letter, # 5 Summons as to Allied Interstate LLC, # 6 Summons as to LVNV Funding LLC)(Carlson, Clifford) (jaw). (Entered: 06/24/2017)	
1620	06/26/2017	CIVIL ACTION NO. 1:17-CV-2378-MHC 110 28:2201in; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint ProAssurance Casualty Company vs. Robert T. Thompson, Jr.. Filing fee $ 400, receipt number 113E-7229127. (Attachments: # 1 Exhibit 1 (September 2012-2013 Policy), # 2 Exhibit 2 (September 2013-2014 Policy), # 3 Exhibit 3 (First DJ Action), # 4 Exhibit 4 (Judge Cohen Order Rescinding Policy and DJ Judgment of No Coverage), # 5 Exhibit 5 (Barron Complaint), # 6 Civil Cover Sheet, # 7 Summons Thompson, # 8 Summons TLG, # 9 Summons Barron)(Carr, W.) (jaw). (Entered: 06/26/2017)	
1621	06/26/2017	CIVIL ACTION NO. 1:17-CV-2380-AT JKL 442 42:2000sx; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Elliott Thompson vs. Paramount Staffing, LLC. Filing fee $ 400, receipt number 113E-7229238. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Paramount Staffing Agency, # 3 Summons Trident Asset Management)(Mixon, J.) (jaw). (Entered: 06/26/2017)	
1622	06/26/2017	CIVIL ACTION NO. 1:17-CV-2384-AT JSA 220 28:1444; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Nerma Sanquenette McCrary vs. Nationstar Mortgage, LLC. Filing fee $ 400, receipt number 113E-7229523. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Rhadans, Allison) (jaw). (Entered: 06/26/2017)	
1623	06/26/2017	CIVIL ACTION NO. 1:17-CV-2385-CAP AJB 863 42:0405wc; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint MARVA E. ALLEN vs. NANCY A. BERRYHILL, Acting Comm'r of Soc Sec. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Motion to File IFP, # 3 Application in support of IFP, # 4 Summons Defendant, c/o OGC, # 5 Summons US Atty, # 6 Summons Atty Gen)(Hogan, John) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 06/26/2017)	
1624	06/26/2017	CIVIL ACTION NO. 1:17-CV-2386-ODE 422 28:0158; NO E-SUMMONS ISSUED. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 14-60345-wlh, ADV case#: 14-5321. Notice of Appeal filed 6/25/17 from Order entered 6/13/17 by Appellant Guy Marcel Siewe. Fee Paid: Yes. USBC Receipt No. 45194993.(Attachments: # 1 NOA doc153, # 2 Order doc149, # 3 docket report)(Lugo, Yahaira) (jaw). (Entered: 06/26/2017)	
1625	06/26/2017	CIVIL ACTION NO. 1:17-CV-2387-LMM 895 05:0552; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Timothy Alexander vs. Federal Aviation Administration. Filing fee $ 400, receipt number 113E-7229852. (Attachments: # 1 Civil Cover Sheet, # 2 Affidavit Verification, # 3 Exhibit A, # 4 Exhibit B, # 5 Exhibit C, # 6 Exhibit D, # 7 Summons)(Begnaud, Mark) (jaw). (Entered: 06/26/2017)	
1626	06/26/2017	CORRECTED SUBMISSION re: 1624 ; CIVIL ACTION NO. 1:17-CV-2386-ODE. Case Initiating Documents-Bankruptcy Notice of Appeal. (Attachments: # 1 NOA doc153, # 2 Order doc147, # 3 Judgment doc148, # 4 Order doc149, # 5 docket report)(Lugo, Yahaira) (jaw). (Entered: 06/26/2017)	

#	Date	Proceeding Text	Source
1627	06/26/2017	CIVIL ACTION NO. 1:17-CV-2388-MHC 350 28:1441mv; NO E-SUMMONS ISSUED.NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Andrea Wallace vs. Cardinal Logistics Management. Filing fee $ 400, receipt number 113E-7230010. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exhibit A All Pleadings Filed in State Court, # 3 Exhibit Exhibit B Accident Report, # 4 Exhibit Exhibit C Cardinal Corporate Information, # 5 Exhibit Exhibit D Secretary of State Information, # 6 Exhibit Exhibit E State Court Notice of Filing Removal)(Becknell, Leslie) (jaw). (Entered: 06/26/2017)	
1628	06/26/2017	CIVIL ACTION NO. 1:17-CV-2389-ELR 350 28:1332mv; FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint Angelica Garcia Rosaldo vs. National Casualty Company. Filing fee $ 400, receipt number 113E-7230421. (Attachments: # 1 Civil Cover Sheet, # 2 Summons - National Security, # 3 Summons - Delta Express, # 4 Summons - Dedic8ed Express, # 5 Summons - Seely)(Owens, William) (jaw). (Entered: 06/26/2017)	
1629	06/26/2017	CIVIL ACTION NO. 1:17-cv-2390-CAP JCF 480 15:1681. Case Initiating Documents-Complaint Virginia Ann Blackwell vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7231205. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) No e-summons issued. (akr). (Entered: 06/26/2017)	
1630	06/26/2017	CIVIL ACTION NO. 1:17-cv-2391-WSD CMS 480 15:1681. Case Initiating Documents-Complaint Cynthia Lynn Hayes vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7231207. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) No e-summons issued. (akr). (Entered: 06/26/2017)	
1631	06/26/2017	CIVIL ACTION NO. 1:17-cv-2392-SCJ JKL 480 15:1681. Case Initiating Documents-Complaint Laverne Hines vs. Trans Union LLC. vs. Trans Union, LLC. Filing fee $ 400, receipt number 113E-7231208. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) No e-summons issued. (akr). (Entered: 06/26/2017)	
1632	06/27/2017	TRO - CIVIL ACTION NO. 1:17-cv-2399-SCJ 220 28:1444. Case Initiating Documents-Notice of Removal. Filing fee $ 400, receipt number 113E-7232501. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet)(Mendel, Jarrod) No e-summons issued. (akr). (Entered: 06/27/2017)	
1633	06/27/2017	CIVIL ACTION NO. 1:17-cv-2400-LMM 891 07:0499. Case Initiating Documents-Complaint Produce Exchange of Atlanta, Inc. vs. Strong America GA Inc.. Filing fee $ 400, receipt number 113E-7232682. (Attachments: # 1 Exhibit "A" - Invoices, # 2 Exhibit "B" - Credit Application and Agreement, # 3 Summons re Strong America GA Inc., # 4 Summons re Jen Huang, # 5 Summons re Li Ming Zhang, # 6 Civil Cover Sheet)(Maxim, Kevin) Three (3) e-summons issued. (akr). (Entered: 06/27/2017)	
1634	06/27/2017	CIVIL ACTION NO. 1:17-cv-2401-SCJ JFK 442 42:2000ra. Case Initiating Documents-Complaint Bistra Sprieva vs. City of Atlanta. Filing fee $ 400, receipt number 113E-7232870. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Mew, Thomas) One (1) e-summons issued. (akr). (Entered: 06/27/2017)	
1635	06/27/2017	CIVIL ACTION NO. 1:17-cv-2402-LMM LTW 442 42:1981ra. Case Initiating Documents-Complaint Chrystal Foster vs. Verizon Telematics, Inc.. Filing fee $ 400, receipt number 113E-7233315. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Thompson, Amanda) One (1) e-summons issued. (akr). (Entered: 06/27/2017)	
1636	06/27/2017	CIVIL ACTION NO. 1:17-cv-2403-ELR 110 28:1335. Case Initiating Documents-Complaint Occidental Life Insurance Company of North Carolina vs. Malcolm Ligon. Filing fee $ 400, receipt number 113E-7233254. (Attachments: # 1 Exhibit, # 2	

#	Date	Proceeding Text	Source
		Exhibit, # 3 Exhibit, # 4 Exhibit, # 5 Exhibit, # 6 Exhibit, # 7 Exhibit, # 8 Exhibit, # 9 Exhibit, # 10 Exhibit, # 11 Exhibit, # 12 Exhibit, # 13 Exhibit, # 14 Exhibit, # 15 Exhibit, # 16 Exhibit, # 17 Exhibit, # 18 Exhibit, # 19 Exhibit, # 20 Exhibit, # 21 Corporate Disclosure Statement, # 22 Civil Cover Sheet, # 23 Summons, # 24 Summons, # 25 Summons, # 26 Summons)(Taube, Gregory) Four (4) e-summons issued. (akr). (Entered: 06/27/2017)	
1637	06/27/2017	CIVIL ACTION NO. 1:17-cv-2404-MHC 446 42:12101. Case Initiating Documents-Complaint Dean Hagler vs. LSREF3/AH Chicago, LLC, a Foreign Limited Liability Company d/b/a Hyatt Place. Filing fee $ 400, receipt number 113E-7233529. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Supplement Certificate of Interested Persons and Corporate Disclosure Statement)(Pope, Matthew) One (1) e-summons issued. (akr). (Entered: 06/27/2017)	
1638	06/27/2017	CIVIL ACTION NO. 1:17-cv-2405-CAP 710 29:0216b. Case Initiating Documents-Complaint Randall Richardson vs. Cover North America, Inc.. Filing fee $ 400, receipt number 113E-7233491. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Phillips, John) One (1) e-summons issued. (akr). (Entered: 06/27/2017)	
1639	06/27/2017	CIVIL ACTION NO. 1:17-CV-2406-LMM JSA 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Renee Jennette Gregory vs. Nancy A. Berryhill, Acting Commissioner, Social Security Administration. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 IFP Motion, # 3 IFP Application, # 4 Summons Commissioner, # 5 Summons AG, # 6 Summons Gen Cnsl, # 7 Summons US Attny)(Blakeney, Walter) SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 06/27/2017)	
1640	06/27/2017	CIVIL ACTION NO. 1:17-CV-2407-ELR JFK 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint John Ingram vs. Experian Information Solutions, Inc. and Nationwide Recovery Service, Inc.,. Filing fee $ 400, receipt number 113E-7234051. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 06/27/2017)	
1641	06/28/2017	CIVIL ACTION NO. 1:17-CV-2410-CAP 890 47:0227. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ana Cervantes vs. United Parcel Service of America, Inc.,. Filing fee $ 400, receipt number 113E-7234366. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam)(smw). (Entered: 06/28/2017)	
1642	06/28/2017	CIVIL ACTION NO. 1:17-CV-2411-LMM CMS 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Angela Shepherd vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Certificate of Service, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles)SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 06/28/2017)	
1643	06/28/2017	CIVIL ACTION NO. 1:17-CV-2412-MHC 710 29:0216b. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tyrus Hall vs. MVG Trucking Co.. Filing fee $ 400, receipt number 113E-7234591. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to MVG Trucking Co., # 3 Summons as to Marvin Gavins)(Leach, Carlos)(smw). (Entered: 06/28/2017)	
1644	06/28/2017	CIVIL ACTION NO. 1:17-CV-2413-ELR JKL 864 42:0405id. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ramona Fay West Jordan vs. Nancy A. Berryhill. Filing	

#	Date	Proceeding Text	Source
		fee $ 400, receipt number 113E-7234983. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Stevens, David)(smw). (Entered: 06/28/2017)	
1645	06/28/2017	CIVIL ACTION NO. 1:17-CV-2414-CAP JFK 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tamika Grant vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles)SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL (smw). (Entered: 06/28/2017)	
1646	06/28/2017	CIVIL ACTION NO. 1:17-CV-2415-TWT RGV 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Imani Adams vs. Williams & Fudge, Inc.. Filing fee $ 400, receipt number 113E-7235507. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Mason, Jonathan) Modified on 6/28/2017 (smw). (Entered: 06/28/2017)	
1647	06/28/2017	CIVIL ACTION NO. 1:17-CV-2416-LMM JCF 442 42:2000sx. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Evette Tanner vs. Petsmart, Inc.. Filing fee $ 400, receipt number 113E-7235653. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Exhibit A, # 4 Exhibit B)(Mixon, J.) (smw). (Entered: 06/28/2017)	
1648	06/28/2017	CIVIL ACTION NO. 1:17-CV-2419-TCB 110 28:2201in. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Covington Specialty Insurance Company vs. EDM Events LLC. Filing fee $ 400, receipt number 113E-7235917. (Attachments: # 1 Civil Cover Sheet)(Cochenour, Duane)(smw). (Entered: 06/28/2017)	
1649	06/28/2017	CIVIL ACTION NO. 1:17-CV-2419-TCB. SUBMISSION of additional attachments re: 1648 Case Initiating Documents-Complaint. (Cochenour, Duane) (smw). (Entered: 06/28/2017)	
1650	06/28/2017	CIVIL ACTION NO. 1:17-CV-2420-CAP JSA 442 42:2000ra. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Kendell Thomas vs. Aimbridge Employee Service Corp.. Filing fee $ 400, receipt number 113E-7236217. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Molden-Clowney, Regina) (smw). (Entered: 06/28/2017)	
1651	06/28/2017	CIVIL ACTION NO. 1:17-CV-2419-TCB. SUBMISSION of additional attachments re: 1648 Case Initiating Documents-Complaint. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B, # 3 Exhibit Exhibit C, # 4 Exhibit Exhibit D, # 5 Exhibit Exhibit E, # 6 Civil Cover Sheet)(Cochenour, Duane)(smw). (Entered: 06/28/2017)	
1652	06/28/2017	CIVIL ACTION NO. 1:17-CV-2421-AT 190 28:1332bc. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Doc Watson Enterprises, LLC vs. LexisNexis Claims Solutions, Inc.. Filing fee $ 400, receipt number 113E-7236228. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Warren, Tessa) (smw). (Entered: 06/28/2017)	
1653	06/28/2017	CIVIL ACTION NO. 1:17-CV-2422-WSD JCF 445 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tiffany King vs. Atlanta Independent School System A/K/A Atlanta Public Schools. Filing fee $ 400, receipt number 113E-7236343. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Legare, Cheryl)(smw).. (Entered: 06/28/2017)	
1654	06/28/2017	CIVIL ACTION NO. 1:17-CV-2423-MHC CMS 480 15:1692. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint	

#	Date	Proceeding Text	Source
		PATRICIA FERRUZOLA vs. EMMET L. GOODMAN, JR., LLC. Filing fee $ 400, receipt number 113E-7236398. (Attachments: # 1 Exhibit Exhibit A, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Certificate of Interested Parties, # 4 Summons Summons of Emmet L Goodman JR LLC, # 5 Summons Summons of LVNV Funding LLC)(Nelson, John)(smw). (Entered: 06/28/2017)	
1655	06/28/2017	CIVIL ACTION NO. 1:17-CV-2424-MHC 442 28:1443. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Marie M. Brown vs. City of Atlanta. Filing fee $ 400, receipt number 113E-7235994. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Plaintiff's Mandamus and Complaint, # 3 Exhibit Notice of Removal - State Court)(Cherry, Rita)(smw). (Entered: 06/28/2017)	
1656	06/28/2017	CIVIL ACTION NO. 1:17-CV-2425-TCB 446 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Roy Munn vs. D&L Foods, LLC. Filing fee $ 400, receipt number 113E-7236501. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Monismith, Pete)(smw). (Entered: 06/28/2017)	
1657	06/28/2017	CIVIL ACTION NO. 1:17-CV-2426-AT CMS 442 42:2000ra. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Shajuan Harris vs. WellStar Health System, Inc.. Filing fee $ 400, receipt number 113E-7236463. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B - copy of notice of removal, # 3 Civil Cover Sheet)(Bachman, Charles)(smw). (Entered: 06/28/2017)	
1658	06/28/2017	CIVIL ACTION NO. 1:17-cv-2427-SCJ 446 42:12101. Case Initiating Documents-Complaint Marcus Ingram vs. Emory Promenade, LP. Filing fee $ 400, receipt number 113E-7236797. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Monismith, Pete) One (1) e-summons issued. (akr). (Entered: 06/28/2017)	
1659	06/28/2017	CIVIL ACTION NO. 1:17-cv-2428-TWT 891 07:0499. Case Initiating Documents-Complaint Produce Exchange of Atlanta, Inc. vs. La Central Produce LLC. Filing fee $ 400, receipt number 113E-7236803. (Attachments: # 1 Exhibit "A" - Invoices, # 2 Civil Cover Sheet, # 3 Summons re La Central Produce LLC, # 4 Summons re Jose J. Morales, # 5 Summons re Juan C. Dorantes)(Maxim, Kevin) Three (3) e-summons issued. (akr). (Entered: 06/28/2017)	
1660	06/28/2017	PAYMENT NOT RECEIVED; ATTY. GARDNER CONTACTED ON 6/29/17 BY AKR AND INFORMED TO REFILE CASE INITIATING DOCUMENTS AND PAY THE CORRECT FILING FEE. Case Initiating Documents-Complaint Sunnie Chappell vs. INGENIOUS MED, INC.. No payment received. (Attachments: # 1 Exhibit Chappell Opt-In Consent Form, # 2 Civil Cover Sheet, # 3 Summons)(Gardner, Jerilyn) (akr). (Entered: 06/28/2017)	
1661	06/29/2017	CIVIL ACTION NO. 1:17-cv-2429-LMM JKL 480 15:1692. Case Initiating Documents-Complaint Kierria Shenia Davis vs. Cooling & Winter, LLC, and Christina M. Kempter, Esq.. Filing fee $ 400, receipt number 113E-7236892. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) No e-summons issued. (akr). (Entered: 06/29/2017)	
1662	06/29/2017	CIVIL ACTION NO. 1:17-cv-2430-MHC JFK 480 15:1681. Case Initiating Documents-Complaint Valens Jowette Vaughan vs. Equifax Information Services, LLC. Filing fee $ 400, receipt number 113E-7236901. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) No e-summons issued. (akr). (Entered: 06/29/2017)	
1663	06/29/2017	CIVIL ACTION NO. 1:17-cv-2431-CAP LTW 480 15:1681. Case Initiating Documents-Complaint Marva Nelson vs. Equifax	

#	Date	Proceeding Text	Source
		Information Services, LLC. Filing fee $ 400, receipt number 113E-7236909. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) No e-summons issued. (akr). (Entered: 06/29/2017)	
1664	06/29/2017	CIVIL ACTION NO. 1:17-cv-2432-TWT AJB 480 15:1681. Case Initiating Documents-Complaint Marie Therese Jeudy-Elissaint vs. Equifax Information Services, LLC. Filing fee $ 400, receipt number 113E-7236920. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) No e-summons issued. (akr). (Entered: 06/29/2017)	
1665	06/29/2017	TRO - CIVIL ACTION NO. 1:17-cv-2433-LMM 220 28:1444. Case Initiating Documents-Notice of Removal. Filing fee $ 400, receipt number 113E-7236929. (Attachments: # 1 Exhibit A Process Pleadings, # 2 Exhibit B Agent Information, # 3 Exhibit C Assessor's Report, # 4 Exhibit D Business Search, # 5 Exhibit E Assessor's Report, # 6 Civil Cover Sheet)(Hansen, Brian) No e-summons issued. (akr). (Entered: 06/29/2017)	
1666	06/29/2017	CIVIL ACTION NO. 1:17-cv-2436-LMM 446 42:12101. Case Initiating Documents-Complaint Holt, Dakota vs. Mukhiya & Family LLC. Filing fee $ 400, receipt number 113E-7237542. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Mukhiya & Family LLC, # 3 Summons as to Defendant SJ Georgia Investor, LLC)(Ehrlich, Craig) Two (2) e-summons issued. (akr). (Entered: 06/29/2017)	
1667	06/29/2017	CIVIL ACTION NO. 1:17-cv-2439-MHC 446 42:12101. Case Initiating Documents-Complaint Dean Hagler vs. SAAJ, LLC, a Domestic Limited Liability Company d/b/a Comfort Suites. Filing fee $ 400, receipt number 113E-7237773. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Supplement Certificate of Interested Persons and Corporate Disclosure Statement)(Pope, Matthew) One (1) e-summons issued. (akr). (Entered: 06/29/2017)	
1668	06/29/2017	CIVIL ACTION NO. 1:17-cv-2442-ELR JKL 442 42:2000sx. Case Initiating Documents-Notice of Removal, Sharonda L. Fields vs. Cafe Intermezzo Midtown LLC. Filing fee $ 400, receipt number 113E-7237776. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Exhibit A - State Court Record, # 3 Exhibit Exhibit B - Notice to State Court of Removal)(Bean, Brenton) No e-summons issued. (akr). (Entered: 06/29/2017)	
1669	06/29/2017	CIVIL ACTION NO. 1:17-cv-2443-SCJ 190 28:1441bc. Case Initiating Documents-Notice of Removal, Allstar Financial Group, Inc. vs. Alpharetta Underwriters, LLC. Filing fee $ 400, receipt number 113E-7237696. (Attachments: # 1 Exhibit A - State Court Filings, # 2 Civil Cover Sheet)(Coburn, Brett) No e-summons issued. (akr). (Entered: 06/29/2017)	
1670	06/29/2017	CIVIL ACTION NO. 1:17-cv-2444-CAP 710 29:0216b. Case Initiating Documents-Complaint Sunnie Chappell vs. INGENIOUS MED, INC.. Filing fee $ 400, receipt number 113E-7237906. (Attachments: # 1 Exhibit Chappell Opt-In Consent Form, # 2 Civil Cover Sheet, # 3 Summons)(Gardner, Jerilyn) One (1) e-summons issued. (akr). (Entered: 06/29/2017)	
1671	06/29/2017	CIVIL ACTION NO. 1:17-cv-2445-TWT 710 29:0216b. Case Initiating Documents-Complaint Shaundra Strozier vs. Prestige Healthcare Atlanta, LLC.. Filing fee $ 400, receipt number 113E-7238112. (Attachments: # 1 Summons Summons for Defendant Prestige, # 2 Summons Summons for Defendant Trench-Simmons, # 3 Civil Cover Sheet)(Molden-Clowney, Regina) Two (2) e-summons issued. (akr). (Entered: 06/29/2017)	
1672	06/29/2017	CIVIL ACTION NO. 1:17-cv-2446-WSD LTW 863 42:0405ww. Case Initiating Documents-Complaint Cecil Antonio Smith vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No	

#	Date	Proceeding Text	Source
		payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) E-summons not issued; summons will be e-issued by dkt clerk upon IFP approval. (akr). (Entered: 06/29/2017)	
1673	06/29/2017	CIVIL ACTION NO. 1:17-cv-2452-CAP JFK 442 42:2000ra. Case Initiating Documents-Notice of Removal, Rodney Grier vs. Verizon Wireless of the East LP. Filing fee $ 400, receipt number 113E-7239072. (Attachments: # 1 Exhibit 1 - Fulton Co. Superior Court filings, # 2 Civil Cover Sheet)(Haider, Dania) No e-summons issued. (akr). (Entered: 06/29/2017)	
1674	06/29/2017	CIVIL ACTION NO. 1:17-cv-2453-TWT 446 42:12101. Case Initiating Documents-Complaint Dean Hagler vs. GHG Perimeter, LLC, a Foreign Limited Liability Company d/b/a Microtel. Filing fee $ 400, receipt number 113E-7239105. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Supplement Certificate of Interested Persons and Corporate Disclosure Statement)(Pope, Matthew) One (1) e-summons issued. (akr). (Entered: 06/29/2017)	
1675	06/29/2017	CIVIL ACTION NO. 1:17-cv-2454-SCJ 891 07:04099. Case Initiating Documents-Complaint Produce Exchange of Atlanta, Inc. vs. Three Peas in a Pod Produce, LLC. Filing fee $ 400, receipt number 113E-7239104. (Attachments: # 1 Exhibit "A" - Invoices, # 2 Civil Cover Sheet, # 3 Summons re Three Peas in a Pod Produce, LLC, # 4 Summons re Lucinda Dempsey a.k.a. Cindy Dempsey, # 5 Summons re David Dempsey, # 6 Supplement Certificate of Interested Persons and Corporate Disclosure Statement)(Maxim, Kevin) Three (3) e-summons issued. (akr). (Entered: 06/29/2017)	
1676	06/29/2017	CIVIL ACTION NO. 1:17-cv-2456-ODE JFK 480 15:1681. Case Initiating Documents-Complaint Tabitha Lorraine Gurley vs. Equifax Information Services, LLC and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7239372. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A-1, # 3 Exhibit A-2, # 4 Exhibit A-3)(Berry, Matthew) No e-summons issued. (akr). (Entered: 06/29/2017)	
1677	06/29/2017	CIVIL ACTION NO. 1:17-cv-2457-AT LTW 220 15:1692. Case Initiating Documents-Complaint ANDRE COURE vs. BAYVIEW LOAN SERVICING, LLC. Filing fee $ 400, receipt number 113E-7239283. (Coure, Andre) E-summons not issued; incomplete; Atty. Coure contacted on 6/29/17 by akr and directed to resubmit in case assigned. (akr). (Entered: 06/29/2017)	
1678	06/29/2017	CIVIL ACTION NO. 1:17-CV-2458-SCJ AJB 863 42:0405ww; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Melvin Adams Raimer vs. Nancy A. Berryhill. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 In Forma Pauperis, # 3 Proposed Summons, # 4 Proposed Summons, # 5 Proposed Summons, # 6 Certicate of Interested Parties)(Olinsky, Howard) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL(jaw). (Entered: 06/29/2017)	
1679	06/29/2017	CIVIL ACTION NO. 1:17-CV-2460-ELR 360 28:1441pi; NO E-SUMMONS ISSUED. AT 9:00 AM, J WHITE SPOKE W-BRENDA, ASSISTANT TO ATTY ERIC MORTON, ADVISING THAT REMOVAL COMPLAINT WAS OMITTED. BRENDA WILL DO SUBMISSION OF ADDITIONAL ATTACHMENTS AND INCLUDE THE COMPLAINT AND EXHIBITS THAT WERE FILED IN STATE COURT OF CLAYTON COUNTY. Case Initiating Documents-Notice of Removal, Sonja Holmes vs. Dolgencorp, LLC d/b/a Dollar General. Filing fee $ 400, receipt number 113E-7239426. (Attachments: # 1 Civil Cover Sheet)(Morton, Erica) jaw).	

#	Date	Proceeding Text	Source
		(Entered: 06/29/2017)	
1680	06/29/2017	CIVIL ACTION NO. 1:17-CV-2459-MHC 710 29:0216b; FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint Robin Knight vs. Stradmont Oak Investments LLC. Filing fee $ 400, receipt number 113E-7239507. (Attachments: # 1 Civil Cover Sheet, # 2 Notice of Consent to Join, # 3 Exhibit A to Notice of Consent, # 4 Summons Corporation, # 5 Summons 2nd Corporation, # 6 Summons 3rd Corporation, # 7 Summons Individual)(Morgan, Charles) (jaw). (Entered: 06/29/2017)	
1681	06/29/2017	CIVIL ACTION NO. 1:17-CV-2461-ODE 370 28:1441fr; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, columbia automotive, llc vs. volkswagen, ag. Filing fee $ 400, receipt number 113E-7239654. (Attachments: # 1 Exhibit, # 2 Notice to Plaintiff of Removal by Defendant, # 3 Civil Cover Sheet)(Britton, Patricia) (jaw). (Entered: 06/29/2017)	
1682	06/30/2017	CIVIL ACTION NO. 1:17-CV-2462-CAP 350 28:1441mv; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Ronald Hayes vs. Heruy Desta. Filing fee $ 400, receipt number 113E-7239902. (Attachments: # 1 Civil Cover Sheet, # 2 Federal Notice of Removal, # 3 Atty Verification of Notice of Removal, # 4 Affidavit Aff. of Filing State Notice of Removal)(Keith, Christopher) (jaw). (Entered: 06/30/2017)	
1683	06/30/2017	SUBMISSION of additional attachments re: 1679 ;1:7-CV-2460-ELR Case Initiating Documents-Notice of Removal,. (Attachments: # 1 Exhibit A, # 2 Exhibit B)(Morton, Erica) (jaw). (Entered: 06/30/2017)	
1684	06/30/2017	CIVIL ACTION NO. 1:17-CV-2463-WSD 110 28:2201in; FIVE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Allstate Insurance Company vs. Elva Reynoza. Filing fee $ 400, receipt number 113E-7240697. (Attachments: # 1 Exhibit A - Lease Agreement, # 2 Exhibit B - Lease Amendment, # 3 Exhibit C - Underlying Complaint, # 4 Exhibit D - Policy, # 5 Civil Cover Sheet, # 6 Summons Cawthon-Hollums, # 7 Summons Byong C. "Steve" Kim, # 8 Summons MetroPCS, # 9 Summons Elva Reynoza, # 10 Summons Smart Choice)(Parsons, Erica) (jaw). (Entered: 06/30/2017)	
1685	06/30/2017	CIVIL ACTION NO. 1:17-CV-2465-SCJ AJB 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Harold Fitzgerald Carter vs. Equifax Information Services, LLC and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7241088. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 06/30/2017)	
1686	06/30/2017	CIVIL ACTION NO. 1:17-CV-2467-MHC 190 28:1441bc; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, The Pedowitz Group, LLC vs. Crain Communications, Inc.. Filing fee $ 400, receipt number 113E-7241182. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Defendant's Certificate of Interested Persons and Corporate Disclosure Statement)(Caplan, Michael) (jaw). (Entered: 06/30/2017)	
1687	06/30/2017	CIVIL ACTION NO. 1:17-CV-2469-WSD LTW 442 42:2000sx; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Chelsey Blakey vs. Forward Air Solutions, Inc.. Filing fee $ 400, receipt number 113E-7241235. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet, # 3 Summons)(Molden-Clowney, Regina) E-SUMMONS NOT ISSUED DUE TO MULTIPLE DFTS ON THE SUMMONS. EACH DFT MUST HAVE THEIR SUMMONS ISSUED INDIVIDUALLY (jaw). (Entered: 06/30/2017)	

#	Date	Proceeding Text	Source
1688	06/30/2017	CIVIL ACTION NO. 1:17-CV-2470-TCB AJB 442 42:2000sx; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sandy Cleveland vs. Hillphoenix, Inc. Filing fee $ 400, receipt number 113E-7241398. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Obiorah, Danielle) E-SUMMONS NOT ISSUED DUE TO SUMMONS BEING BLANK AND COULD NOT BE ISSUED (jaw). (Entered: 06/30/2017)	
1689	06/30/2017	CIVIL ACTION NO. 1:17-CV-2475-SCJ JSA 864 42:0405id; THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Thomas Langan vs. Nancy A. Berryhill. Filing fee $ 400, receipt number 113E-7241572. (Attachments: # 1 Exhibit Appeals Council Denial, # 2 Civil Cover Sheet, # 3 Summons Attorney General, # 4 Summons Regional Chief Counsel, # 5 Summons U.S. Attorney)(Budde, Francis) (jaw). (Entered: 06/30/2017)	
1690	06/30/2017	CIVIL ACTION NO. 1:17-CV-2477-LMM 690 18:0981; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint United States Of America vs. 3140 Mulberry Greens Lane, Jefferson, Georgia 30549. No payment received. (Attachments: # 1 Civil Cover Sheet)(Sneed, Sekret) (jaw). (Entered: 06/30/2017)	
1691	06/30/2017	CIVIL ACTION NO. 1:17-CV-2479-MHC RGV 371 15:1601; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, William Cass vs. TitleMax of Georgia, Inc.. Filing fee $ 400, receipt number 113E-7241718. (Attachments: # 1 Exhibit 1-Magistrate Court File, # 2 Exhibit 2-Notice to Magistrate Court of Removal, # 3 Exhibit 3-Notice to Plaintiff of Removal, # 4 Civil Cover Sheet Civil Coversheet)(Walsh, Sarah-Nell) (jaw). (Entered: 06/30/2017)	
1692	06/30/2017	CIVIL ACTION NO. 1:17-CV-2480-TWT 365 28:1441pl; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Kadisha Rodriques vs. Bath & Body Works, LLC. Filing fee $ 400, receipt number 113E-7241748. (Attachments: # 1 Civil Cover Sheet civil cover sheet)(O'Brien, Jay) (jaw). (Entered: 06/30/2017)	
1693	06/30/2017	CIVIL ACTION NO. 1:17-CV-2481-AT WEJ 442 42:2000ra; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Adanna Gail Oka vs. DaVita, Inc.. Filing fee $ 400, receipt number 113E-7241773. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Stillwagon, Bryan) (jaw). (Entered: 06/30/2017)	
1694	06/30/2017	CIVIL ACTION NO. 1:17-CV-2482-LMM 190 28:1332bc; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Pratt Paper (IN), LLC vs. Aeromix Systems, Inc. d/b/a RWL Water. Filing fee $ 400, receipt number 113E-7241799. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Brow, Gregory) (jaw). (Entered: 06/30/2017)	
1695	06/30/2017	CIVIL ACTION NO. 1:17-CV-2483-SCJ JSA 442 42:2000ra; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Dwayne McNeese vs. Windstream Communications, LLC d/b/a Windstream. Filing fee $ 400, receipt number 113E-7242016. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Cleveland, William) (jaw). (Entered: 06/30/2017)	
1696	06/30/2017	CIVIL ACTION NO.1:17-CV-2484-ODE 422 28:0158; NO E-SUMMONS ISSUED. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 17-59822-pmb. Notice of Appeal filed 6/30/17 from Order entered 6/29/17 by Appellant Andre Billups. Fee Paid: No. (Attachments: # 1 NOA doc14, # 2 Order doc12, # 3 Fee waiver doc15)(Lugo, Yahaira) (jaw). (Entered: 06/30/2017)	
1697	06/30/2017	CIVIL ACTION NO. 1:17-CV-2485-AT 350 28:1441mv; NO E-	

#	Date	Proceeding Text	Source
		SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Christina Clay vs. Nolberto Sanchez. Filing fee $ 400, receipt number 113E-7242035. (Attachments: # 1 Exhibit 1 - Complaint, # 2 Exhibit 2 - Answer and Additional Pleadings, # 3 Civil Cover Sheet)(McMickle, Scott) (jaw). (Entered: 06/30/2017)	
1698	06/30/2017	CIVIL ACTION NO. 1:17-CV-2486-LMM 890 47:0227; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint AQUILLUS DIXON vs. MISSISSIPPI TITLE LOANS, INC.. Filing fee $ 400, receipt number 113E-7242062. (Attachments: # 1 Summons)(Soffin, Rachel) (jaw). (Entered: 06/30/2017)	
1699	06/30/2017	TRO - CIVIL ACTION NO. 1:17-CV-2487-ELR 840 15:1125a; ONE E-Summons ISSUED.IMMEDIATE HEARING REQUESTED Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7240939. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Haley, J.) (jaw). (Entered: 06/30/2017)	
1700	06/30/2017	SUBMISSION of additional attachments re: 1699 ; 1:17-CV-2487-ELR Case Initiating Documents-Complaint. (Attachments: # 1 Brief, # 2 Affidavit, # 3 Text of Proposed Order, # 4 Certificate of Interested Persons)(Haley, J.) (jaw). (Entered: 06/30/2017)	
1701	06/30/2017	CIVIL ACTION NO. 1:17-CV-2488-LMM 840 15:1125a; TWO E-Summons ISSUED. Case Initiating Documents-Complaint APTEAN, Inc. vs. Joseph. Filing fee $ 400, receipt number 113E-7242282. (Attachments: # 1 Summons, # 2 Summons, # 3 Civil Cover Sheet, # 4 Disclosures)(Gregory, Lauren) (jaw). (Entered: 06/30/2017)	
1702	06/30/2017	CIVIL ACTION NO. 1:17-CV-2489-MHC 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tracy Hendrix vs. Navient Solutions, LLC. Filing fee $ 400, receipt number 113E-7242432. (Attachments: # 1 Civil Cover Sheet Cover Sheet, # 2 Summons Summons)(Daniels, Ronald)(smw). (Entered: 06/30/2017)	
1703	06/30/2017	CIVIL ACTION NO. 1:17-CV-2490-LMM CMS 445 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint David Booth vs. City of Roswell. Filing fee $ 400, receipt number 113E-7242406. (Attachments: # 1 Civil Cover Sheet, # 2 Summons for defendant Grant, # 3 Summons for Defendant Roswell)(Hardwick, Clifford)(smw). (Entered: 06/30/2017)	
1704	06/30/2017	CIVIL ACTION NO. 1:17-CV-2491-ODE JSA 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Deborah Watson vs. Account Management Resources, LLC. Filing fee $ 400, receipt number 113E-7242472. (Attachments: # 1 Civil Cover Sheet Cover Sheet, # 2 Summons Summons)(Daniels, Ronald)(smw). (Entered: 06/30/2017)	
1705	06/30/2017	CIVIL ACTION NO. 1:17-CV-2492-WSD 367 28:1332pl. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Wright Medical Technology, Inc. vs. Geoffrey B. Schofield. Filing fee $ 400, receipt number 113E-7242701. (Gressette, Thomas)CIVIL COVER SHEET NOT FILED ATTORNEY THOMAS GRESSETTE CONTACTED ON 7/3/2017 BY SWB AND INFORMED TO FILE DOCUMENT IN THE CIVIL CASE ASSIGNED.(smw). (Entered: 06/30/2017)	
1706	06/30/2017	CIVIL ACTION NO. 1:17-CV-2493-MHC JKL 442 42:2000ra. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ethelbert Williams vs. Kimberly-Clark Corporation. Filing fee $ 400, receipt number 113E-7242738. (Coleman, Ellaretha)(smw). (Entered: 06/30/2017)	
1707	06/30/2017	CIVIL ACTION NO. 1:17-CV-2493 RESUBMISSION of 1706 Case Initiating Documents-Complaint Ethelbert Williams vs. Kimberly-	

#	Date	Proceeding Text	Source
		Clark Corporation. Filing fee $ 400, receipt number 113E-7242738. (Coleman, Ellaretha). (Attachments: # 1 Civil Cover Sheet, # 2 Supplement Prelim. Appearance, # 3 Supplement Notice of Filing)(Coleman, Ellaretha) Modified on 7/3/2017 (smw). (Entered: 06/30/2017)	
1708	07/01/2017	CIVIL ACTION NO. 1:17-CV-2494-ODE JCF 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint JOHN JAMES LEE, III vs. EQUIFAX INFORMATION SERVICES, LLC and COLLECTION SERVICES OF ATHENS, INC.,. Filing fee $ 400, receipt number 113E-7242779. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam)(smw). (Entered: 07/01/2017)	
1709	07/03/2017	CIVIL ACTION NO. 1:17-CV-2495-TWT JKL 290 28:1441bc. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, DK Foods, LLC vs. ATL West Wolf, LLC. Filing fee $ 400, receipt number 113E-7242954. (Attachments: # 1 Civil Cover Sheet)(Merolla, A.)(smw). (Entered: 07/03/2017)	
1710	07/03/2017	PAYMENT NOT RECEIVED ATTORNEY GREEN CONTACTED ON 07/03/2017 BY SWB AND INFORMED TO REFILE CASE INITIATING DOCUMENTS AND PAY THE CORRECT FILING FEE. Case Initiating Documents-Complaint Chyvonne Harrell as Administratix of the Estate of Jah'Corey Tyson, Deceased vs. Sheriff Jeffrey Mann. No payment received. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Correct Care Summons, # 3 Summons J. Saleem Summons, # 4 Summons Nekeya A. Dumas Summons, # 5 Summons W. Brickhouse Summons, # 6 Summons MHM Correctional Services Summnons, # 7 Summons Sgt. J. Solomon Summons, # 8 Summons Sgt. Dailey Summons, # 9 Summons Sherrif J. Mann Summons)(Green, Willis) Modified on 7/3/2017 (smw). (Entered: 07/03/2017)	
1711	07/03/2017	CIVIL ACTION NO. 1:17-CV-2497-TCB 190 28:1332bc. ONE E-Summons ISSUED. Case Initiating Documents-Complaint Alcue Properties & Interiors, Inc. vs. Selective Way Insurance Company. Filing fee $ 400, receipt number 113E-7243159. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Weinstein, Michael)(smw). (Entered: 07/03/2017)	
1712	07/03/2017	CIVIL ACTION NO. 1:17-CV-2498-AT 440 42:1983cv. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint James Leon Woods vs. Dekalb Co. Bd. of Comm.. Filing fee $ 400, receipt number 113E-7243218. (Attachments: # 1 Exhibit Ex. 1 - Grady Hospital Medical Bills, # 2 Exhibit Ex. 2 - Dismissal of Obstruction Charge, # 3 Exhibit Ex. 3 - Gumbs Warrant Affidavit, # 4 Exhibit Ex. 4 - Woolfork Narrative Report, # 5 Exhibit Ex. 5 - Gumbs Supplemental Narrative Report, # 6 Exhibit Ex. 6 - Dekalb Co. Police Dept. Employee Manual)(Kendall, Wayne)(smw). (Entered: 07/03/2017)	
1713	07/03/2017	CIVIL ACTION NO. 1:17-CV-2499-SCJ 440 42:1983cv. EIGHT E-SUMMONS ISSUED. Case Initiating Documents-Complaint Chyvonne Harrell as Administratix of the Estate of Jah'Corey Tyson, Deceased vs. Sheriff Jeffrey Mann. Dr. William Brickhouse, Correct Care Solutions, LLC, MHM Correctional Services Inc, Officer Jamal Saleem, Sergeant Dailey, Seargent Jerome Solomon. Filing fee $ 400, receipt number 113E-7243398. (Attachments: # 1 Summons Correct Care Summons, # 2 Summons J. Saleem Summons, # 3 Summons N. Dumas Summons, # 4 Summons W. Brickhouse Summons, # 5 Summons MHM Correctional Services Inc. Summons, # 6 Summons Sgt. J. Solomon Summons, # 7 Summons Sgt. N. Dailey Summons, # 8 Summons Sheriff J. Mann Summons, # 9 Appendix Certificate of Interested Persons)(Green, Willis)(smw).	

#	Date	Proceeding Text	Source
		(Entered: 07/03/2017)	
1714	07/03/2017	CIVIL ACTION NO. 1:17-CV-2502-ODE 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Brenda McLaurin-Polhill vs. Wal-Mart Stores East, LP. Filing fee $ 400, receipt number 113E-7243659. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - State Court Pleadings)(Lessinger, Howard)(smw). (Entered: 07/03/2017)	
1715	07/03/2017	CIVIL ACTION NO. 1:17-CV-2503-CC WEJ 480 15:1692. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint GARY YIP vs. MIDLAND FUNDING LLC. Filing fee $ 400, receipt number 113E-7243885. (Attachments: # 1 Exhibit Exhibit A -- Letter from Defendants, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Summons Midland Funding Summons, # 4 Summons MCM Summons, # 5 Certificate of Interested Parties)(Nelson, John)(smw). (Entered: 07/03/2017)	
1716	07/03/2017	DUPLICATE FILING Case Initiating Documents-Complaint GARY YIP vs. MIDLAND FUNDING LLC. Filing fee $ 400, receipt number 113E-7243942. (Attachments: # 1 Exhibit Exhibit A -- Letter from Defendants, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Summons Midland Funding Summons, # 4 Summons MCM Summons, # 5 Certificate of Interested Parties)(Nelson, John)(smw). (Entered: 07/03/2017)	
1717	07/03/2017	CIVIL ACTION NO. 1:17-CV-2504-CAP AJB 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Gary Yip vs. Portfolio Recovery Associates LLC. Filing fee $ 400, receipt number 113E-7243980. (Attachments: # 1 Exhibit Exhibit A -- Letter from Defendant, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Summons PRA Summons, # 4 Certificate of Interested Parties)(Nelson, John)(smw). (Entered: 07/03/2017)	
1718	07/03/2017	CIVIL ACTION NO. 1:17-CV-2505-WSD WEJ 480 15:1692. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Hsiao Yip vs. Midland Funding LLC. Filing fee $ 400, receipt number 113E-7244011. (Attachments: # 1 Exhibit Exhibit A -- Letter from Defendants, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Summons Midland Funding Summons, # 4 Summons MCM Summons, # 5 Certificate of Interested Parties)(Nelson, John)(smw). (Entered: 07/03/2017)	
1719	07/03/2017	CIVIL ACTION NO. 1:17-CV-2506-TCB RGV 480 15:1692. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Gary Yip vs. Midland Funding LLC. Filing fee $ 400, receipt number 113E-7244141. (Attachments: # 1 Exhibit Exhibit A -- Letter from Defendants, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Summons Midland Funding Summons, # 4 Summons MCM Summons, # 5 Certificate of Interested Parties)(Nelson, John)(smw). (Entered: 07/03/2017)	
1720	07/03/2017	CIVIL ACTION NO. 1:17-CV-2507-AT 110 28:2201in; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint LIFE INSURANCE COMPANY OF THE SOUTHWEST vs. DUNG THI PHU NGUYEN. Filing fee $ 400, receipt number 113E-7244405. (Attachments: # 1 Exhibit 1 - Policy, # 2 Exhibit 2 - Letter dated June 29, 2017, # 3 Civil Cover Sheet, # 4 Summons (Dung Thi Phu Nguyen))(Carter, H.) (jaw). (Entered: 07/03/2017)	
1721	07/03/2017	CIVIL ACTION NO. 1:17-CV-2510-ODE LTW 442 42:1981ra; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Samuel R. Hayes, III vs. ATL Hawks, LLC. Filing fee $ 400, receipt number 113E-7244513. (Attachments: # 1 Civil Cover Sheet, # 2 Summons As to ATL Hawks, # 3 Summons As to Jason Parker)(Smith, Louise) (jaw). (Entered: 07/03/2017)	
1722	07/04/2017	CIVIL ACTION NO. 1:17-CV-2511-ELR JCF 480 15:1692; FOUR	

#	Date	Proceeding Text	Source
		E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ronni Anderson vs. Midland Funding LLC. Filing fee $ 400, receipt number 113E-7244561. (Attachments: # 1 Exhibit, # 2 Civil Cover Sheet, # 3 Summons, # 4 Summons, # 5 Summons, # 6 Summons)(Gray, E.) (jaw). (Entered: 07/04/2017)	
1723	07/05/2017	CIVIL ACTION NO. 1:17-CV-2514-ELR RGV 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Ron Leslie vs. Barclays Bank Delaware. Filing fee $ 400, receipt number 113E-7245748. (Attachments: # 1 Exhibit A - Statement of Claim, # 2 Exhibit B - Notice to State Court of Filing Notice of Removal, # 3 Civil Cover Sheet)(DeFrank, Michael) (jaw). (Entered: 07/05/2017)	
1724	07/05/2017	CIVIL ACTION NO. 1:17-CV-2515-TWT 380 28:1441pd; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Chamblee Liquor, LLC vs. Selective Insurance Company of the Southeast. Filing fee $ 400, receipt number 113E-7245803. (Attachments: # 1 Exhibit Summons & Complaint, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Exhibit Notice of Removal to DeKalb County)(Ludwig, Eric) (jaw). (Entered: 07/05/2017)	
1725	07/05/2017	CIVIL ACTION NO. 1:17-CV-2516-WSD 110 28:1441in; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Andrea Mallet-Reece vs. Hartford Life and Accident Insurance Company. Filing fee $ 400, receipt number 113E-7246226. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet for Removal, # 2 Exhibit A - State Court Pleadings, # 3 Exhibit B - Policy)(Feinberg, Alexander) (jaw). (Entered: 07/05/2017)	
1726	07/05/2017	CIVIL ACTION NO. 1:17-CV-2518-MHC CMS 863 42:0405wc; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Phyllis Garnett vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 07/05/2017)	
1727	07/05/2017	CIVIL ACTION NO. 1:17-CV-2520-CAP AJB 480 15:1681; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Lorraine Morris vs. Equifax Information Services, LLC. Filing fee $ 400, receipt number 113E-7246855. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Equifax, # 3 Summons Financial Management Solutions)(Mason, Jonathan) (jaw). (Entered: 07/05/2017)	
1728	07/05/2017	CIVIL ACTION NO. 1:17-CV-2522-TWT 360 28:1441pi; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Doreen Neal vs. Thor Equities, LLC. Filing fee $ 400, receipt number 113E-7246528. (Attachments: # 1 Notice of Removal, # 2 Exhibit Notice of Removal - Exhibit A, # 3 Exhibit Notice of Removal - Exhibit B, # 4 Defendants' Notice of Removal to Plaintiff)(Nelson, Zachary) Modified on 7/5/2017 (jaw). (Entered: 07/05/2017)	
1729	07/05/2017	CIVIL ACTION NO. 1:17-cv-2527-SCJ 830 28:1338pt. Case Initiating Documents-Complaint The Heil Co. vs. McNeilus Companies, Inc.. Filing fee $ 400, receipt number 113E-7247242. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Exhibit G, # 8 Exhibit H, # 9 Exhibit I, # 10 Exhibit J, # 11 Exhibit K, # 12 Exhibit L, # 13 Exhibit M, # 14 Exhibit N, # 15 Exhibit O, # 16 Exhibit P, # 17 Exhibit Q, # 18 Exhibit R, # 19 Exhibit S, # 20 Exhibit T, # 21 Exhibit U, # 22 Civil Cover Sheet, # 23 Summons, # 24 Summons)(Swann, Jerre) Two (2) e-summons issued. (akr).	

#	Date	Proceeding Text	Source
		(Entered: 07/05/2017)	
1730	07/05/2017	CIVIL ACTION NO. 1:17-cv-2529-AT 625 21:0881. Case Initiating Documents-Complaint United States of America vs. $105,953.00 in United States Currency. No payment received. (Attachments: # 1 Civil Cover Sheet)(Brown, Michael) No e-summons issued. (akr). (Entered: 07/05/2017)	
1731	07/05/2017	CIVIL ACTION NO. 1:17-cv-2530-LMM 110 28:1441in. Case Initiating Documents-Notice of Removal, Jeffery Scott Brook vs. Owners Insurance Company. Filing fee $ 400, receipt number 113E-7247413. (Attachments: # 1 Exhibit A Underlying Pleading, # 2 Exhibit B - Notice of Filing Removal, # 3 Exhibit C - Notice of Filing Removal State Court, # 4 Civil Cover Sheet, # 5 Supplement Notice of Filing Removal, # 6 Supplement Certificate)(Mowbray, Kimberly) No e-summons issued. (akr). (Entered: 07/05/2017)	
1732	07/06/2017	CIVIL ACTION NO. 1:17-cv-2534-ELR 360 28:1441pi. Case Initiating Documents-Notice of Removal, Joanne Newton vs. Wal-Mart Stores, Inc.. Filing fee $ 400, receipt number 113E-7247684. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - State Court Pleadings)(Lessinger, Howard) No e-summons issued. (akr). (Entered: 07/06/2017)	
1733	07/06/2017	CIVIL ACTION NO. 1:17-cv-2540-CAP 360 28:1441wd. Case Initiating Documents-Notice of Removal, Joseph Alexander Everett, II vs. Walgreen Co.. Filing fee $ 400, receipt number 113E-7248352. (Attachments: # 1 Civil Cover Sheet)(Potter, Donovan) No e-summons issued. (akr). (Entered: 07/06/2017)	
1734	07/06/2017	CIVIL ACTION NO. 1:17-cv-2541-TWT 710 29:0216b . Case Initiating Documents- Complaint Gregg Taylor vs. Arko Veal Company Inc.. Filing fee $ 400, receipt number 113E-7248576. (Attachments: # 1 Exhibit Consent to Sue, # 2 Exhibit Payroll Summary)(Orlando, Roger) No e-summons issued. NOTE: Civil Cover Sheet not attached; Atty. Orlando contacted on 7/6/17 by akr and directed to submit in case assigned. (akr). (Entered: 07/06/2017)	
1735	07/06/2017	CIVIL ACTION NO. 1:17-cv-2543-TCB JCF 220 28:1444. Case Initiating Documents-Notice of Removal, Dennis W. Moore vs. DITECH Financial LLC. Filing fee $ 400, receipt number 113E-7248733. (Attachments: # 1 Exhibit Exhibit "A" Complaint, # 2 Exhibit Exhibit "B" Filed Lis Pendens, # 3 Civil Cover Sheet)(Sims, Cory) No e-summons issued. (akr). (Entered: 07/06/2017)	
1736	07/06/2017	CIVIL ACTION NO. 1:17-cv-2544-AT 110 28:1441in. Case Initiating Documents-Notice of Removal, Freda M. Wingard vs. Allstate Insurance Company. Filing fee $ 400, receipt number 113E-7249197. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Verification of William E. Zschunke, # 4 Affidavit of William E. Zschunke, # 5 Jury Demand, # 6 Civil Cover Sheet)(Zschunke, William) No e-summons issued. (akr). (Entered: 07/06/2017)	
1737	07/06/2017	CIVIL ACTION NO. 1:17-cv-2545-LMM 625 21:0881. Case Initiating Documents-Complaint United States of America vs. One 2011 Nissan Altima, VIN 1N4AL2AP2BN460324. No payment received. (Attachments: # 1 Civil Cover Sheet)(Brown, Michael) No e-summons issued. (akr). (Entered: 07/06/2017)	
1738	07/06/2017	CIVIL ACTION NO. 1:17-cv-2546-ODE 152 20:1080. Case Initiating Documents-Complaint United States of America vs. Arthur L. Kindred. No payment received. (Attachments: # 1 Exhibit Declaration Delfin Reyes, # 2 Exhibit Attachment A, # 3 Exhibit Attachment B, # 4 Exhibit Attachment C, # 5 Exhibit Attachment D, # 6 Exhibit Attachment E, # 7 Civil Cover Sheet, # 8 Summons)(Beranek, Lori) One (1) e-summons issued. (akr).	

#	Date	Proceeding Text	Source
		(Entered: 07/06/2017)	
1739	07/06/2017	CIVIL ACTION NO. 1:17-cv-2547-TWT JSA 442 42:2000ra. Case Initiating Documents-Notice of Removal, Said Tlemcani vs. Georgia Department of Community Health. Filing fee $ 400, receipt number 113E-7249778. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A: Summons, # 3 Exhibit B: General Civil Case Filing Form, # 4 Exhibit C: Original Complaint, # 5 Exhibit D: Summons, # 6 Exhibit E: Defendant's Answer & Defenses, # 7 Exhibit F: Defendant's Motion to Dismiss Plaint. Complaint, # 8 Exhibit G: Notice of Leave of Absence for M.C. Greaber, # 9 Exhibit H: Amended Complaint, # 10 Exhibit I: Plaintiff's Response to Def. Motion to Dismiss, # 11 Exhibit J: Def. Answer & Defenses to Plaint. Amended Complaint, # 12 Exhibit K: Def. Partial Motion to Dismiss Plaint. Amended Complaint, # 13 Exhibit L: Superior Court Notice of Removal)(Seinberg, Shelley) No e-summons issued. (akr). (Entered: 07/06/2017)	
1740	07/06/2017	TRO - CIVIL ACTION NO. 1:17-cv-2548-TWT 220 15:1692. Case Initiating Documents-Notice of Removal. Filing fee $ 400, receipt number 113E-7250063. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Civil Cover Sheet)(Scott, Monika) No e-summons issued. (akr). (Entered: 07/06/2017)	
1741	07/06/2017	CIVIL ACTION NO. 1:17-cv-2549-CC 190 28:1332bc. Case Initiating Documents-Complaint Ingram Micro, Inc. vs. Mindful eCycling LLC. Filing fee $ 400, receipt number 113E-7250132. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Anderson, Carl) One (1) e-summons issued. (akr). (Entered: 07/06/2017)	
1742	07/06/2017	CIVIL ACTION NO. 1:17-CV-2550-TCB 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Michelle Lynch Francis vs. Marriott International, Inc.. Filing fee $ 400, receipt number 113E-7250167. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exhibit A, # 3 Exhibit Exhibit B, # 4 Exhibit Answer and Defenses, # 5 Exhibit Jury Demand)(Jones, Candis)(smw). (Entered: 07/06/2017)	
1743	07/07/2017	CIVIL ACTION NO. 1:17-CV-2552-WSD JCF 751 29:2601. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Lashaunda Peasant vs. Trinity North American Freight Car, Inc.. Filing fee $ 400, receipt number 113E-7250971. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Lakraj, Adeash) (smw). (Entered: 07/07/2017)	
1744	07/07/2017	CIVIL ACTION NO. 1:17-CV-2554-ELR RGV 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Ron Leslie vs. First Premier Bank. Filing fee $ 400, receipt number 113E-7251742. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Exhibit B)(Reise, Sarah) (smw). (Entered: 07/07/2017)	
1745	07/07/2017	CIVIL ACTION NO. 1:17-CV-2555-SCJ WEJ 220 28:1444. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Andrea Brown vs. The Bank of New York Mellon fka The Bank of New York. Filing fee $ 400, receipt number 113E-7251781. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Part 1, # 3 Exhibit A - Part 2, # 4 Exhibit A - Part 3, # 5 Exhibit A - Part 4, # 6 Exhibit A - Part 5, # 7 Exhibit B)(Reise, Sarah)(smw). (Entered: 07/07/2017)	
1746	07/07/2017	CIVIL ACTION NO. 1:17-CV-2556-AT 320 28:1332lb. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Leslie Maynard vs. Michael Melton. Filing fee $ 400, receipt number 113E-7252183. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Exhibit 1, # 4 Exhibit 2, # 5 Exhibit 3, # 6 Exhibit 4)(Shy, Tonya) Modified on 7/7/2017 (smw). (Entered:	

#	Date	Proceeding Text	Source
		07/07/2017)	
1747	07/07/2017	CIVIL ACTION NO. 1:17-CV-2557-LMM 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Seneca Dooley vs. Keith Phifer d/b/a Phifer's Express. Filing fee $ 400, receipt number 113E-7252270. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit 1)(Krause, Rachel)(smw). (Entered: 07/07/2017)	
1748	07/07/2017	CIVIL ACTION NO. 1:17-CV-2558-CAP 110 28:1441in. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Kathy A. Irving vs. Owners Insurance Company. Filing fee $ 400, receipt number 113E-7252366. (Attachments: # 1 Exhibit A - UL pleadings, # 2 Exhibit B - Notice of Filing Removal (Dist. Ct.), # 3 Exhibit C - Notice of Filing Removal (State Ct.), # 4 Supplement Notice of Filing Removal, # 5 Civil Cover Sheet, # 6 Supplement)(Abt, Ellen)(smw). (Entered: 07/07/2017)	
1749	07/07/2017	CIVIL ACTION NO. 1:17-CV-2559-ODE 110 28:2201in. FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint AUTO-OWNERS INSURANCE COMPANY vs. ALLSTATE VEHICLE and PROPERTY INSURANCE COMPANY. Filing fee $ 400, receipt number 113E-7252274. (Attachments: # 1 Exhibit Exhibit A - Underlying Suit, # 2 Exhibit Exhibit B - Certified Policy, # 3 Exhibit Exhibit C - Suit ROR, # 4 Civil Cover Sheet, # 5 Summons Summons - Allstar Painting, LLC., # 6 Summons Summons - Allstate Vehicle, # 7 Summons Summons - Earthly Matters, # 8 Summons Summons to Laura Bender)(Conner, Daniel)(smw). (Entered: 07/07/2017)	
1750	07/07/2017	CIVIL ACTION NO. 1:17-CV-2560-AT JKL 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Deborah E. Westmoreland vs. Nancy A. Berryhill. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons, # 4 Summons, # 5 Application to Proceed In Forma Pauperis)(Ginsberg, Jonathan)SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 07/07/2017)	
1751	07/07/2017	CIVIL ACTION NO. 1:17-CV-2563-CC 360 28:1441pi; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Bernice Ridgeway vs. Burlington Stores, Inc.. Filing fee $ 400, receipt number 113E-7252755. (Moody, G.) (jaw). (Entered: 07/07/2017)	
1752	07/08/2017	CIVIL ACTION NO. 1:17-CV-2565-LMM 440 42:1983cv; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Terrence McGee vs. Officer A.L. York. Filing fee $ 400, receipt number 113E-7252965. (Attachments: # 1 Summons Summons for Officer A.L. York, # 2 Civil Cover Sheet)(Filipovits, Jeffrey) (jaw). (Entered: 07/08/2017)	
1753	07/10/2017	CIVIL ACTION NO. 1:17-CV-2566-ODE JKL 480 15:1692; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Monica Stephens vs. Alltran Financial, LP. Filing fee $ 400, receipt number 113E-7253560. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Hormozdi, Shireen) (jaw). (Entered: 07/10/2017)	
1754	07/10/2017	CIVIL ACTION NO. 1:17-CV-2567-CAP JFK 863 42:0405ww; NO E-SUMMONS ISSUED.(SEE DOC. 1755 FOR IFP). Case Initiating Documents-Complaint Veronica Renee Summers vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons)(Flynn, Kathleen) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 07/10/2017)	
1755	07/10/2017	SUBMISSION of additional attachments re: 117-cv-2567-CAP	

#	Date	Proceeding Text	Source
		1754 Case Initiating Documents-Complaint,. (Flynn, Kathleen) (Entered: 07/10/2017)	
1756	07/10/2017	CIVIL ACTION NO. 1:17-CV-2568-AT LTW 863 42:0405ww; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Demetrius Octavius Way vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 07/10/2017)	
1757	07/10/2017	CIVIL ACTION NO. 1:17-CV-2572-CC 870 26:7401; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint The United States of America vs. Taalib Johnson. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Layne, Rebecca) (jaw). (Entered: 07/10/2017)	
1758	07/10/2017	CIVIL ACTION NO. 1:17-CV-2576-ELR AJB 863 42:0405ww; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Reginald Kenneth Fulton vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) E-SUMMONS TO ABE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 07/10/2017)	
1759	07/10/2017	CIVIL ACTION NO. 1:17-CV-2577-ODE AJB 480 15:1692; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Talyor Halle vs. First Financial Asset Management, Inc.. Filing fee $ 400, receipt number 113E-7254299. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet)(Arefin, Dewan) (jaw). (Entered: 07/10/2017)	
1760	07/10/2017	CIVIL ACTION NO. 1:17-CV-2578-CC 360 28:1441pi; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Lillie Chumney vs. Sam's East, Inc.. Filing fee $ 400, receipt number 113E-7254501. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Demand Letter, # 3 Exhibit B - State Court Pleadings)(Lessinger, Howard) (jaw). (Entered: 07/10/2017)	
1761	07/10/2017	CIVIL ACTION NO. 1:17-CV-2579-TWT JSA 863 42:0405ww; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Howard Farmer, Jr. vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 07/10/2017)	
1762	07/10/2017	CIVIL ACTION NO. 1:17-CV-2580-CAP 820 28:1338cp; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Greg Young Publishing, Inc. vs. Los Cubanos, LLC. Filing fee $ 400, receipt number 113E-7254689. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Exhibit G, # 8 Exhibit H, # 9 Exhibit I, # 10 Exhibit J, # 11 Exhibit K, # 12 Exhibit L, # 13 Exhibit M, # 14 Exhibit N, # 15 Exhibit O, # 16 Summons, # 17 Supplement Form AO121-Report on the Filing of an Action Regarding a Copyright, # 18 Civil Cover Sheet)(Bodoh, Keith) (jaw). (Entered: 07/10/2017)	
1763	07/10/2017	CIVIL ACTION NO. 1:17-CV-2581-WSD JSA 480 15:1692; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tabetha-Jeannie Higgins vs. Quality Recovery Services, Inc. Filing fee $ 400, receipt number 113E-7254850. (Attachments: # 1	

#	Date	Proceeding Text	Source
		Exhibit)(Oaks, Misty) (jaw). (Entered: 07/10/2017)	
1764	07/10/2017	CIVIL ACTION NO. 1:17-CV-2582-WSD 840 28:1338tr; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint The Most Worshipful National Grand Lodge, Free And Accepted Ancient Yorkrite Masons, Prince Hall Origin, National Compact, U.S.A. vs. United Grand Lodge GA AF & AYM, Inc.. Filing fee $ 400, receipt number 113E-7254828. (Attachments: # 1 Exhibit TMK Collective Membership, # 2 Exhibit TMK Principal Register, # 3 Exhibit GA Incorporation, # 4 Civil Cover Sheet Cover Sheet, # 5 Summons summons)(Hollin, James) (jaw). (Entered: 07/10/2017)	
1765	07/10/2017	CIVIL ACTION NO. 1:17-CV-2583-SCJ 190 28:1441bc; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Robert D. Scarborough, Jr. vs. Anthony Lair. Filing fee $ 400, receipt number 113E-7254986. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - State Court Summons and Complaint, # 3 Exhibit B - Ingram Acknowledgement of Service, # 4 Exhibit C - Ingram Consent to Removal, # 5 Exhibit D - Additional State Court Pleadings, # 6 Exhibit E - Notice of Filing to Fulton Superior Court, # 7 Exhibit F - Notice of Filing to Plaintiffs)(Gevertz, David) (jaw). (Entered: 07/10/2017)	
1766	07/10/2017	CIVIL ACTION NO. 1:17-CV-2584-LMM 110 28:2201in; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint American General Life Insurance Company vs. Nicole Thomas. Filing fee $ 400, receipt number 113E-7255043. (Attachments: # 1 Summons Summons, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Exhibit Executed Part A of Life Insurance Application, # 4 Exhibit Executed Part B of Life Insurance Application, # 5 Exhibit Life Insurance Policy, # 6 Exhibit Signed Policy Acceptance and Amendment of Application)(Johnson, Tawana) (jaw). (Entered: 07/10/2017)	
1767	07/10/2017	CIVIL ACTION NO. 1:17-cv-2585-LMM 160 28:1332bc. Case Initiating Documents-Complaint Jerrell Whitten vs. Ronald F. Clarke. Filing fee $ 400, receipt number 113E-7255358. (Attachments: # 1 Civil Cover Sheet, # 2 Summons to FleetCor Technologies, Inc., # 3 Summons to Ronald F. Clarke, # 4 Summons to Michael Buckman, # 5 Summons to Joseph W. Farrelly, # 6 Summons to Thomas M. Hagerty, # 7 Summons to Mark A. Johnson, # 8 Summons to Richard Macchia, # 9 Summons to Jeffrey S. Sloan, # 10 Summons to Steven T. Stull, # 11 Summons to Eric R. Dey, # 12 Plaintiff's Certificate of Interested Persons and Corporate Disclosre Statement)(Fistel, Michael) Ten (10) e-summons issued. (akr). (Entered: 07/10/2017)	
1768	07/10/2017	CIVIL ACTION NO. 1:17-cv-2587-ELR 850 15:0078. Case Initiating Documents-Complaint City of Hollywood Police Officers' Retirement System vs. HD Supply Holdings, Inc.. Filing fee $ 400, receipt number 113E-7255397. (Attachments: # 1 Exhibit Exhibit A, # 2 Civil Cover Sheet)(Lacy, William) No e-summons issued. (akr). (Entered: 07/10/2017)	
1769	07/10/2017	CIVIL ACTION NO. 1:17-cv-2588-ODE 190 28:1332bc. Case Initiating Documents-Complaint Monterey Financial Services, LLC vs. Atlanta Medical Tutoring Institute, Inc.. Filing fee $ 400, receipt number 113E-7255411. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Atlanta Medical Tutoring Institute, Inc., # 3 Summons George Nichols)(Bounds, Justan) Two (2) e-summons issued. (akr). (Entered: 07/10/2017)	
1770	07/10/2017	CIVIL ACTION NO. 1:17-cv-2590-WSD 440 42:1981ra. Case Initiating Documents-Complaint Elizabeth Park vs. Hari Krishna McFarland, Inc., d/b/a Marco's Pizza #8162. Filing fee $ 400, receipt number 113E-7255463. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Braun, Michael) E-summons	

#	Date	Proceeding Text	Source
		not issued; incomplete; Atty. Braun contacted on 7/11/17 by akr and directed to resubmit corrected summons in case assigned. (akr). (Entered: 07/10/2017)	
1771	07/11/2017	CIVIL ACTION NO. 1:17-cv-2591-TWT 440 42:1983cv. Case Initiating Documents-Complaint Charity Chambers vs. DeKalb County, Georgia. Filing fee $ 400, receipt number 113E-7256073. (Attachments: # 1 Civil Cover Sheet, # 2 Summons DeKalb County, # 3 Summons Deron Fulton, # 4 Summons John Bowe)(Greenamyre, Zack) Three (3) e-summons issued. (akr). (Entered: 07/11/2017)	
1772	07/11/2017	CIVIL ACTION NO. 1:17-cv-2592-ODE LTW 442 42:2000ra. Case Initiating Documents-Complaint Anthony Murray vs. Crimson Management, LLC. Filing fee $ 400, receipt number 113E-7256419. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Broun, # 3 Summons Crim)(Millican, Lisa) Two (2) e-summons issued. (akr). (Entered: 07/11/2017)	
1773	07/11/2017	CIVIL ACTION NO. 1:17-cv-2593-CAP CMS 863 42:0405wc. E-SUMMONS NOT ISSUED; SUMMONS WILL BE E-ISSUED BY DKT CLERK UPON IFP APPROVAL. Case Initiating Documents-Complaint Robert Carter vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) (akr). (Entered: 07/11/2017)	
1774	07/11/2017	TRO - CIVIL ACTION NO. 1:17-cv-2600-AT 220 12:2601. Case Initiating Documents-Notice of Removal. Filing fee $ 400, receipt number 113E-7257295. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Krivo, Gregory) No e-summons issued. (akr). (Entered: 07/11/2017)	
1775	07/11/2017	CIVIL ACTION NO. 1:17-cv-2601-TWT 440 42:1983cv. Case Initiating Documents-Complaint Diane Johnson vs. DeKalb County, Georgia. Filing fee $ 400, receipt number 113E-7257356. (Attachments: # 1 Civil Cover Sheet, # 2 Summons DeKalb County, # 3 Summons Deron Fulton, # 4 Summons John Bowe)(Greenamyre, Zack) Three (3) e-summons issued. (akr). (Entered: 07/11/2017)	
1776	07/11/2017	CIVIL ACTION NO. 1:17-cv-2604-CAP 446 42:12101. Case Initiating Documents-Complaint Holt, Dakota vs. Cash America International, Inc.. Filing fee $ 400, receipt number 113E-7257682. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Ehrlich, Craig) One (1) e-summons issued. (akr). (Entered: 07/11/2017)	
1777	07/11/2017	CIVIL ACTION NO. 1:17-cv-2605-MHC 710 29:0216b. Case Initiating Documents-Complaint Fred Blash vs. H.E.H. Paving, Inc.. Filing fee $ 400, receipt number 113E-7257724. (Attachments: # 1 Civil Cover Sheet)(Fenster, Ariel) No e-summons issued. (akr). (Entered: 07/11/2017)	
1778	07/11/2017	CIVIL ACTION NO. 1:17-cv-2609-LMM 110 28:1441in. Case Initiating Documents-Notice of Removal, Johnson & Bryan, Inc. vs. Utica Mutual Insurance Company. Filing fee $ 400, receipt number 113E-7257844. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A to Notice of Removal)(Koelz, Andrew) No e-summons issued. (akr). (Entered: 07/11/2017)	
1779	07/11/2017	TRO - IMMEDIATE HEARING REQUESTED CIVIL ACTION NO. 1:17-CV-2611-WSD 190 07:0499. SIX E-SUMMONS ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7258463. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Open Invoices, # 3 Summons to Valley Produce Corp., # 4 Summons to Mario A Lazo Sr, # 5 Summons to Gerardo Lazo, # 6 Summons to Antonio Lazo, # 7 Summons to Arturo Lazo, # 8	

#	Date	Proceeding Text	Source
		Summons to Mario N Lazo)(Stokes, Craig)(smw). (Entered: 07/11/2017)	
1780	07/11/2017	CIVIL ACTION NO. 1:17-CV-2612-CC-AJB 442 42:2000ot. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Courtney Tiller vs. Georgia Department of Community Supervision. Filing fee $ 400, receipt number 113E-7258667. (Attachments: # 1 Exhibit Right to Sue Letter)(Sydnor, Clarence) CIVIL COVER SHEET NOT FILED ATTORNEY CLARENCE CONTACTED ON 07/12/2017 BY SWB AND INFORMED TO FILE DOCUMENT IN THE CIVIL CASE ASSIGNED. (smw). (Entered: 07/11/2017)	
1781	07/11/2017	CIVIL ACTION NO. 1:17-CV-2613-CAP 110 28:1332in. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Kevin Squires vs. State Farm Fire and Casualty Company. Filing fee $ 400, receipt number 113E-7258671. (Attachments: # 1 Exhibit A: policy, # 2 Exhibit B: denial letter, # 3 Civil Cover Sheet, # 4 Summons)(Vinson, Nicole)(smw). (Entered: 07/11/2017)	
1782	07/12/2017	CIVIL ACTION NO. 1:17-CV-2615-ODE 422 28:0158. NO E-SUMMONS ISSUED. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 17-52941-mgd. Notice of Appeal filed 7/11/17 from Order entered 6/28/17 by Appellant Andrea Gilmore Cole. Fee Paid: Yes. USBC Receipt No. 1240856. (Attachments: # 1 NOA-doc34, # 2 Order-doc31, # 3 Docket report)(Lugo, Yahaira) (smw). (Entered: 07/12/2017)	
1783	07/12/2017	CIVIL ACTION NO. 1:17-CV-2616-CC JKL 220 28:1444. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Valerie Kyna Jackson vs. Wilmington Trust. Filing fee $ 400, receipt number 113E-7259875. (Attachments: # 1 Exhibit A (State Court Filings), # 2 Exhibit B (Security Deed 1), # 3 Exhibit C (Security Deed 2), # 4 Exhibit D (Tax Assessor Records), # 5 Exhibit E (Notice of Filing Notice of Removal), # 6 Civil Cover Sheet, # 7 Certificate of Interested Parties)(Anulewicz, Christopher)(smw). (Entered: 07/12/2017)	
1784	07/12/2017	CIVIL ACTION NO. 1:17-CV-2622-SCJ JFK 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Solomon Hilliard vs. Convergent Outsourcing, Inc.. Filing fee $ 400, receipt number 113E-7260166. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Mason, Jonathan)(smw). (Entered: 07/12/2017)	
1785	07/12/2017	CIVIL ACTION NO. 1:17-cv-2625-MHC 830 28:1338pt. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Andrew Irvin vs. Onward Manufacturing Company, Limited. Filing fee $ 400, receipt number 113E-7260294. (Attachments: # 1 Exhibit A to the Complaint, # 2 Exhibit B to the Complaint, # 3 Exhibit C to the Complaint, # 4 Exhibit D to the Complaint, # 5 Exhibit E to the Complaint, # 6 Exhibit F to the Complaint, # 7 Exhibit G to the Complaint, # 8 Exhibit H to the Complaint, # 9 Exhibit I to the Complaint, # 10 Exhibit J to the Complaint, # 11 Exhibit K to the Complaint, # 12 Exhibit L to the Complaint, # 13 Civil Cover Sheet Civil Cover Sheet, # 14 Summons Summons)(Peeler, Charles)(smw). (Entered: 07/12/2017)	
1786	07/12/2017	CIVIL ACTION NO. 1:17-CV-2626-AT 110 28:1441in. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Melissa Beauchamp d/b/a Property Pros vs. Nautilus Insurance Company. Filing fee $ 400, receipt number 113E-7260620. (Attachments: # 1 Exhibit 1 - Complaint, # 2 Exhibit 2 - Notice of Filing of Notice of Removal, # 3 Civil Cover Sheet)(Savrin, Philip)(smw). (Entered: 07/12/2017)	
1787	07/12/2017	CIVIL ACTION NO. 1:17-CV-2627-AT JSA 442 42:2000sx. ONE	

#	Date	Proceeding Text	Source
		E-SUMMONS ISSUED. Case Initiating Documents-Complaint Governor Henderson vs. Cynthia Nwokocha. Filing fee $ 400, receipt number 113E-7260954. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Cynthia Nwokocha Summons, # 3 Summons Paul Howard Summons)(Williams, Mario)(smw). (Entered: 07/12/2017)	
1788	07/12/2017	CIVIL ACTION NO. 1:17-CV-2629-MHC 110 28:2201in; SIX E-SUMMONS ISSUED. Case Initiating Documents-Complaint Gemini Insurance Company vs. Reliable Restoration, LLC. Filing fee $ 400, receipt number 113E-7260957. (Attachments: # 1 Exhibit Ex. A - Certified Policy, # 2 Exhibit Ex. B - Complaint, # 3 Exhibit Ex. C - Order Denying Motion to Open Default, # 4 Civil Cover Sheet Civil Cover Sheet, # 5 Summons Summons re Reliable Restoration, LLC, # 6 Summons Summons re Reliable Restoration Equipment, LLC, # 7 Summons Summons re Cotton States Mutual Insurance Company, # 8 Summons Summons re Country Mutual Insurance Company, # 9 Summons Summons re Richard Cohen, # 10 Summons Summons re Vikki Cohen)(Bailey, Melissa) (jaw). (Entered: 07/12/2017)	
1789	07/12/2017	CIVIL ACTION NO. 1:17-CV-2631-ELR 870 28:1335; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Universal Roofing Siding & Framing, Inc. vs. Weatherman Roofing, Inc.. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A)(Layne, Rebecca) (jaw). (Entered: 07/12/2017)	
1790	07/12/2017	CIVIL ACTION NO. 1:17-CV-2632-CAP 710 29:0216b; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Brady Fears vs. Auto Reflections, Inc.. Filing fee $ 400, receipt number 113E-7261242. (Attachments: # 1 Civil Cover Sheet)(Thomas, Brandon) (jaw). (Entered: 07/12/2017)	
1791	07/13/2017	CIVIL ACTION NO. 1:17-CV-2633-WSD 360 28:1441pi; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Terri Richardson vs. Wal-Mart Stores, Inc.. Filing fee $ 400, receipt number 113E-7261568. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - State Corut Pleadings)(Lessinger, Howard) (jaw). (Entered: 07/13/2017)	
1792	07/13/2017	CIVIL ACTION NO. 1:17-CV-2635-SCJ 190 28:1332bc; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Synovus Bank, as successor by merger to Global One Financial, Inc. vs. Lonnie D. Sloan, as Trustee for the Frederick D. Harris Irrevocable Trust Dated November 1, 1996. Filing fee $ 400, receipt number 113E-7261903. (Attachments: # 1 Exhibit Note, # 2 Exhibit Collateral Assignment, # 3 Exhibit Trustee's Consent, # 4 Exhibit Acknowledgement, # 5 Exhibit Disclosure Statement, # 6 Exhibit Guaranty, # 7 Exhibit Initial Default Notice, # 8 Exhibit Second Default Notice, # 9 Exhibit Third Default Notice, # 10 Civil Cover Sheet, # 11 Summons Summons to Trustee, # 12 Summons Summons to F. Harris)(Clinkscales, Thomas) (jaw). (Entered: 07/13/2017)	
1793	07/13/2017	CIVIL ACTION NO. 1:17-CV-2636-MHC 360 28:1441pi; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Livingston Scipio, Jr. vs. Hobby Lobby Stores, Inc.. Filing fee $ 400, receipt number 113E-7261883. (Attachments: # 1 Civil Cover Sheet, # 2 Affidavit, # 3 Exhibit Notice to Plaintiff of Removal, # 4 Exhibit Exhibit A, # 5 Exhibit Exhibit B)(Scarbrough, James) (jaw). (Entered: 07/13/2017)	
1794	07/13/2017	CIVIL ACTION NO. 1:17-CV-2637-ELR 710 29:0216b; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Joseph Taylor vs. JRK Residential Group, Inc.. Filing fee $ 400, receipt number 113E-7262790. (Attachments: # 1 Civil Cover	

#	Date	Proceeding Text	Source
		Sheet, # 2 Summons)(Vaughn, Christopher) (jaw). (Entered: 07/13/2017)	
1795	07/13/2017	CIVIL ACTION NO. 1:17-CV-2638-CAP JKL 863 42:0405wc; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ronnie Woods vs. Nancy A. Berryhill, Commissioner of Social Security. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons, # 4 Summons, # 5 Application to Proceed In Forma Pauperis)(Ginsberg, Jonathan) (jaw). (Entered: 07/13/2017)	
1796	07/13/2017	CIVIL ACTION NO. 1:17-CV-2639-ODE 710 29:0216b; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Janie Sims vs. Monge & Associates, P.C.. Filing fee $ 400, receipt number 113E-7263341. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Smith, Ian) (jaw). (Entered: 07/13/2017)	
1797	07/13/2017	CIVIL ACTION NO. 1:17-CV-2641-SCJ 446 42:12101; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Blinkhorn, Jessica vs. Century Holdings of Georgia LLC. Filing fee $ 400, receipt number 113E-7263652. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Ehrlich, Craig) (jaw). (Entered: 07/13/2017)	
1798	07/13/2017	CIVIL ACTION NO. 1:17-cv-2643-AT 360 28:1441pi. Case Initiating Documents-Notice of Removal, Amy Grier vs. Wal-Mart Stores East, LP. Filing fee $ 400, receipt number 113E-7264152. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - supporting documents, # 3 Exhibit B - state court process, pleadings, orders)(Rivera, Dawn) No e-summons issued. (akr). (Entered: 07/13/2017)	
1799	07/13/2017	CIVIL ACTION NO. 1:17-cv-2644-MHC 625 21:0881. Case Initiating Documents-Complaint United States of America vs. $57,000.00 in United States Currency. No payment received. (Attachments: # 1 Civil Cover Sheet)(Brown, Michael) No e-summons issued. (akr). (Entered: 07/13/2017)	
1800	07/14/2017	CIVIL ACTION NO. 1:17-cv-02648-ELR 870 26:7407. Case Initiating Documents-Complaint United States of America vs. Marjorie St. Jean. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons to Defendant Marjorie St. Jean, # 3 Summons to Defendant MarjorieStjeanLLC)(Applegate, Daniel) Two (2) e-summons issued. (akr). (Entered: 07/14/2017)	
1801	07/14/2017	CIVIL ACTION NO. 1:17-cv-2649-TCB 190 28:1332bc. Case Initiating Documents-Complaint CNH Industrial Capital America LLC vs. Edge Underground Inc.. Filing fee $ 400, receipt number 113E-7265275. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit 1 - Contract, # 3 Exhibit 2 - Guarantee)(Shultz, Chad) No e-summons issued. (akr). (Entered: 07/14/2017)	
1802	07/14/2017	CIVIL ACTION NO. 1:17-cv-2650-ELR 190 28:1441bc. Case Initiating Documents-Notice of Removal, PCI-U, LLC vs. FAIR ISAAC CORPORATION. Filing fee $ 400, receipt number 113E-7265091. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Civil Cover Sheet)(Suttle, Brooks) No e-summons issued. (akr). (Entered: 07/14/2017)	
1803	07/14/2017	CIVIL ACTION NO. 1:17-cv-2651-AT 190 28:1332bc. Case Initiating Documents-Complaint Hi-Tech Pharmaceuticals, Inc. vs. Muscle Elements, Inc.. Filing fee $ 400, receipt number 113E-7265964. (Attachments: # 1 Exhibit, # 2 Affidavit, # 3 Civil Cover Sheet, # 4 Summons)(Leach, Arthur) One (1) e-summons issued. (akr). (Entered: 07/14/2017)	
1804	07/14/2017	CIVIL ACTION NO. 1:17-cv-2653-SCJ 350 28:1441mv. Case Initiating Documents-Notice of Removal, Joey McMillian vs. Arrow Truck Sales Incorporated. Filing fee $ 400, receipt number 113E-	

#	Date	Proceeding Text	Source
		7266303. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Civil Cover Sheet)(Harris, Roger) No e-summons issued. (akr). (Entered: 07/14/2017)	
1805	07/14/2017	CIVIL ACTION NO. 1:17-cv-2654-MHC JFK 863 42:0405wc. Case Initiating Documents-Complaint Charles L. Hister vs. Nancy A. Berryhill. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons, # 4 Summons, # 5 Application to Proceed In Forma Pauperis)(Ginsberg, Jonathan) E-summons not issued; summons will be e-issued by dkt clerk upon IFP approval. (akr). (Entered: 07/14/2017)	
1806	07/14/2017	CIVIL ACTION NO. 1:17-cv-2655-MHC 625 21:0881. Case Initiating Documents-Complaint United States of America vs. 1435 Asberry Drive, Marietta, Cobb County, Georgia. No payment received. (Attachments: # 1 Civil Cover Sheet)(Brown, Michael) No e-summons issued. (akr). (Entered: 07/14/2017)	
1807	07/14/2017	CIVIL ACTION NO. 1:17-cv-2656-CAP JCF 480 15:1692. Case Initiating Documents-Complaint Lusnie Toussaint vs. Portfolio Recovery Associates, LLC. Filing fee $ 400, receipt number 113E-7266485. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Clapp, Charles) One (1) e-summons issued. (akr). (Entered: 07/14/2017)	
1808	07/14/2017	CIVIL ACTION NO. 1:17-cv-2658-TWT 360 28:1441pi. Case Initiating Documents-Complaint Kayla Merritt vs. Wal-Mart Stores, Inc.. Filing fee $ 400, receipt number 113E-7266652. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Demand, # 3 Exhibit B - State Court Pleadings)(Lessinger, Howard) No e-summons issued. (akr). (Entered: 07/14/2017)	
1809	07/14/2017	CIVIL ACTION NO. 1:17-cv-2659 LMM LTW 550 42:1983pr. Case Initiating Documents-Complaint Joe Nathan Clark vs. Gwinnett County, Georgia. Filing fee $ 400, receipt number 113E-7266879. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet)(Mondelli, Thomas) No e-summons issued. (akr). (Entered: 07/14/2017)	
1810	07/14/2017	CIVIL ACTION NO.1:17-CV-2661-TCB JKL 480 15:1681. ONE E-Summons ISSUED. Case Initiating Documents-Complaint John Paul William Jones vs. Equifax Information Services LLC. Filing fee $ 400, receipt number 113E-7267409. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Dorsen, Clifton)(smw). (Entered: 07/14/2017)	
1811	07/14/2017	CIVIL ACTION NO. 1:17-CV-2662-MHC 446 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint KATHERINE SMITH vs. Fresh Fund I LLC. Filing fee $ 400, receipt number 113E-7267441. (Attachments: # 1 Civil Cover Sheet, # 2 Summons to Fresh Fund LLC, # 3 Summons to Jim n Nicks, # 4 Certificate of Interested Persons)(Burns, Heather)(smw). (Entered: 07/14/2017)	
1812	07/14/2017	CIVIL ACTION NO. 1:17-CV-2665-ELR 446 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Katherine Smith vs. Urban Outfitters Inc. Filing fee $ 400, receipt number 113E-7267448. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate of Interested Persons)(Burns, Heather)(smw). (Entered: 07/14/2017)	
1813	07/14/2017	CIVIL ACTION NO. 1:17-CV-2667. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Undretta Thomas vs. Woodbridge Corporation, d/b/a The Woodbridge Group and Woodbridge Holdings, Inc.. Filing fee $ 400, receipt number 113E-7267479. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Woodbridge, # 3 Plaintiff's Certificate of Interested Persons)(Palmer, Pamela)(smw). (Entered: 07/14/2017)	
1814	07/14/2017	CIVIL ACTION NO. 1:17-CV-2668-CAP JKL 442 42:1981ra. TWO	

#	Date	Proceeding Text	Source
		E-SUMMONS ISSUED. Case Initiating Documents-Complaint Rose Robertson vs. Riverstone Communites, LLC. Filing fee $ 400, receipt number 113E-7267483. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Brown, Kristine)(smw). (Entered: 07/14/2017)	
1815	07/14/2017	CIVIL ACTION NO. 1:17-CV-2669-SCJ 710 29:0216b. FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ebony Jackson vs. Goosebumps, Inc.. Filing fee $ 400, receipt number 113E-7267496. (Attachments: # 1 Exhibit A_Consent to Serve as a Plaintiff Representative (Ebony Jackson), # 2 Exhibit B_Consent to Serve as Plaintiff Representative (Alitha Jackson), # 3 Civil Cover Sheet, # 4 Summons to Goosebumps, Inc., # 5 Summons to Bruce Dobbs, # 6 Summons to George Kelly, # 7 Summons to Mark Stephens, Sr.)(Bridgers, Charles)(smw). (Entered: 07/14/2017)	
1816	07/15/2017	CIVIL ACTION NO. 1:17-CV-2670. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Terry McGuire vs. The Kroger, Co.. Filing fee $ 400, receipt number 113E-7267644. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons The Kroger, Co., # 3 Exhibit A Charge of Discrimination, # 4 Exhibit B Notice of Right to Sue)(Martin, Thomas)(smw). (Entered: 07/15/2017)	
1817	07/16/2017	CIVIL ACTION NO. 1:17-CV-2671-SCJ JFK 480 15:1692. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Shiniqua Davis vs. Portfolio Recovery Associates, LLC. Filing fee $ 400, receipt number 113E-7267740. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Cooling & Winter, # 3 Summons as to Portfolio Recovery Associates)(Carlson, Clifford)(smw). (Entered: 07/16/2017)	
1818	07/17/2017	CIVIL ACTION NO. 1:17-CV-2672-AT 690 18:0981. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint United States of America vs. 7525 N. Clearwater Parkway, Paradise Valley, AZ 85253. No payment received. (Attachments: # 1 Civil Cover Sheet)(Connors, Kelly)(smw). (Entered: 07/17/2017)	
1819	07/17/2017	CIVIL ACTION NO. 1:17-CV-2673-SCJ LTW 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint CORY L. STONE vs. NANCY A. BERRYHILL, Acting Comm'r of Social Security. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 IFP Motion, # 3 IFP Application, # 4 Summons Defendant c/o OGC, # 5 Summons US Atty, # 6 Summons Atty Gen)(Hogan, John) SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 07/17/2017)	
1820	07/17/2017	CIVIL ACTION NO. 1:17-CV-2674-MHC AJB 863 42:0405ww. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Zachoyia Jenks vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL (smw). (Entered: 07/17/2017)	
1821	07/17/2017	CIVIL ACTION NO. 1:17-CV-2676-TWT LTW 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Waldemar Rafael Vidal vs. Equifax Information Services, LLC; Experian Information Solutions, Inc.; and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7269501. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam)(smw). (Entered: 07/17/2017)	

#	Date	Proceeding Text	Source
1822	07/17/2017	CIVIL ACTION NO. 1:17-CV-2677-ELR AJB 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Steve Azuero vs. Equifax Information Services, LLC and M&T Bank Corporation. Filing fee $ 400, receipt number 113E-7269523. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam) (smw). (Entered: 07/17/2017)	
1823	07/17/2017	CIVIL ACTION NO. 1:17-CV-2678-ODE WEJ 480 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Karla Johnson vs. Stanislaus Credit Control Service, Inc.,. Filing fee $ 400, receipt number 113E-7269565. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam)(smw). (Entered: 07/17/2017)	
1824	07/17/2017	CIVIL ACTION NO. 1:17-CV-2679-WSD JSA 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Paul R. Brown and Merrill O. Brown vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7269758. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 07/17/2017)	
1825	07/17/2017	CIVIL ACTION NO. 1:17-CV-2680-AT JCF 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Matthew Byrd and Wilma Byrd vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7269777. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 07/17/2017)	
1826	07/17/2017	CIVIL ACTION NO. 1:17-CV-2681-SCJ CMS 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Terri Fawn Gordon vs. Trans Union, LLC and Seterus, Inc., as servicer for Federal National Mortgage Association. Filing fee $ 400, receipt number 113E-7269819. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 07/17/2017)	
1827	07/17/2017	CIVIL ACTION NO. 1:17-CV-2682-MHC JKL 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sonya Denise Hall vs. Experian Information Solutions, Inc.; Trans Union, LLC; and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7269893. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 07/17/2017)	
1828	07/17/2017	CIVIL ACTION NO. 1:17-CV-2683-ELR 690 18:0922. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint United States of America vs. Seventeen Miscellaneous Firearms. No payment received. (Attachments: # 1 Civil Cover Sheet)(Sneed, Sekret)(smw). (Entered: 07/17/2017)	
1829	07/18/2017	CIVIL ACTION NO. 1:17-CV-2685-ODE JFK 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Darryl Wayne Donald and Shirley Rucker Donald vs. Equifax Information Services, LLC and JPMorgan Chase Bank. Filing fee $ 400, receipt number 113E-7270670. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam) (jaw). (Entered: 07/18/2017)	
1830	07/18/2017	CIVIL ACTION NO. 1:17-CV-2686-CAP LTW 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Margaret Bryson Harpe vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7270681. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 07/18/2017)	
1831	07/18/2017	CIVIL ACTION NO. 1:17-CV-2688-WSD AJB 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Willie Jarvis White vs. Equifax Information Services, LLC and JPMorgan Chase Bank a/k/a and d/b/a Chase Mortgage. Filing fee $ 400, receipt number 113E-7270831. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam) (jaw). (Entered: 07/18/2017)	
1832	07/18/2017	CIVIL ACTION NO. 1:17-CV-2689-AT JSA 863 42:0405wc; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Gloria Hodges vs. Nancy A. Berryhill, Acting Commissioner of SSA. No	

#	Date	Proceeding Text	Source
		payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 07/18/2017)	
1833	07/18/2017	CIVIL ACTION NO. 1:17-CV-2690-SCJ CMS 863 42:0405wc; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Kimberly King vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 07/18/2017)	
1834	07/18/2017	CIVIL ACTION NO. 1:17-CV-2691-LMM JKL 863 42:0405wc; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint MARCIA SUSAN GIBBS vs. NANCY A. BERRYHILL, Acting Comm'r of Social Security. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 IFP Motion, # 3 IFP Application, # 4 Summons Defendant, c/o OGC, # 5 Summons U.S. Atty, # 6 Summons Atty Gen)(Hogan, John) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 07/18/2017)	
1835	07/18/2017	CIVIL ACTION NO. 1:17-CV-2695-WSD 446 42:12101; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Holt, Dakota vs. Windy Hill Minimart Inc. Filing fee $ 400, receipt number 113E-7271733. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Windy Hill Minimart Inc, # 3 Summons as to Defendant Windy Hill Enterprise, Inc.)(Ehrlich, Craig) (jaw). (Entered: 07/18/2017)	
1836	07/18/2017	CIVIL ACTION NO. 1:17-CV-2699-AT 365 28:1441pl; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Erik R. Schrum vs. Nestle USA, Inc.. Filing fee $ 400, receipt number 113E-7272495. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet)(Adler, Jennifer) (jaw). (Entered: 07/18/2017)	
1837	07/18/2017	CIVIL ACTION NO. 1:17-CV-2700-SCJ 790 38:4301; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint CHRISTINA JAMEISON vs. COMCAST CABLE COMMUNICATIONS MANAGEMENT, LLC. Filing fee $ 400, receipt number 113E-7272604. (Attachments: # 1 Civil Cover Sheet, # 2 Summons to Comcast)(Bridgers, Charles) (jaw). (Entered: 07/18/2017)	
1838	07/18/2017	CIVIL ACTION NO. 1:17-cv-2701-AT LTW 442 42:2000sx. Case Initiating Documents-Complaint Sanette Rigney vs. SynergyMed Corporate Wellness, LLC. Filing fee $ 400, receipt number 113E-7272706. (Attachments: # 1 Civil Cover Sheet, # 2 Summons SynergyMed Corporate Wellness, LLC, # 3 Summons Vincent C. Bubolo, # 4 Exhibit "A" Right to Sue)(Mixon, J.) Two (2) e-summons issued. NOTE: Right to Sue ltr for E. Thompson attached in error. (akr). (Entered: 07/18/2017)	
1839	07/18/2017	CIVIL ACTION NO. 1:17-cv-2702-LMM 110 28:1332in. Case Initiating Documents-Complaint Jon Bruce Hughes vs. Athene Annuity & Life Assurance Company. Filing fee $ 400, receipt number 113E-7272953. (Attachments: # 1 Exhibit A- Annuity Contract, # 2 Exhibit B- GLWB Rider, # 3 Civil Cover Sheet, # 4 Summons)(Miller, Rodney) One (1) e-summons issued. (akr). (Entered: 07/18/2017)	
1840	07/18/2017	CIVIL ACTION NO. 1:17-cv-2703-MHC JCF 290 28:2201dj. Case Initiating Documents-Complaint U.S. Bank, N.A. as Trustee vs. Richard Frank Schrubb. Filing fee $ 400, receipt number 113E-	

#	Date	Proceeding Text	Source
		7272972. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Frank Schrubb, # 3 Summons Kelly Schrubb, # 4 Summons FHB Fuding, # 5 Summons Household)(Wersant, Paul) NOTE: Incorrect Civil Cover Sheet submitted; Atty. Wersant contacted on 7/19/17 by akr and directed to resubmit in case assigned. Four (4) e-summons issued. (akr). (Entered: 07/18/2017)	
1841	07/18/2017	CIVIL ACTION NO. 1:17-cv-2704-ELR 890 47:0227. Case Initiating Documents-Complaint Shawn Hines vs. FDS Bank. Filing fee $ 400, receipt number 113E-7272978. (Attachments: # 1 Summons Department Stores National Bank, # 2 Summons FDS Bank, # 3 Civil Cover Sheet)(Feagle, James) Two (2) e-summons issued. (akr). (Entered: 07/18/2017)	
1842	07/19/2017	CIVIL ACTION NO. 1:17-cv-2705-CAP 890 47:0227. Case Initiating Documents-Complaint Junia Bananao vs. Capital One Bank. Filing fee $ 400, receipt number 113E-7273302. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Douglas, Chaka) E-summons not issued; two addresses for one defendant; Atty. Douglas contacted on 7/19/17 by akr and directed to resubmit in case assigned. (akr). (Entered: 07/19/2017)	
1843	07/19/2017	CIVIL ACTION NO. 1:17-cv-2706-SCJ 480 47:0227. Case Initiating Documents-Complaint Janet Crump vs. Capital One Bank. Filing fee $ 400, receipt number 113E-7273459. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Douglas, Chaka) E-summons not issued; incomplete; Atty. Douglas contacted on 7/19/17 by akr and directed to resubmit in case assigned. (akr). (Entered: 07/19/2017)	
1844	07/19/2017	CIVIL ACTION NO. 1:17-cv-2707-LMM 350 28:1441mv. Case Initiating Documents-Notice of Removal, Mary Dreger vs. 3G Eagle Transport, LLC. Filing fee $ 400, receipt number 113E-7273555. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet)(Parrott, Brad) No e-summons issued. (akr). (Entered: 07/19/2017)	
1845	07/19/2017	CIVIL ACTION NO. 1:17-cv-2708-MHC 462 08:1446. Case Initiating Documents-Complaint Valentine Uwangue vs. James McCament. Filing fee $ 400, receipt number 113E-7273864. (Attachments: # 1 Exhibit LPR Card and Passport, # 2 Exhibit N-400 Receipt Notice, # 3 Exhibit N-400 Biometrics Notice, # 4 Exhibit N-400 Interview Notice, # 5 Exhibit N-400 Interview Results, # 6 Exhibit Infopass Confirmations, # 7 Exhibit N-400 Case Status, # 8 Civil Cover Sheet Civil Cover, # 9 Summons Summons USCIS Acting Director, # 10 Summons Summons USCIS ATL Field Office Director, # 11 Summons Summons Attorney General, # 12 Summons Summons US Attorney NDGA)(Dutta, Kreetee) Four (4) e-summons issued. (akr). (Entered: 07/19/2017)	
1846	07/19/2017	CIVIL ACTION NO. 1:17-cv-2710-CAP JKL 480 15:1681. Case Initiating Documents-Complaint Roderick Stanley Johns vs. Experian Information Solutions, Inc., Trans Union, LLC, and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7274381. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) No e-summons issued. (akr). (Entered: 07/19/2017)	
1847	07/19/2017	CIVIL ACTION NO. 1:17-cv-2712-WSD JFK 371 15:1601. Case Initiating Documents-Notice of Removal, LORI G. BRANDENSTEIN vs. PENNYMAC LOAN SERVICES, LLC. Filing fee $ 400, receipt number 113E-7274455. (Attachments: # 1 Exhibit A-State Court Filings, # 2 Exhibit B-GA SOS Records, # 3 Exhibit C-Security Deed, # 4 Exhibit D-Tax Record, # 5 Civil Cover Sheet)(Gallegos, Jessica) No e-summons issued. (akr). (Entered: 07/19/2017)	

#	Date	Proceeding Text	Source
1848	07/19/2017	CIVIL ACTION NO. 1:17-cv-2713-LMM WEJ 442 29:0626. Case Initiating Documents-Complaint Mildred Campbell vs. DeKalb County School District. Filing fee $ 400, receipt number 113E-7274497. (Attachments: # 1 Civil Cover Sheet)(Hamilton, Delores) No e-summons issued. (akr). (Entered: 07/19/2017)	
1849	07/19/2017	CIVIL ACTION NO. 1:17-cv-2714-AT 190 28:1441bc. Case Initiating Documents-Notice of Removal, Robert C. Kennelly vs. Bank of America, N.A.. Filing fee $ 400, receipt number 113E-7274635. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D)(Ost, Julia) No e-summons issued. NOTE: Civil Cover Sheet not attached; Atty. Ost contacted on 7/19/17 by akr and directed to resubmit in case assigned.(akr). (Entered: 07/19/2017)	
1850	07/19/2017	CIVIL ACTION NO. 1:17-cv-2716-MHC LTW 480 15:1692. Ashleigh East vs. Sunrise Credit Services, Inc. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7274693. (Attachments: # 1 Civil Cover Sheet Civil Cover, # 2 Summons Summons, # 3 Appendix Aff. East, # 4 Exhibit Ex. 1, # 5 Exhibit Ex. 2, # 6 Exhibit Ex. 3, # 7 Exhibit Ex. 4, # 8 Supplement Certificate of Interested Person)(Prado, David) One (1) e-summons issued. (akr). (Entered: 07/19/2017)	
1851	07/19/2017	CIVIL ACTION NO. 1:17-cv-2717-ELR 360 28:1441pi. Case Initiating Documents-Notice of Removal, Jose Montiel-Hernandez vs. Long Foundation Drilling Co.. Filing fee $ 400, receipt number 113E-7274660. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit State Court Civil Initiation Form, # 3 Exhibit Complaint, # 4 Exhibit Rule 5.2 Certificate of Discovery, # 5 Exhibit Summons, # 6 Exhibit Answer, # 7 Exhibit Notice of Filing Notice of Removal)(Holliday, Andrew) No e-summons issued. (akr). (Entered: 07/19/2017)	
1852	07/19/2017	CIVIL ACTION NO. 1:17-cv-2718-CAP 360 28:1441pi. Case Initiating Documents-Notice of Removal, Gail Ferrell vs. Mannigton Mills, Inc., et al.. Filing fee $ 400, receipt number 113E-7274468. (Attachments: # 1 Exhibit A (State Court Pleadings), # 2 Exhibit B (Demand Package Pt 1), # 3 Exhibit B (Demand Package Pt 2), # 4 Exhibit B (Demand Package Pt 3), # 5 Exhibit B (Demand Package Pt 4), # 6 Exhibit C (Property Tax Records), # 7 Exhibit D (Affidavit of W. Wharton), # 8 Civil Cover Sheet)(Rust, Michael) No e-summons issued. (akr). (Entered: 07/19/2017)	
1853	07/19/2017	CIVIL ACTION NO. 1:17-cv-2719-TWT 891 07:0499. Case Initiating Documents-Complaint DiMare Ruskin, Inc. vs. Atlanta Tomato, LLC. Filing fee $ 400, receipt number 113E-7275111. (Attachments: # 1 Exhibit 1 - PACA License DiMare Ruskin, Inc., # 2 Exhibit 2 - PACA License Atlanta Tomato, LLC, # 3 Exhibit 3 - DiMare Ruskin Inc. Statement and Invoices re Atlanta Tomato, LLC, # 4 Civil Cover Sheet, # 5 Summons directed to Defendant Atlanta Tomato, LLC, # 6 Summons directed to Defendant Timmy S. Adams, # 7 Supplement Certificate of Interested Persons and Corporate Disclosure Statement)(Maxim, Kevin) Two (2) e-summons issued. (akr). (Entered: 07/19/2017)	
1854	07/19/2017	CIVIL ACTION NO. 1:17-cv-2721-AT 190 28:1332bc. Case Initiating Documents-Complaint Kaazar Capital Partners LTD vs. Bactrac Technologies, LLC. Filing fee $ 400, receipt number 113E-7275114. (Attachments: # 1 Summons, # 2 Civil Cover Sheet, # 3 Exhibit)(Betts, David) E-summons not issued; two defendants on one summons; Atty. Betts contacted on 7/19/17 by akr and directed to resubmit correct summons in case assigned. (akr). (Entered: 07/19/2017)	

#	Date	Proceeding Text	Source
1855	07/19/2017	CIVIL ACTION NO. 1:17-CV-2724-SCJ WEJ 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sharon Ubani vs. Trans Union, LLC and JPMorgan Chase Bank a/k/a and d/b/a Chase Mortgage. Filing fee $ 400, receipt number 113E-7275558. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 07/19/2017)	
1856	07/19/2017	CIVIL ACTION NO. 1:17-CV-2725-LMM 110 28:1335. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Thrivent Financial for Lutherans vs. Shawn Maassel, Executor of the Estate of Kris Anne Wagner. Filing fee $ 400, receipt number 113E-7275540. (Attachments: # 1 Exhibit A - Wenninger Declaration, # 2 Exhibit A-1 - Insurance Policy, # 3 Exhibit A-2 - Final Judgment and Decree, # 4 Exhibit A-3 - Beneficiary Designation Form, # 5 Exhibit A-4 - Death Certificate, # 6 Exhibit A-5 - Letter to Thrivent, # 7 Exhibit A-6 - Order Admitting Will to Probate, # 8 Exhibit A-1 - Letters Testamentary, # 9 Civil Cover Sheet, # 10 Certificate of Interested Persons and Corporate Disclosure Statement)(Underwood, William)(smw). (Entered: 07/19/2017)	
1857	07/19/2017	CIVIL ACTION NO. 1:17-CV-2726-MHC RGV 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Karen Ann Taylor vs. Trans Union, LLC and JPMorgan Chase Bank. Filing fee $ 400, receipt number 113E-7275571. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) Modified on 7/20/2017 (smw). (Entered: 07/19/2017)	
1858	07/19/2017	CIVIL ACTION NO. 1:17-CV-2727-ELR JSA 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint George McMahan vs. Trans Union, LLC. Filing fee $ 400, receipt number 113E-7275576. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 07/19/2017)	
1859	07/19/2017	CIVIL ACTION NO. 1:17-CV-2728-TWT CMS 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Rayda Lee Reed vs. Trans Union, LLC and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7275583. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 07/19/2017)	
1860	07/19/2017	CIVIL ACTION NO. 1:17-CV-2729-WSD JKL 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Haytham M. Seweelam vs. Trans Union, LLC and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7275590. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 07/19/2017)	
1861	07/19/2017	CIVIL ACTION NO. 1:17-CV-2730-AT 440 42:1983cv. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Mario Haygood vs. Blu Cantina. Filing fee $ 400, receipt number 113E-7275660. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Blu Cantina Summons, # 3 Summons City of Atlanta Summons)(Ugwonali, Adanna)(smw). (Entered: 07/19/2017)	
1862	07/20/2017	CIVIL ACTION NO. 1:17-CV-2731-SCJ JFK 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sheri Lin Williams vs. Trans Union, LLC and Ally Financial, Inc.,. Filing fee $ 400, receipt number 113E-7275709. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 07/20/2017)	
1863	07/20/2017	CIVIL ACTION NO. 1:17-CV-2732-LMM LTW 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Richard Anthony Walker and Reena Walker vs. Equifax Information Services, LLC and Trans Union LLC. Filing fee $ 400,	

#	Date	Proceeding Text	Source
		receipt number 113E-7275710. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 07/20/2017)	
1864	07/20/2017	CIVIL ACTION NO. 1:17-CV-2733-MHC RGV 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint David Morris Rucker vs. Equifax Information Services, LLC and M&T Bank Corporation. Filing fee $ 400, receipt number 113E-7275711. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew)(smw). (Entered: 07/20/2017)	
1865	07/20/2017	CIVIL ACTION NO. 1:17-cv-1865-ELR JSA 480 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Fannie Hunt vs. Syndicated Office Systems, LLC a/k/a and d/b/a Central Financial Control. Filing fee $ 400, receipt number 113E-7275712. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew)(smw). (Entered: 07/20/2017)	
1866	07/20/2017	CIVIL ACTION NO. 1:17-CV-2735-CAP JCF 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Larry Dwight Barge and Deborah Anne Barge vs. Equifax Information Services, LLC and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7275718. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) (smw). (Entered: 07/20/2017)	
1867	07/20/2017	CIVIL ACTION NO. 1:17-CV-2736-WSD 791 29:1132. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Claude Lilly vs. Merck & Co., Inc., d.b.a. Merck Sharp & Dohme Corp., Group Disability Plan. Filing fee $ 400, receipt number 113E-7276023. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet)(Hofrichter, Michael)(smw). (Entered: 07/20/2017)	
1868	07/20/2017	CIVIL ACTION NO. 1:17-CV-2737-TCB 110 28:1441in. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Moon S. Paik vs. Allstate Insurance Company Subscribing to Policy Number 915 327 897. Filing fee $ 400, receipt number 113E-7276356. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Verification of Marvin D. Dikeman, # 4 Affidavit of Marvin D. Dikeman, # 5 Jury Demand, # 6 Civil Cover Sheet)(Dikeman, Marvin) (smw). (Entered: 07/20/2017)	
1869	07/20/2017	CIVIL ACTION NO. 1:17-CV-2740-AT LTW 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Maureen Connolly vs. Nancy A. Berryhill, Commissioner of Social Security. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons, # 4 Summons, # 5 Application to Proceed In Forma Pauperis)(Ginsberg, Jonathan) SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 07/20/2017)	
1870	07/20/2017	CIVIL ACTION NO. 1:17-CV-2743-ELR 446 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Holt, Dakota vs. Holt v. 2900 South Cobb Drive, LLC. Filing fee $ 400, receipt number 113E-7276812. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Ehrlich, Craig) (smw). (Entered: 07/20/2017)	
1871	07/20/2017	CIVIL ACTION NO. 1:17-CV-2744-LMM 110 28:2201in. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Hartford Casualty Insurance Company vs. TD Group LLC. Filing fee $ 400, receipt number 113E-7276971. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(O'Brien, Dennis) (smw). (Entered: 07/20/2017)	
1872	07/20/2017	TRO - IMMEDIATE HEARING REQUESTED CIVIL ACTION NO. 1:17-CV-2745-LMM 440 42:1983cv. NINE E-SUMMONS ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7276982. (Attachments: # 1 Civil Cover Sheet, # 2	

#	Date	Proceeding Text	Source
		Summons)(Logue, A.)(smw). (Entered: 07/20/2017)	
1873	07/20/2017	CIVIL ACTION NO. 1:17-CV-2744-LMM. RESUBMISSION of 1871 Case Initiating Documents-Complaint Hartford Casualty Insurance Company vs. TD Group LLC. Filing fee $ 400, receipt number 113E-7276971. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(O'Brien, Dennis). (Attachments: # 1 Civil Cover Sheet Corrected Cover Sheet)(O'Brien, Dennis) (smw). (Entered: 07/20/2017)	
1874	07/20/2017	CIVIL ACTION NO. 1:17-CV-2746-ODE 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint RONALD CLEVELAND vs. CAPITAL ONE BANK (USA), N.A.. Filing fee $ 400, receipt number 113E-7277134. (Attachments: # 1 Exhibit A. Call Log, # 2 Civil Cover Sheet, # 3 Summons)(Gomez, Octavio)(smw). (Entered: 07/20/2017)	
1875	07/20/2017	CIVIL ACTION NO. 1:17-CV-2748-CAP 350 28:1441mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Jarvis Brown vs. Jared Edwards. Filing fee $ 400, receipt number 113E-7277719. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Complaint, # 3 Exhibit Demand Letter, # 4 Exhibit E-mail Confirmation of Service of Process, # 5 Exhibit Answer of Defendant Anderson Trucking)(Hostetter, Michael)(smw). (Entered: 07/20/2017)	
1876	07/20/2017	CIVIL ACTION NO. 1:l7-CV-2749-TWT 190 28:1441bc. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Spinnaker International, LLC and Ashwin Damodaran vs. Greenfence, LLC. Filing fee $ 400, receipt number 113E-7277677. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit A)(Johnson, Carey)(smw). (Entered: 07/20/2017)	
1877	07/20/2017	CIVIL ACTION NO. 1:17-CV-2750-ODE JCF 751 29:2601. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Josette Fryer vs. Delta Dental Insurance Company. Filing fee $ 400, receipt number 113E-7277855. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Pridgen, Nancy)(smw). (Entered: 07/20/2017)	
1878	07/20/2017	CIVIL ACTION NO. 1:17-CV-2751-WSD 710 29:0216b; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Latarshia Lee vs. City of Walthourville. Filing fee $ 400, receipt number 113E-7278042. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Smith, Ian) (jaw). (Entered: 07/20/2017)	
1879	07/20/2017	CIVIL ACTION NO. 1:17-CV-2753-CAP CMS 751 29:2601; FPUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint LaShaun Harris vs. Ryder Truck Rental, Inc.. Filing fee $ 400, receipt number 113E-7278186. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Aon Service Corporation, # 3 Summons Ryder Truck Rental, Inc., # 4 Summons Ryder Risk Solutions, LLC., # 5 Summons Ryder Integrated Logistics, Inc.)(Mixon, J.) (jaw). (Entered: 07/20/2017)	
1880	07/20/2017	CIVIL ACTION NO. 1:17-CV-2755-AT 710 29:0216b; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint LORA MCMAHON vs. TARSEM L. GUPTA, M.D., P.C.. Filing fee $ 400, receipt number 113E-7278209. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Roberts, Victor) (jaw). (Entered: 07/20/2017)	
1881	07/21/2017	CIVIL ACTION NO. 1:17-CV-2756-SCJ 791 29:1132; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Wilma F. Leonard vs. Unum Life Insurance Company of America. Filing fee $ 400, receipt number 113E-7278389. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet)(Karrh, Heather) (jaw). (Entered: 07/21/2017)	

#	Date	Proceeding Text	Source
1882	07/21/2017	CIVIL ACTION NO. 1:17-CV-2757-MHC 791 29:1132; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Eugene Greenberg vs. Hartford Life and Accident Insurance Company. Filing fee $ 400, receipt number 113E-7278390. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons Form)(Karrh, Heather) (jaw). (Entered: 07/21/2017)	
1883	07/21/2017	CIVIL ACTION NO. 1:17-CV-2759-ELR CMS 480 15:1692; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Rasheen Lewis vs. I.C. System, Inc.,. Filing fee $ 400, receipt number 113E-7278581. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) (jaw). (Entered: 07/21/2017)	
1884	07/21/2017	CIVIL ACTION NO. 1:17-CV-2760-TCB JKL 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Roland Theodore Tallant, Jr. and Michele Ann Tallant vs. Equifax Information Services, LLC and Branch Banking and Trust Company a/k/a and d/b/a BB&T. Filing fee $ 400, receipt number 113E-7278593. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) (jaw). (Entered: 07/21/2017)	
1885	07/21/2017	CIVIL ACTION NO. 1:17-CV-2761-AT 190 28:1332bc; NO E-Summons ISSUED. Case Initiating Documents-Complaint Gerald R. Schell, MD vs. Amendia, Inc.. Filing fee $ 400, receipt number 113E-7278762. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Hudson, David) (jaw). (Entered: 07/21/2017)	
1886	07/21/2017	CIVIL ACTION NO. 1:17-CV-2762-TCB 840 15:1125a; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Paleo Media, LLC vs. J&L Diversified Holdings LLC. Filing fee $ 400, receipt number 113E-7278810. (Attachments: # 1 Summons - J&L Diversified Holdings, # 2 Summons - Jeremy Michael Hendon, # 3 Civil Cover Sheet)(Covington, Troy) (jaw). (Entered: 07/21/2017)	
1887	07/21/2017	CIVIL ACTION NO. 1:17-CV-2763-SCJ 350 28:1441mv; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Oluwaseun O. Adeniji vs. Berkshire Hathaway Homestate Insurance Company. Filing fee $ 400, receipt number 113E-7278898. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exh. 1-Summons and Complaint, # 3 Exhibit Exh. 1A-Odyssey eFile GA Case Information, # 4 Exhibit Exh. 2-Business Search Info-Redacted, # 5 Exhibit Exh. 3-Corporation File Detail Report-Redacted, # 6 Exhibit Exh. 4-Motor Vehicle Accident Report-Redacted, # 7 Exhibit Exh.5-March 8, 2017 PL Atty Demand Letter, # 8 Exhibit Exh. 6-June 23, 2017 Def. Berkshire Served by Certified Mail)(Estes, Brent) (jaw). (Entered: 07/21/2017)	
1888	07/21/2017	MISCELANEOUS CASE NO. 1:17-MI-0061-SCJ RGV 890 28:1782; NO E-SUMMONS ISSUED. Case Initiating Documents-Miscellaneous (Letters Rogatory from another district), UNITED STATES vs. VLASTIMIL BEBR. No payment received. (Attachments: # 1 Exhibit A - Declaration, # 2 Text of Proposed Order, # 3 Civil Cover Sheet)(Williams, Melaine) (jaw). (Entered: 07/21/2017)	
1889	07/21/2017	TRO - CIVIL ACTION NO. 1:17-CV-2766-MHC 140 28:1332ni; FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7279672. (Attachments: # 1 Exhibit Exhibits 1-7, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Summons Summons for Cymill Properties, Inc., # 4 Summons Summons for Cymill Motors, Inc., # 5 Summons Summons for Millern P. Jarrett-Thorpe, # 6 Summons Summons for Cynthia O. Jarrett-Thorpe)(Rogers, Beth) (jaw). (Entered: 07/21/2017)	

#	Date	Proceeding Text	Source
1890	07/21/2017	DUPLICATE FILING OF 1878 . JAW NOTIFIED ATTORNEY IAN E SMITH @ 2:55 ON JULY 21, 2-17 TO REQUEST REFUND FROM CASE INITIALLY FILED (1:17-CV-2751-WSD) AT ENTRY 1878 . Case Initiating Documents-Complaint Latarshia Lee vs. City of Walthourville. Filing fee $ 400, receipt number 113E-7279817. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Smith, Ian) (jaw). (Entered: 07/21/2017)	
1891	07/21/2017	CIVIL ACTION NO. 1:17-CV-2769-TWT 830 28:1338pt; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint OMEGA PATENTS, LLC vs. ENFORA, INC.. Filing fee $ 400, receipt number 113E-7279878. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - U.S. Patent No. 6,346,876, # 3 Exhibit B - U.S. Patent No. 6,756,885, # 4 Exhibit C - U.S. Patent No. 8,032,278, # 5 Certificate of Interested Persons and Corporate Disclosure Statement, # 6 Summons)(Lee, Cynthia) (jaw). (Entered: 07/21/2017)	
1892	07/21/2017	CIVIL ACTION NO. 1:17-CV-2770-WSD 367 28:1332pl; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Frances Carter vs. Wright Medical Technology, Inc.. Filing fee $ 400, receipt number 113E-7280365. (Attachments: # 1 Civil Cover Sheet)(Goza, Kirk) (jaw). (Entered: 07/21/2017)	
1893	07/21/2017	TRO - CIVIL ACTION NO. 1:17-CV-2771-ELR 840 28:1338tr; THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7280488. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Michael Marshall, # 3 Summons Harold Melton, # 4 Summons RAMMCO)(Treadwell, Trishanda) (jaw). (Entered: 07/21/2017)	
1894	07/21/2017	CIVIL ACTION NO. 1:17-cv-2772-ODE 190 28:1332bc. Case Initiating Documents-Complaint BellSouth Telecommunications, LLC vs. OneTone Telecom, Inc.. Filing fee $ 400, receipt number 113E-7280564. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Justus, Matthew) One (1) e-summons issued. (akr). (Entered: 07/21/2017)	
1895	07/21/2017	CIVIL ACTION NO. 1:17-cv-2773-CAP 465 08:1329. Case Initiating Documents-Complaint Mohammad A. Rashid vs. John F. Kelly. Filing fee $ 400, receipt number 113E-7280687. (Attachments: # 1 Exhibit Ex 1 - Passport and Birth Cert, # 2 Exhibit Ex 2 - Parole Certificate Records, # 3 Exhibit Ex 3 - Marriage Certificate, # 4 Exhibit Ex 4 - I-130 Receipt Notice, # 5 Exhibit Ex 5 - I-485 Receipt Notice, # 6 Exhibit Ex 6 - Biometrics Notice, # 7 Exhibit Ex 7 - Interview Notice, # 8 Exhibit Ex 8 - I-130 Approval Notice, # 9 Exhibit Ex 9 - I-485 Interview Results, # 10 Exhibit Ex 10 - 601 Request, Receipt Notice, and Approval Notice, # 11 Exhibit Ex 11 - RFE and RFE Response, # 12 Exhibit Ex 12 - 2nd I-485 Interview Notice, # 13 Exhibit Ex 13 - Case Status Results, # 14 Exhibit Ex 14 - 3rd RFE and RFE Response, # 15 Civil Cover Sheet Civil Cover Sheet, # 16 Summons DHS Secretary Summons, # 17 Summons USCIS Acting Director Summons, # 18 Summons USCIS ATL Field Office Director Summons, # 19 Summons US Attorney General Summons, # 20 Summons US Attorney NDGA Summons)(Dutta, Kreetee) Five (5) e-summons issued. (akr). (Entered: 07/21/2017)	
1896	07/21/2017	CIVIL ACTION NO. 1:17-cv-2774-AT 446 42:12101. Case Initiating Documents-Complaint Futch, Thomas H. vs. VBS, LLC. Filing fee $ 400, receipt number 113E-7280971. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Ehrlich, Craig) One (1) e-summons issued. (akr). (Entered: 07/21/2017)	
1897	07/24/2017	CIVIL ACTION NO. 1:17-cv-2775-AT 820 28:1338cp. Case Initiating Documents-Complaint John M. Slemp vs. Ken R. Starnes. Filing fee $ 400, receipt number 113E-7281094.	

#	Date	Proceeding Text	Source
		(Attachments: # 1 Civil Cover Sheet, # 2 Exhibit, # 3 Exhibit, # 4 Exhibit, # 5 Exhibit, # 6 Exhibit, # 7 Exhibit, # 8 Exhibit, # 9 Exhibit, # 10 Exhibit, # 11 Exhibit, # 12 Exhibit, # 13 Exhibit, # 14 Exhibit, # 15 Exhibit, # 16 Exhibit, # 17 Exhibit, # 18 Exhibit, # 19 Exhibit, # 20 Exhibit, # 21 Exhibit, # 22 Exhibit, # 23 Exhibit, # 24 Exhibit, # 25 Exhibit, # 26 Exhibit, # 27 Exhibit)(Register, Eric) No e-summons issued. (akr). (Entered: 07/24/2017)	
1898	07/24/2017	CIVIL ACTION NO. 1:17-cv-2780-LMM 360 28:1332pi. Case Initiating Documents-Complaint Tera Robinson vs. Wal-Mart Stores East, LP. Filing fee $ 400, receipt number 113E-7281784. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Parrish, Meredith) One (1) e-summons issued. (akr). (Entered: 07/24/2017)	
1899	07/24/2017	CIVIL ACTION NO. 1:17-cv-2782-CAP 367 28:1332pl. Case Initiating Documents-Complaint Cynthia Turner vs. BRISTOL-MYERS SQUIBB COMPANY. Filing fee $ 400, receipt number 113E-7282571. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons, # 4 Summons)(Sanders, Douglas) Three (3) e-summons issued. (akr). (Entered: 07/24/2017)	
1900	07/24/2017	CIVIL ACTION NO. 1:17-cv-2785-SCJ JFK 791 29:2601. Case Initiating Documents-Complaint April Nix vs. McMaster Carr Supply Co.. Filing fee $ 400, receipt number 113E-7283087. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Kertscher, Douglas) One (1) e-summons issued. (akr). (Entered: 07/24/2017)	
1901	07/24/2017	CIVIL ACTION NO. 1:17-CV-2786-LMM AJB 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Mary Austin vs. Nancy A. Berryhill. No payment received. (Attachments: # 1 Civil Cover Sheet Cover Sheet, # 2 Summons Summons #1, # 3 Summons Summons #2, # 4 Summons Summons #3, # 5 Supplement Motion to Proceed In Forma Pauperis, # 6 Supplement Application to Proceed In Forma Pauperis)(Jackson, Forrest)E-SUMMONS WILL BE ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 07/24/2017)	
1902	07/24/2017	CIVIL ACTION NO. 1:17-CV-2787-MHC 110 28:2201in. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint AMCO Insurance Company vs. Finishing Dynamics, LLC. Filing fee $ 400, receipt number 113E-7283536. (Attachments: # 1 Exhibit A - Underlying Complaint, # 2 Exhibit B - ROR Letter, # 3 Exhibit C - 2012-2013 Commercial Policy, # 4 Exhibit D - 2013-2014 Commercial Policy, # 5 Exhibit E - Policy Cancellation, # 6 Exhibit F - 2012-2013 Umbrella Policy, # 7 Exhibit G - 2013-2014 Umbrella Policy, # 8 Exhibit H - Notice of Claim, # 9 Civil Cover Sheet, # 10 Summons Finishing Dynamics, # 11 Summons Royale Palms)(Savrin, Philip)(smw). (Entered: 07/24/2017)	
1903	07/24/2017	CIVIL ACTION NO. 1:17-CV-2789-SCJ 820 28:1338cp. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7283767. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Exhibit G, # 8 Civil Cover Sheet, # 9 Summons, # 10 Summons)(Cooper, Jason)(smw). (Entered: 07/24/2017)	
1904	07/24/2017	CIVIL ACTION NO. 1:17-CV-2789-SCJ. SUBMISSION of additional attachments re: 1903 Case Initiating Documents-Complaint,. (Attachments: # 1 Exhibit Plaintiff's Certificate of Interested persons and Corporate Disclosure Statement)(Cooper, Jason) Modified on 7/25/2017 (smw). (Entered: 07/24/2017)	
1905	07/24/2017	CIVIL ACTION NO. 1:17-CV-2790-MHC AJB 751 29:2601. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Shyam Dalmia vs. Wipro Limited. Filing fee $ 400, receipt number	

#	Date	Proceeding Text	Source
		113E-7283799. (Attachments: # 1 Exhibit A - May 25, 2016 Email, # 2 Exhibit B - May 26, 2016 Email from Dalmia, # 3 Exhibit C - May 26, 2016 Email Response from Manoharan, # 4 Exhibit D - May 31, 2016 Congratulatory Email, # 5 Exhibit E - June 7, 2016 Email re. FMLA, # 6 Exhibit F - June 7, 2016 Email Response from Manoharan, # 7 Exhibit G - FMLA Paperwork, # 8 Civil Cover Sheet, # 9 Summons as to Wipro Limited)(Berlin, Rachel)(smw). (Entered: 07/24/2017)	
1906	07/24/2017	CIVIL ACTION NO. 1:17-CV-2791-ELR 446 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Blinkhorn, Jessica vs. Takki, Corporation. Filing fee $ 400, receipt number 113E-7283831. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Takki, Corporation, # 3 Summons as to Defendant Quamber Momin)(Ehrlich, Craig)(smw). (Entered: 07/24/2017)	
1907	07/24/2017	CIVIL ACTION NO. 1:17-CV-2792-ELR 410 15:0015. FIFTEEN E-SUMMONS ISSUED. Case Initiating Documents-Complaint Southeast Ready Mix, LLC vs. Argos North America Corp. f/k/a Argos USA Corp.. Filing fee $ 400, receipt number 113E-7283848. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Argos North America Corp. f/k/a Argos USA Corp., # 3 Summons Argos Ready Mix, LLC, # 4 Summons Cemex Materials, LLC, # 5 Summons Cemex Southeast, LLC, # 6 Summons Cemex, Inc., # 7 Summons Coastal Concrete Southeast II LLC, # 8 Summons Elite Concrete Holdings, LLC, # 9 Summons Elite Concrete, LLC, # 10 Summons Elite Concrete of SC, LLC, # 11 Summons Evans Concrete Holdings Inc., # 12 Summons Evans Concrete, LLC, # 13 Summons Holcim (US) Inc., # 14 Summons Thomas Concrete of GA, Inc., # 15 Summons Thomas Concrete of SC, Inc., # 16 Summons Thomas Concrete, Inc.)(Robbins, Richard)(smw). (Entered: 07/24/2017)	
1908	07/25/2017	CIVIL ACTION NO. 1:17-CV-2793-ODE 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Sheila Bennett vs. Variety Wholesalers, Inc. d/b/a Maxway. Filing fee $ 400, receipt number 113E-7284203. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Demand Letter, # 3 Exhibit B - State Court Pleadings)(Lessinger, Howard)(smw). (Entered: 07/25/2017)	
1909	07/25/2017	FILED INCORRECTLY SHOULD BE A CIVIL CASE FILED AS MISCELLANEOUS CASE CONTACTED ATTY JOSEPH FARRELL BY SWB ON 7/25/2017 ABOUT FILING CASE CORRECTLY AND HOW TO FILE FOR A REFUND. Case Initiating Documents-Miscellaneous (Other uncontested ancillary or supplemental proceeding), Mark Bubes vs. United States Small Business Administration. Filing fee $ 47, receipt number 113E-7284743. (Attachments: # 1 Civil Cover Sheet)(Farrell, Joseph)(smw). (Entered: 07/25/2017)	
1910	07/25/2017	CIVIL ACTION NO. 1:17-CV-2796-SCJ CMS 480 15:1681. FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint Shaunta Daniel vs. Experian Information Solutions, Inc.. Filing fee $ 400, receipt number 113E-7284831. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Experian, # 3 Summons Equifax, # 4 Summons Navient, # 5 Summons Trans Union)(Simanovsky, Alexander)(smw). (Entered: 07/25/2017)	
1911	07/25/2017	CIVIL ACTION NO. 1:17-CV-2798-WSD 710 29:0216b. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint CYNTHIA BRADLEY vs. GLOBAL HOTEL GROUP, LLC d/b/a MCDONOUGH HOTEL, LLC, ET AL.. Filing fee $ 400, receipt number 113E-7284815. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Global Hotel Group, LLC, # 3 Summons Parks Hotels	

#	Date	Proceeding Text	Source
		& Resorts)(Lakraj, Adeash) (smw). (Entered: 07/25/2017)	
1912	07/25/2017	CIVIL ACTION NO. 1:17-CV-2799-TCB 110 28:1441in. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Carlton Bateman vs. FCCI Insurance Company. Filing fee $ 400, receipt number 113E-7284885. (Attachments: # 1 Exhibit State Court Pleadings, # 2 Exhibit State Court Notice of Notice of Removal, # 3 Exhibit Civil Coversheet)(Nelson, David)(smw). (Entered: 07/25/2017)	
1913	07/25/2017	CIVIL ACTION NO. 1:17-CV-2800-CAP 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Teresa Jackson vs. Suntrust Bank. Filing fee $ 400, receipt number 113E-7285003. (Attachments: # 1 Summons as to Suntrust Bank, # 2 Civil Cover Sheet, # 3 Exhibit A - call log)(Gomez, Octavio)(smw). (Entered: 07/25/2017)	
1914	07/25/2017	CIVIL ACTION NO. 1:17-CV-2804-ODE JSA 442 42:2000ot. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Tarus Young vs. General Motors. Filing fee $ 400, receipt number 113E-7285150. (Attachments: # 1 Exhibit 1, lower court process pleadings, # 2 Exhibit 2, Notice of Right to Sue, # 3 Exhibit 3, Notice of Charge of Discrimination, # 4 Civil Cover Sheet, # 5 Answer to Plaintiff's Complaint)(Meyers, John) (smw). (Entered: 07/25/2017)	
1915	07/25/2017	CIVIL ACTION NO. 1:17-CV-2805-TWT 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint TAMI HUFF vs. CREDIT ONE BANK, N.A.. Filing fee $ 400, receipt number 113E-7285305. (Attachments: # 1 Exhibit A. Call Log, # 2 Civil Cover Sheet, # 3 Summons)(Gomez, Octavio) (smw). (Entered: 07/25/2017)	
1916	07/25/2017	CIVIL ACTION NO. 1:17-CV-2806-WSD 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Glenda Williamson vs. Publix Super Markets, Inc.. Filing fee $ 400, receipt number 113E-7285800. (Attachments: # 1 Exhibit Summons and Complaint, # 2 Exhibit Plaintiff's ROGS & RPDS to Defendants, # 3 Exhibit Answer of Publix Super Markets, Inc., # 4 Exhibit Demand for Twelve-Person Jury, # 5 Exhibit Rule 5.2 Certificate of Service, # 6 Civil Cover Sheet Civil Cover Sheet)(Major, Gene)(smw). (Entered: 07/25/2017)	
1917	07/25/2017	CIVIL ACTION NO. 1:17-CV-2807-TCB JKL 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Gregory Allen Phillips vs. Equifax Information Services, LLC and Nationstar Mortgage, LLC. Filing fee $ 400, receipt number 113E-7286053. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew)(smw). (Entered: 07/25/2017)	
1918	07/25/2017	CIVIL ACTION NO. 1:17-CV-2809-MHC 710 29:0216b. FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint CARILETTA SMITH JONES vs. GOOSEBUMPS, INC.. Filing fee $ 400, receipt number 113E-7286265. (Attachments: # 1 Civil Cover Sheet, # 2 Summons to Goosebumps, # 3 Summons to Bruce Dobbs, # 4 Summons to George Kelly, # 5 Summons to Mark Stephens, Sr.)(Bridgers, Charles)(smw). (Entered: 07/25/2017)	
1919	07/25/2017	CIVIL ACTION NO. 1:17-CV-2810-CAP 355 28:1332mv. ONE E-Summons ISSUED. Case Initiating Documents-Complaint Dearo Grimmage vs. Ford Motor Company. Filing fee $ 400, receipt number 113E-7286319. (Attachments: # 1 Summons, # 2 Civil Cover Sheet, # 3 Notice of Lawsuit and Req to Waive Service)(Carter, James)(smw). (Entered: 07/25/2017)	
1920	07/25/2017	CIVIL ACTION NO. 1:17-CV-2811-TWT 899 05:0701. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Mark	

#	Date	Proceeding Text	Source
		Bubes vs. United States Small Business Administration. Filing fee $ 400, receipt number 113E-7286358. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Farrell, Joseph) (smw). (Entered: 07/25/2017)	
1921	07/25/2017	CIVIL ACTION NO. 1:17-CV-2812-CAP JCF 442 29:0626. ONE SUMMONS ISSUED. Case Initiating Documents-Complaint ALLISON D. THOMAS vs. SHEPHERD CENTER, INC.. Filing fee $ 400, receipt number 113E-7286499. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Bullock, Fateen)(smw). (Entered: 07/25/2017)	
1922	07/25/2017	CIVIL ACTION NO. 1:17-CV-2813-WSD 440 42:1983cv. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Stacey Adams vs. Sentinel Offender Services, LLC. Filing fee $ 400, receipt number 113E-7286507. (Attachments: # 1 Exhibit A: Sentinel Financial Reports, # 2 Exhibit B: Sentinel Atlanta Contract, # 3 Exhibit C: Request to Restructure Contract, # 4 Exhibit D: Case File - Adams, # 5 Exhibit E: Case File - Saint Vil - 1 of 3, # 6 Exhibit F: Case File - Saint Vil - 2 of 3, # 7 Exhibit G: Case File - Saint Vil - 3 of 3, # 8 Exhibit H: DCS Compliance Review Report, # 9 Exhibit I: Request for New Standing Order, # 10 Exhibit J: Notice Declining Contract Extension, # 11 Exhibit K: Queen to DCS - Audit Response - Oct 12, 2016, # 12 Exhibit L: Queen to DCS - Audit Response - Jan 19, 2017, # 13 Exhibit M: JCS Reply to Records Request, # 14 Exhibit N: Court Payment Records - Saint Vil, # 15 Civil Cover Sheet for Adams v. Sentinel, # 16 Summons for Contestabile, # 17 Summons for Lewis, # 18 Summons for Queen, # 19 Summons for Sentinel Offender Services, LLC)(Freidlin, Akiva)SUMMONS FOR MARK CONTESTABILE WILL NOT BE E-ISSUED BECAUSE HIS NAME IS NOT ON THE COMPLAINT ATTY AKIVA FREIDLIN NOTIFIED TO SUMMIT SUMMONS ONCE CASE IS OPEN(smw). (Entered: 07/25/2017)	
1923	07/26/2017	CIVIL ACTION NO. 1:17-CV-2814-WSD CMS 442 42:1981ra. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Eddie Smalls vs. Arising Industries, Inc.. Filing fee $ 400, receipt number 113E-7286561. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Lakraj, Adeash)SUMMONS NOT E-ISSUED CASE IS FILED IN THE WRONG DISTRICT (smw). (Entered: 07/26/2017)	
1924	07/26/2017	CIVIL ACTION NO. 1:17-CV-2816-AT 355 28:1441ml. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Lionel Garcon vs. Infinity and Nissan North America. Filing fee $ 400, receipt number 113E-7286642. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Civil Cover Sheet Civil Cover Sheet)(Johnson, Myrece) (smw). (Entered: 07/26/2017)	
1925	07/26/2017	CIVIL ACTION NO. 1:17-CV-2819-TCB 446 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Holt, Dakota vs. Gaoli, Inc.. Filing fee $ 400, receipt number 113E-7287772. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Gaoli, Inc., # 3 Summons as to Defendant Jodaco, Inc.)(Ehrlich, Craig)(smw). (Entered: 07/26/2017)	
1926	07/26/2017	CIVIL ACTION NO. 1:17-CV-2820-LMM 440 42:1983cv. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jeremy Skipper vs. Matt Holbrook. Filing fee $ 400, receipt number 113E-7286766. (Attachments: # 1 Civil Cover Sheet)(Cheng, David)(smw). (Entered: 07/26/2017)	
1927	07/26/2017	CIVIL ACTION NO. 1:17-CV-2821-MHC 710 29:0216b. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Charmayne Brown vs. American Moving & Storage, LLC. Filing fee $ 400, receipt number 113E-7287942. (Attachments: # 1 Civil	

#	Date	Proceeding Text	Source
		Cover Sheet)(Cheng, David)(smw). (Entered: 07/26/2017)	
1928	07/26/2017	CIVIL ACTION NO. 1:17-CV-2822-ELR 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Michael Thomas Appling vs. Ashley Furniture Industries, Inc.. Filing fee $ 400, receipt number 113E-7288005. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet, # 3 Exhibit Corporate Disclosure, # 4 Exhibit Certification, # 5 Exhibit Answer)(Boyd, Sean)(smw). (Entered: 07/26/2017)	
1929	07/26/2017	CIVIL ACTION NO. 1:17-CV-2823-ODE 110 28:2201in. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Accident Insurance Company, Inc. vs. Roxana Itzel Rodela Roman. Filing fee $400, receipt number 113E-7288101. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B, # 3 Exhibit Exhibit C, # 4 Exhibit Exhibit D, # 5 Exhibit Exhibit E, # 6 Civil Cover Sheet Civil Cover Sheet, # 7 Certificate of Int Persons)(Satterfield, Darrell)(smw). (Entered: 07/26/2017)	
1930	07/26/2017	CIVIL ACTION NO. 1:17-cv-2824-AT CMS 480 15:1681. Case Initiating Documents-Complaint Walter Banks vs. Equifax Information Services, LLC and Seterus, Inc.,. Filing fee $ 400, receipt number 113E-7288992. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) No e-summons issued.(akr). (Entered: 07/26/2017)	
1931	07/26/2017	CIVIL ACTION NO. 1:17-cv-2825-AT JKL 442 42:2000ot. Case Initiating Documents-Complaint Michael Evans vs. City of Powder Springs, Georgia. Filing fee $ 400, receipt number 113E-7288986. (Attachments: # 1 Civil Cover Sheet, # 2 Summons City of Powder Springs, # 3 Summons Chief Charlie Sewell)(Gardner, Jerilyn) Two (2) e-summons issued. (akr). (Entered: 07/26/2017)	
1932	07/26/2017	CIVIL ACTION NO. 1:17-cv-2826-SCJ AJB 480 15:1681. Case Initiating Documents-Complaint Trina V. Collins vs. Equifax Information Services, LLC,. Filing fee $ 400, receipt number 113E-7289016. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) No e-summons issued. (akr). (Entered: 07/26/2017)	
1933	07/26/2017	CIVIL ACTION NO. 1:17-cv-2827-LMM 110 28:1332in. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint United Restoration and Preservation, Inc. vs. Maxum Indemnity Company. Filing fee $ 400, receipt number 113E-7289040. (Attachments: # 1 Exhibit A Part 1 of 3: 2014-2015 Policies, # 2 Exhibit A Part 2 of 3: 2015-2016 Policies, # 3 Exhibit A Part 3 of 3: 2016-2017 Policies, # 4 Exhibit B: Answer and Counterclaim of Defendants AmericasMart and AMC, # 5 Exhibit C: Second Amended Counterclaim, # 6 Exhibit D: January 17, 2017 letter, # 7 Exhibit E: January 30, 2017 letter, # 8 Exhibit F: March 28, 2017 letter, # 9 Exhibit G: March 29, 2017 letter, # 10 Exhibit H: May 24, 2017 letter, # 11 Exhibit I: June 09, 2017 email, # 12 Exhibit J: June 13, 2017 letter, # 13 Exhibit K: June 14, 2017 letter, # 14 Civil Cover Sheet, # 15 Summons)(Johnson, Jill) (akr). (Entered: 07/26/2017)	
1934	07/26/2017	CIVIL ACTION NO. 1:17-cv-2827-LMM. SUBMISSION of additional attachments re: 1933 Case Initiating Documents-Complaint. (Johnson, Jill) (akr). (Entered: 07/26/2017)	
1935	07/26/2017	CIVIL ACTION NO. 1:17-cv-2828-MHC 470 18:1961. FOUR (4) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Rosalba Cisneros vs. Petland, Inc.. Filing fee $ 400, receipt number 113E-7289095. (Attachments: # 1 Exhibit A to Complaint, # 2 Exhibit B to Complaint, # 3 Civil Cover Sheet, # 4 Summons to Petland, Inc., # 5 Summons to BKG Pets, Inc., # 6 Summons to Pets BKG LLC, # 7 Summons to PAWSitive Solutions, Inc., # 8 Certificate of Interested Persons and Corporate Disclosure	

#	Date	Proceeding Text	Source
		Statement)(Fistel, Michael) (akr). (Entered: 07/26/2017)	
1936	07/26/2017	CIVIL ACTION NO. 1:17-cv-2829-ELR WEJ 290 28:1332fc. Case Initiating Documents-Complaint DEUTSCHE BANK NATIONAL TRUST CO. vs. EPIFANO FLORES. Filing fee $ 400, receipt number 113E-7289154. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Flores, # 3 Summons Ponce, # 4 Summons United States)(Wersant, Paul) Three (3) e-summons issued. (akr). (Entered: 07/26/2017)	
1937	07/26/2017	CIVIL ACTION NO. 1:17-cv-2830-CAP RGV 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Fred Tolbert vs. Equifax Information Services, LLC. Filing fee $ 400, receipt number 113E-7289213. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (akr). (Entered: 07/26/2017)	
1938	07/27/2017	CIVIL ACTION NO. 1:17-cv-2831-WSD JSA 863 42:0405wc. E-SUMMONS NOT ISSUED; SUMMONS WILL BE E-ISSUED BY DKT CLERK UPON IFP APPROVAL. Case Initiating Documents-Complaint JOSEPH LEE PITTS vs. NANCY A. BERRYHILL, Acting Comm'r of Social Security. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Motion to file IFP, # 3 IFP Application, # 4 Summons Defendant c/o OGC, # 5 Summons US Atty, # 6 Summons Atty Gen)(Hogan, John) (akr). (Entered: 07/27/2017)	
1939	07/27/2017	CIVIL ACTION NO. 1:17-cv-2832-SCJ JSA 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sheronda Willis vs. Equifax Information Services, LLC and Nationstar Mortgage, LLC. Filing fee $ 400, receipt number 113E-7289658. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) (akr). . (Entered: 07/27/2017)	
1940	07/27/2017	CIVIL ACTION NO. 1:17-cv-2833-SCJ JFK 442 42:2000ra. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Charlene Walker vs. ROHM Group, LLC. Filing fee $ 400, receipt number 113E-7289945. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Molden-Clowney, Regina) (akr). (Entered: 07/27/2017)	
1941	07/27/2017	CIVIL ACTION NO. 1:17-cv-2834-LMM 110 28:2201in. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Philadelphia Indemnity Insurance Company vs. Endurance American Specialty Insurance Company. Filing fee $ 400, receipt number 113E-7290202. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Summons, # 5 Civil Cover Sheet)(Savani, Junaid) (akr). (Entered: 07/27/2017)	
1942	07/27/2017	CIVIL ACTION NO. 1:17-cv-2835-MHC 190 28:1332bc. SIX (6) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Developers Surety and Indemnity Company vs. TIEDE-ZOELLER, INC.. Filing fee $ 400, receipt number 113E-7290093. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Summons, # 8 Supplement Certificate of Interested Persons)(Alexander, John) (akr). (Entered: 07/27/2017)	
1943	07/27/2017	CIVIL ACTION NO. 1:17-cv-2836-ELR 190 28:1332bc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint North American Specialty Insurance Company vs. Carter Brothers Security Services, LLC. Filing fee $ 400, receipt number 113E-7290358. (Attachments: # 1 Civil Cover Sheet, # 2 Supplement Certificate of Interested Persons)(Alexander, John) (akr). (Entered: 07/27/2017)	
1944	07/27/2017	CIVIL ACTION NO. 1:17-cv-2837-LMM 446 42:12101. Two (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Waters, Allison vs. Panda Express, Inc.. Filing fee $ 400, receipt number 113E-7290467. (Attachments: # 1 Civil Cover Sheet, # 2	

#	Date	Proceeding Text	Source
		Summons as to Defendant Panda Express, Inc., # 3 Summons as to Defendant CFT NV Developments, LLC)(Ehrlich, Craig) (akr). (Entered: 07/27/2017)	
1945	07/27/2017	CIVIL ACTION NO. 1:17-cv-2838-ODE 625 21:0881. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint United States Of America vs. $28,000.00 In United States Currency. No payment received. (Attachments: # 1 Civil Cover Sheet)(Brown, Michael) (akr). (Entered: 07/27/2017)	
1946	07/27/2017	CIVIL ACTION NO. 1:17-cv-2839-CAP CMS 863 42:0405ww. E-SUMMONS NOT ISSUED; SUMMONS WILL BE E-ISSUED BY DKT CLERK UPON IFP APPROVAL. Case Initiating Documents-Complaint Charletta Jeffery vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) (akr). (Entered: 07/27/2017)	
1947	07/27/2017	CIVIL ACTION NO. 1:17-cv-2840-TWT JKL 863 42:0405wc. E-SUMMONS NOT ISSUED; SUMMONS WILL BE E-ISSUED BY DKT CLERK UPON IFP APPROVAL. Case Initiating Documents-Complaint Jeri Matthews vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) (akr). (Entered: 07/27/2017)	
1948	07/27/2017	CIVIL ACTION NO. 1:17-CV-2841-ELR 830 28:1338pt. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint RUBBERMAID COMMERCIAL PRODUCTS, LLC vs. SUNCAST CORP.. Filing fee $ 400, receipt number 113E-7290680. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Harbin, John) (akr). (Entered: 07/27/2017)	
1949	07/27/2017	CIVIL ACTION NO. 1:17-cv-2842-WSD 190 28:1332bc. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Steven A. Eisenberg vs. Bank Financial Services Group. Filing fee $ 400, receipt number 113E-7290766. (Attachments: # 1 Summons Summons, # 2 Civil Cover Sheet Civil Cover Sheet)(Wigington, Cody) (akr). (Entered: 07/27/2017)	
1950	07/27/2017	CIVIL ACTION NO. 1:17-CV-2843-AT 710 29:0216b. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint RANDELL CRAWFORD vs. THOMAS CONCRETE OF GEORGIA, INC.. Filing fee $ 400, receipt number 113E-7291421. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Roberts, Victor)(smw). (Entered: 07/27/2017)	
1951	07/27/2017	CIVIL ACTION NO. 1:17-CV-2844-MHC JFK 864 42:0405id. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Patricia Holifield vs. Nancy A. Berryhill. Filing fee $ 400, receipt number 113E-7291387. (Attachments: # 1 Exhibit Exhibit A - Appeals Council Letter, # 2 Civil Cover Sheet, # 3 Summons Attorney General, # 4 Summons Social Security Administration, # 5 Summons U.S. Attorney)(Budde, Francis)(smw). (Entered: 07/27/2017)	
1952	07/27/2017	CIVIL ACTION NO. 1:17-CV-2845-ODE CMS 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Varnell Respress vs. Equifax Information Services, LLC and DiTech Financial, LLC. Filing fee $ 400, receipt number 113E-7291479. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) (smw). (Entered: 07/27/2017)	
1953	07/27/2017	TRO - IMMEDIATE HEARING REQUESTED CIVIL ACTION NO. 1:17-CV-2846-WSD 840 15:1125a. FOUR E-SUMMONS	

#	Date	Proceeding Text	Source
		ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7291343. (Attachments: # 1 Summons Summons (ADG), # 2 Summons Summons (Atlanta Design Group, Inc.), # 3 Summons Summons (Chandra Cherry), # 4 Summons Summons (Mark Darnell), # 5 Civil Cover Sheet Civil Cover Sheet)(Stewart, Lynn)(smw). (Entered: 07/27/2017)	
1954	07/27/2017	CIVIL ACTION NO. 1:17-CV-2847-ODE LTW 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Louis Joseph III vs. NANCY BERRYHILL ACTING COMMISSIONER OF OF THE SOCIAL SECURITY ADMINISTRATION. No payment received. (Attachments: # 1 Exhibit Verification to Complaint, # 2 Exhibit Exhibit 1 Complaint 1696, # 3 Exhibit Exhibit 2 to Complaint Fee Agreement, # 4 Exhibit Exhibit 3 to Complaint EAJA Assignment, # 5 Motion to proceed IFP and Proposed Order, # 6 Affidavit IFP NDGA Long Form, # 7 Affidavit IFP, # 8 Civil Cover Sheet, # 9 Summons US ATTY NDGA, # 10 Summons SSA Gen Counsel, # 11 Summons Regional Chief Counsel Region IV, # 12 Summons US ATTY General)(Atkins, Pamela)SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPOROVAL(smw). (Entered: 07/27/2017)	
1955	07/28/2017	CIVIL ACTION NO. 1:17-CV-2848-ODE 462 08:1446. SIX E-SUMMONS ISSUED. Case Initiating Documents-Complaint Issa Nino vs. Jeff Sessions. Filing fee $ 400, receipt number 113E-7291645. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit, # 3 Exhibit, # 4 Exhibit, # 5 Exhibit, # 6 Exhibit, # 7 Exhibit, # 8 Exhibit, # 9 Exhibit, # 10 Exhibit, # 11 Exhibit, # 12 Exhibit, # 13 Summons, # 14 Summons, # 15 Summons, # 16 Summons, # 17 Summons, # 18 Summons)(Claffey, Danielle)(smw). (Entered: 07/28/2017)	
1956	07/28/2017	CIVIL ACTION NO. 1:17-CV-2853-CC 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Mildred McCray vs. United States Postal Service. No payment received. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Johnson, Tiffany)(smw). (Entered: 07/28/2017)	
1957	07/28/2017	CIVIL CASE NO. 1:17-CV-2855-SCJ AJB 863 42:0405wc. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint LINDA JUDY WILSON vs. NANCY A. BERRYHILL, Acting Comm'r of Social Security. Filing fee $ 400, receipt number 113E-7292688. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Defendant, # 3 Summons US Atty, # 4 Summons Atty Gen)(Hogan, John) (smw). (Entered: 07/28/2017)	
1958	07/28/2017	CIVIL ACTION NO. 1:17-CV-2858-CAP 110 28:1335. TWELVE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Maxum Indemnity Company vs. Larshell Curley. Filing fee $ 400, receipt number 113E-7292786. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Civil Cover Sheet, # 8 Summons Larshell Curley, # 9 Summons Rodney McCrae, # 10 Summons Estate of Ebony McCrae-Curley, # 11 Summons Cedrick Cooks, # 12 Summons Patrick Partain, # 13 Summons Lafayette Galbreath, # 14 Summons Eric Murphy, # 15 Summons David Shula, # 16 Summons Ashley Pitts-Williams, # 17 Summons Shawn Williams, # 18 Summons Grady Hospital, # 19 Summons AICA Ortho Spine)(Loomis, Kenan)(smw). (Entered: 07/28/2017)	
1959	07/28/2017	CIVIL ACTION NO. 1:17-CV-2859-TCB JFK 480 15:1681. FIVE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Shanika McGrone vs. Equifax Information Services LLC. Filing fee $ 400, receipt number 113E-7293079. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Equifax Information Services LLC, # 3	

#	Date	Proceeding Text	Source
		Summons Experian Information Solutions, Inc., # 4 Summons Trans Union LLC, # 5 Summons Innovis Data Solutions, Inc., # 6 Summons Early Warning Services, LLC)(Sand, Jeffrey)(smw). (Entered: 07/28/2017)	
1960	07/28/2017	CIVIL ACTION NO. 1:17-CV-2860-LMM 190 28:1332bc. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Balch & Bingham LLP vs. Specialized Loan Servicing, LLC. Filing fee $ 400, receipt number 113E-7293182. (Attachments: # 1 Exhibit A (Engagement Agreement), # 2 Exhibit B (SLS Motion for Attorneys' Fees and Costs), # 3 Civil Cover Sheet, # 4 Certificate of Interested Parties, # 5 Summons)(Anulewicz, Christopher)(smw). (Entered: 07/28/2017)	
1961	07/28/2017	CIVIL ACTION NO. 1:17-CV-2860-LMM . SUBMISSION of additional attachments re: 1960 Case Initiating Documents-Complaint,. (Anulewicz, Christopher) (smw). (Entered: 07/28/2017)	
1962	07/28/2017	CIVIL ACTION NO. 1:17-CV-2861-MHC LTW 442 42:1981ra. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Latoya Riley vs. CSX Transportation, Inc.. Filing fee $ 400, receipt number 113E-7293391. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Keegan, Marcus)(smw). (Entered: 07/28/2017)	
1963	07/28/2017	CIVIL ACTION NO. 1:17-CV-2862-AT LTW 480 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Jerome Lorence Fortune vs. Shapiro Pendergast & Hasty, LLP. Filing fee $ 400, receipt number 113E-7293445. (Attachments: # 1 Exhibit A - Summons and Complaint, # 2 Civil Cover Sheet)(Griffin, Denise)(smw). (Entered: 07/28/2017)	
1964	07/28/2017	CIVIL ACTION NO. 1:17-CV-2863-SCJ 360 28:1332pi. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Harlem Lloyd McLennon vs. HV Diagnostics, Inc.. Filing fee $ 400, receipt number 113E-7293896. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Howard, James)(smw). (Entered: 07/28/2017)	
1965	07/28/2017	CIVIL ACTION 1:17-CV-2864-LMM 820 17:0512. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Philips Medical Systems Nederland B.V. vs. TEC Holdings, Inc.. Filing fee $ 400, receipt number 113E-7294162. (Attachments: # 1 Exhibit A- Certificates of Registration, # 2 Summons, # 3 Civil Cover Sheet)(Cornwell, Dorothy)(smw). (Entered: 07/28/2017)	
1966	07/28/2017	CIVIL ACTION NO. 1:17-CV-2866-ELR AJB 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Wilma Canady Byrd vs. Equifax Information Services, Inc.; Experian Information Solutions, LLC; JPMorgan Chase Bank; and Ocwen Loan Servicing, LLC,. Filing fee $ 400, receipt number 113E-7294207. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam) (smw). (Entered: 07/28/2017)	
1967	07/28/2017	CIVIL ACTION NO. 1:17-CV-2867-ODE RGV 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint David John Macko vs. Equifax Information Services, LLC; Experian Information Solutions, Inc.; and Ocwen Loan Servicing, LLC. Filing fee $ 400, receipt number 113E-7294208. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam)(smw). (Entered: 07/28/2017)	
1968	07/28/2017	CIVIL ACTION NO. 1:17-CV-2868-CAP JCF 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Michelle Lynn Raulerson vs. Equifax Information Services, LLC and Online Information Services, Inc.,. Filing fee $ 400, receipt number 113E-7294209. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam)(smw). (Entered: 07/28/2017)	

#	Date	Proceeding Text	Source
1969	07/28/2017	CIVIL ACTION NO. 1:17-CV-2869-TWT JSA 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Louis Joseph III vs. NANCY BERRYHILL ACTING COMMISSIONER OF OF THE SOCIAL SECURITY ADMINISTRATION. No payment received. (Attachments: # 1 Exhibit Ex 1 1696, # 2 Exhibit Ex 2 Fee Agmt, # 3 Exhibit Ex 3 EAJA Assignment, # 4 Verification of Complaint, # 5 Civil Cover Sheet, # 6 Summons Office of Regional Counsel, # 7 Summons General Counsel, # 8 Summons AUSA, # 9 Summons US ATTY General, # 10 Motion for IFP and Order, # 11 Exhibit Affidavit IFP, # 12 Exhibit Affidavit IFP NDGA)(Atkins, Pamela)SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 07/28/2017)	
1970	07/29/2017	CIVIL ACTION NO. 1:17-CV-2870-WSD CMS 480 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint RICKEY NORWOOD vs. NORTHSTAR LOCATION SERVICES, LLC. Filing fee $ 400, receipt number 113E-7294261. (Attachments: # 1 Summons Summons, # 2 Civil Cover Sheet Civil Cover, # 3 Supplement Cert of Interested Persons, # 4 Exhibit Ex. 1, # 5 Exhibit Ex. 2, # 6 Exhibit Ex. 3, # 7 Exhibit Ex. 4, # 8 Exhibit Ex. 5)(Prado, David)SUMMONS WILL NOT BE E-ISSUED DUE TO INCORRECT NAME ON THE SUMMONS ATTY DAVID PRADO CONTACTED ON 7/31/2017 BY SWB TO ISSUE THE CORRECT SUMMONS ONCE CASE IS OPEN(smw). (Entered: 07/29/2017)	
1971	07/29/2017	CIVIL ACTION NO. 1:17-CV-2871-TCB 190 28:1332bc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint AutoQuote Builder LLC vs. Autotrader.com, Inc.. Filing fee $ 400, receipt number 113E-7294265. (Attachments: # 1 Exhibit Exhibit A to Complaint, # 2 Summons Summons, # 3 Civil Cover Sheet Civil Cover Sheet)(Lockett, Demetrius) SUMMONS WILL NOT BE E-ISSUED DUE TO MORE THAN ONE DEFENDANT NAME AND ADDRESS ON THE SUMMONS ATTY LOCKETT CONTACTED TO ISSUE THE SUMMONS ONCE THE CASE IS OPEN(smw). (Entered: 07/29/2017)	
1972	07/31/2017	CIVIL ACTION NO. 1:17-CV-2873-RWS 850 15:0077. SIX E-SUMMONS ISSUED. Case Initiating Documents-Complaint Securities and Exchange Commission vs. Keystone Capital Partners, Inc.. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Keystone Capital Partners, Inc. d/ba/ Federal Employee Benefit Counselors, # 3 Summons Keystone Capital Partners, Inc. - registered agent, # 4 Summons Christopher S. Laws, # 5 Summons Jonathan Dax Cooke, # 6 Summons Danny S. Hood, # 7 Summons Brandon P. Long)(Loomis, Madison)(smw). (Entered: 07/31/2017)	
1973	07/31/2017	CIVIL ACTION NO. 1:17-CV-2878-ODE 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Jacob Ohl vs. CSX Transportation, Inc.. Filing fee $ 400, receipt number 113E-7295636. (Attachments: # 1 Exhibit A to Notice, # 2 Errata B to Notice, # 3 Civil Cover Sheet, # 4 Corporate Disclosure Statement)(Clarida, Daryl)(smw). (Entered: 07/31/2017)	
1974	07/31/2017	CIVIL ACTION NO. 1:17-cv-2885-LMM 470 18:1964. Case Initiating Documents-Complaint Ravi Zacharias vs. Bradley Thompson. Filing fee $ 400, receipt number 113E-7296746. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons, # 4 Appendix certificate of interested persons)(Boorman, Michael) Two (2) e-summons issued. (akr). (Entered: 07/31/2017)	
1975	07/31/2017	CIVIL ACTION NO. 1:17-cv-2886-MHC 190 28:1332bc. Case	

#	Date	Proceeding Text	Source
		Initiating Documents-Complaint WestRock Converting Company, f/k/a Rock-Tenn Converting Company vs. ImanPack Packaging & Eco Solutions, S.p.A.. Filing fee $ 400, receipt number 113E-7296836. (Attachments: # 1 Exhibit Agreement, # 2 Summons Summons, # 3 Civil Cover Sheet Civil Cover Sheet)(Sullivan, John) One (1) e-summons issued. (akr). (Entered: 07/31/2017)	
1976	07/31/2017	CIVIL ACTION NO. 1:17-cv-2887-ELR AJB 442 42:1981ra. Case Initiating Documents-Complaint Phyllis Moreland-Richardson vs. City of Snellville, Georgia. Filing fee $ 400, receipt number 113E-7296919. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Daniels, Harry) One (1) e-summons issued.(akr). (Entered: 07/31/2017)	
1977	07/31/2017	CIVIL ACTION NO. 1:17-cv-2888-CAP 440 42:1983cv. Case Initiating Documents-Complaint Jerome Leverette vs. The City of Forest Park, Georgia. Filing fee $ 400, receipt number 113E-7297061. (Attachments: # 1 Summons Leverette vs Forest Park et al SUMMONS, # 2 Civil Cover Sheet Civl Cover Sheet)(Hendricks, Louie) E-summons not issued; all parties named on one summons; Atty. Hendricks contacted on 8/1/17 by akr and directed to resubmit summons in case assigned. (akr). (Entered: 07/31/2017)	
1978	08/01/2017	CIVIL ACTION NO. 1:17-cv-2889-CC WEJ 442 42:2000rl. Case Initiating Documents-Complaint Kimberly Quinnie vs. Knight Transportation, Inc.. Filing fee $ 400, receipt number 113E-7297291. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Farahany, Amanda) One (1) e-summons issued. (akr). (Entered: 08/01/2017)	
1979	08/01/2017	CIVIL ACTION NO. 1:17-cv-2890-TWT 385 28:1332pdl. Case Initiating Documents-Complaint Peoples vs. Taishan Gypsum Co.. Filing fee $ 400, receipt number 113E-7298052. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Hirsch, Andrea) No e-summons issued. (akr). (Entered: 08/01/2017)	
1980	08/01/2017	CIVIL ACTION NO. 1:17-cv-2891-WSD 870 26:7401. Case Initiating Documents-Complaint United States of America vs. Larry Miller. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Whitcomb, Christopher) One (1) e-summons issued. (akr). (Entered: 08/01/2017)	
1981	08/01/2017	CIVIL ACTION NO. 1:17-cv-2892-AT 385 28:1332pdl. Case Initiating Documents-Complaint Bentz vs. Taishan Gypsum Co.. Filing fee $ 400, receipt number 113E-7298134. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Hirsch, Andrea) No e-summons issued. (akr). (Entered: 08/01/2017)	
1982	08/01/2017	CIVIL ACTION NO. 1:17-CV-2893-LMM 710 29:0216b. Case Initiating Documents-Complaint Darryl Booker vs. INTERACTIVE LEARNING SYSTEMS, INC.. Filing fee $ 400, receipt number 113E-7298701. (Attachments: # 1 Summons ICT, # 2 Summons Smith, # 3 Civil Cover Sheet)(Mattress, Tremain) Two (2) e-summons issued. (akr). (Entered: 08/01/2017)	
1983	08/01/2017	CIVIL ACTION NO. 1:17-cv-2894-MHC 360 28:1441bc. Case Initiating Documents-Notice of Removal, Jessica Merideth vs. Goodwynn Multifamily, LLC. Filing fee $ 400, receipt number 113E-7298608. (Attachments: # 1 Exhibit Complaint and Summons, # 2 Exhibit Discovery Served Upon Defendant, # 3 Exhibit Pleadings and Discovery from Initial Case, # 4 Exhibit Secretary of State Information of Defendant, # 5 Exhibit Notice of Filing Notice of Removal;, # 6 Exhibit Declaration of Harry Lim, # 7 Civil Cover Sheet Civil cover sheet)(Potter, Donovan) No e-summons issued. (akr). (Entered: 08/01/2017)	
1984	08/01/2017	CIVIL ACTION NO. 1:17-cv-2895-ELR 350 28:2671. Case	

#	Date	Proceeding Text	Source
		Initiating Documents-Complaint George Balmer vs. United States Department of Agriculture. Filing fee $ 400, receipt number 113E-7298888. (Attachments: # 1 Summons, # 2 Civil Cover Sheet, # 3 Certification of Interested Persons and Corporate Disclosure Statement)(Crowson, Richard) One (1) e-summons issued. (akr). (Entered: 08/01/2017)	
1985	08/01/2017	CIVIL ACTION NO. 1:17-CV-2898-CAP JSA 442 42:2000sx. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Ethenia King vs. Al Wiggins. Filing fee $ 400, receipt number 113E-7299773. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit All Pleadings Served Upon Defendant)(Kitchens, Joyce)(smw). (Entered: 08/01/2017)	
1986	08/01/2017	CIVIL ACTION NO. 1:17-CV-2899-TWT 190 28:1332bc. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Printpack, Inc. vs. Trilliant Food and Nutrition, LLC. Filing fee $ 400, receipt number 113E-7299886. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Civil Cover Sheet, # 7 Summons)(Kurtz,Ryan) (smw). (Entered: 08/01/2017)	
1987	08/02/2017	CIVIL ACTION NO. 1:17-CV-2901-WSD JCF 480 15:1681. FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint Al Savage vs. Washington Mutual AKA Chase. Filing fee $ 400, receipt number 113E-7299963. (Attachments: # 1 Civil Cover Sheet Cover Sheet, # 2 Summons Summons, # 3 Summons Summons, # 4 Summons Summons, # 5 Summons Summons)(McClelland, Joseph)(smw). (Entered: 08/02/2017)	
1988	08/02/2017	CIVIL ACTION NO. 1:17-CV-2902-SCJ 710 29:0216b. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Paris Sinkfield vs. The North Highland Company, LLC. Filing fee $ 400, receipt number 113E-7300071. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to The North Highland Company, LLC)(Leach, Carlos)(smw). (Entered: 08/02/2017)	
1989	08/02/2017	CIVIL ACTION NO. 1:17-CV-2904-TWT CMS 442 42:2000sx. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint EQUAL EMPLOYMENT OPPORTUNITY COMMISSION vs. EAGLE PARKING, LLC. No payment received. (Attachments: # 1 Civil Cover Sheet)(Edwards, Ottrell)(smw). (Entered: 08/02/2017)	
1990	08/02/2017	CIVIL ACTION NO. 1:17-CV-2905-ELR 110 28:2201in. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Owners Insurance Company vs. Rodney Wright, Jr.. Filing fee $ 400, receipt number 113E-7300754. (Attachments: # 1 Exhibit A - Underlying Complaint, # 2 Exhibit B - Affidavit of Service for Con South, # 3 Exhibit C - Motion for Entry of Default, # 4 Exhibit D - Owners Ins. Co Policy, # 5 Exhibit E - Reservation of Rights, # 6 Civil Cover Sheet, # 7 Summons Rodney Wright, Jr., # 8 Summons Con South, # 9 Supplement Owners Ins. Co's Certificate of Interested Persons and Corporate Disclosure Statement)(Kendall, Michael)(smw). (Entered: 08/02/2017)	
1991	08/02/2017	CIVIL ACTION NO. 1:17-CV-2906-CAP 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Hormozdi Law Firm, LLC vs. GLAZER-KENNEDY INSIDERS CIRCLE, LLC d/b/a GKIC. Filing fee $ 400, receipt number 113E-7300884. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Clapp, Charles)(smw). (Entered: 08/02/2017)	
1992	08/02/2017	CIVIL ACTION NO. 1:17-CV-2907-CC 462 08:1446. FIVE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Victorine Nguettia vs. Jeff Sessions. Filing fee $ 400, receipt number 113E-7300871. (Attachments: # 1 Exhibit Ex. A - Order of the Immigration Judge dated February 9, 2004, # 2 Exhibit Ex B -	

#	Date	Proceeding Text	Source
		Copy of the Plaintiffs Interview Notice dated July 30, 2007, # 3 Exhibit Ex C - USCIS Status Inquiry Update dated June 26, 2008, # 4 Exhibit Ex D - Copies of a selection of the Plaintiffs work authorization cards from 1994 through 2016, and receipt for pending renewal application, # 5 Civil Cover Sheet Civil Cover Sheet, # 6 Summons Summons of Defendant Duke, # 7 Summons Summons of Defendant Frazier, # 8 Summons Summons of Defendant McCament, # 9 Summons Summons of Defendant Neufeld, # 10 Summons Summons of Defendant Sessions, # 11 Appearance of Counsel)(Chea, Socheat)(smw). (aar). (Entered: 08/02/2017)	
1993	08/02/2017	CIVIL ACTION NO. 1:17-CV-2908-WSD 440 42:1983cv. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Lori Sene Sorrow vs. City of Atlanta. Filing fee $ 400, receipt number 113E-7300913. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Ross, Kevin)(smw). (Entered: 08/02/2017)	
1994	08/02/2017	CIVIL ACTION NO. 1:17-CV-2909-SCJ 110 28:2201in. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Owners Insurance Company vs. Ronald Elrod. Filing fee $ 400, receipt number 113E-7301245. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Exhibit G, # 8 Exhibit H, # 9 Exhibit I, # 10 Exhibit J, # 11 Exhibit K, # 12 Exhibit L, # 13 Exhibit M, # 14 Exhibit N, # 15 Exhibit O, # 16 Exhibit P, # 17 Civil Cover Sheet Civil Cover Sheet, # 18 Summons Richard Elrod, # 19 Summons Ronald Elrod, # 20 Summons S&W Masonry)(Maple, Christy)(smw). (Entered: 08/02/2017)	
1995	08/02/2017	CIVIL ACTION NO. 1:17-CV-2910-LMM JCF 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, LaTonya T. Bankhead vs. First Advantage Background Services Corp.. Filing fee $ 400, receipt number 113E-7301465. (Attachments: # 1 Exhibit A - State Court Complaint, # 2 Exhibit B - Proof of Service, # 3 Civil Cover Sheet)(Chalmers, Henry)(smw). (Entered: 08/02/2017)	
1996	08/02/2017	CIVIL ACTION NO. 1:17-CV-2911-WSD JKL 445 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Okan Ciger vs. Southern Company Services, Inc.. Filing fee $ 400, receipt number 113E-7301499. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Southern Company Services, Inc.)(Berlin, Rachel)(smw). (Entered: 08/02/2017)	
1997	08/02/2017	CIVIL ACTION NO. 1:17-CV-2913-CAP 840 15:1125a. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint RES IPSA USA, LLC vs. RES IPSA, LLC. Filing fee $ 400, receipt number 113E-7301627. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Moore, Joshua)(smw). (Entered: 08/02/2017)	
1998	08/02/2017	CIVIL ACTION NO. 1:17-CV-2914-ELR 480 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ronald Bagley vs. Capital One Bank (USA), N.A.. Filing fee $ 400, receipt number 113E-7302331. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Douglas, Chaka)(smw). (Entered: 08/02/2017)	
1999	08/03/2017	CIVIL ACTION NO. 1:17-CV-2920-LMM CMS 863 42:0405wc; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint MICHAEL T. ROBERTS, Sr. vs. NANCY A. BERRYHILL, Acting Comm'r of Social Security. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Motion to file IFP, # 3 Application to File IFP, # 4 Summons Defendant, c/o OGC, # 5 Summons Atty Gen, # 6 Summons U.S. Atty)(Hogan, John) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 08/03/2017)	

#	Date	Proceeding Text	Source
2000	08/03/2017	CIVIL ACTION NO. 1:17-CV-2923 AT JFK 442 42:2000ra; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint NIKITA WORTHY PEELER vs. PREMIER AMBULATORY SURGICAL CENTER, LLC. Filing fee $ 400, receipt number 113E-7304778. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Roberts, Victor) (jaw). (Entered: 08/03/2017)	
2001	08/03/2017	CIVIL ACTION NO. 1:17-CV-2924-SCJ LTW 442 29:0626; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint DEBORAH THOMAS vs. TUESDAY MORNING, INC.. Filing fee $ 400, receipt number 113E-7305436. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Roberts, Victor) (jaw). (Entered: 08/03/2017)	
2002	08/03/2017	CIVIL ACTION NO. 1:17-CV-2925-CC 190 28:1332bc; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Synovus Bank, as successor by merger to Global One Financial, Inc. vs. Ana Paredes M.D., P.A., a Florida professional association. Filing fee $ 400, receipt number 113E-7305461. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Exhibit Note, # 4 Exhibit Collateral Assignment, # 5 Exhibit Borrower's Consent, # 6 Exhibit Acknowledgement, # 7 Exhibit Disclosure Statement, # 8 Exhibit Initial Default Notice, # 9 Exhibit Second Default Notice)(Clinkscales, Thomas) (jaw). (Entered: 08/03/2017)	
2003	08/03/2017	CIVIL ACTION NO. 1:17-CV-2926-LMM 446 42:12101; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Futch, Thomas H. vs. I Love Thai, Inc.. Filing fee $ 400, receipt number 113E-7305494. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant I Love Thai, Inc., # 3 Summons as to Defendant East Atlanta Partnership, LLLP)(Ehrlich, Craig) (jaw). (Entered: 08/03/2017)	
2004	08/03/2017	CIVIL ACTION NO. 1:17-CV-2927-MHC 446 42:12101; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Holt, Dakota vs. Siam Restaurant, Inc.. Filing fee $ 400, receipt number 113E-7305555. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Siam Restaurant, Inc., # 3 Summons as to Defendant Alford Alcoa Partnership)(Ehrlich, Craig) (jaw). (Entered: 08/03/2017)	
2005	08/04/2017	CIVIL ACTION NO. 1:17-CV-2928-ELR AJB 442 42:200ra. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Kevin Pratt vs. AT&T Mobility Services LLC. Filing fee $ 400, receipt number 113E-7305836. (Attachments: # 1 Exhibit A - Summons, Complaint, Interrogatories, Request for Production, # 2 Exhibit B - Consent to Removal, # 3 Exhibit C - Notice of Filing Notice of Removal, # 4 Exhibit D - Civil Cover Sheet)(Snipe, Sheldon) (jaw). (Entered: 08/04/2017)	
2006	08/04/2017	CIVIL ACTION NO. 1:17-CV-2929-CC 190 28:1441bc; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, DISASA Dominicana S.R.L. vs. Associated Hygienic Products, LLC. Filing fee $ 400, receipt number 113E-7306027. (Attachments: # 1 Exhibit Summons and Complaint, # 2 Civil Cover Sheet)(Bakowski, Alan)(jaw). (Entered: 08/04/2017)	
2007	08/04/2017	CIVIL ACTION NO. 1:17-CV-2931-ODE RGV 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Marysol Arias vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7306662. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 08/04/2017)	
2008	08/04/2017	CIVIL ACTION NO. 1:17-CV-2932-CC JCF 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Michael Glover vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7306691. (Attachments: # 1 Civil Cover	

#	Date	Proceeding Text	Source
		Sheet)(Sieg, Paul) (jaw). (Entered: 08/04/2017)	
2009	08/04/2017	CIVIL ACTION NO. 1:17-CV-2933-CAP CMS 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tommy Gurley and Tabitha L. Gurley vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7306702. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 08/04/2017)	
2010	08/04/2017	CIVIL ACTION NO. 1:17-CV-2934-TWT JKL 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jovan Hickman vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7306719. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 08/04/2017)	
2011	08/04/2017	CIVIL ACTION NO. 1:17-CV-2935-WSD AJB 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Keisha Nicole Weaver vs. Equifax Information Services, LLC; Trans Union, LLC; JPMorgan Chase Bank; and, DiTech Financial, LLC. Filing fee $ 400, receipt number 113E-7306743. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 08/04/2017)	
2012	08/04/2017	CIVIL ACTION NO. 1:17-CV-2938-AT 896 09:0009; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint TIG Insurance Company vs. Appalachian Reinsurance (Bermuda), LTD.. Filing fee $ 400, receipt number 113E-7306855. (Attachments: # 1 Exhibit A to Petition, # 2 Exhibit B to Petition, # 3 Civil Cover Sheet TIG Civil Cover Sheet, # 4 Summons)(Hassett, Lewis) ATCH 2 EXH B IS CORRUPT AND DOES NOT OPEN. ATTY LEWIS HASSETT NOTIFIED BY JW ON 8/4/17 TO REFILE ATCH ONCE CASE HAS OPENED IN CM/ECF (jaw). (Entered: 08/04/2017)	
2013	08/04/2017	CIVIL ACTION NO. 1:17-CV-2939-SCJ 190 28:1332bc; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Thule, Inc. vs. Home Depot Product Authority, LLC. Filing fee $ 400, receipt number 113E-7307103. (Attachments: # 1 Exhibit, # 2 Exhibit, # 3 Exhibit, # 4 Exhibit, # 5 Civil Cover Sheet, # 6 Summons)(Podolsky, Gail) (jaw). (Entered: 08/04/2017)	
2014	08/04/2017	CIVIL ACTION NO. 1:17-CV-2940-LMM RGV 480 15:1692; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Michelle Smith vs. Specialized Loan Servicing, LLC. Filing fee $ 400, receipt number 113E-7307072. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Civil Cover Sheet)(Reise, Sarah) (jaw). (Entered: 08/04/2017)	
2015	08/04/2017	CIVIL ACTION NO. 1:17-CV-2941-CAP JSA 29:0626; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Wayne Arnold vs. Rebar Erection, Inc.. Filing fee $ 400, receipt number 113E-7307161. (Attachments: # 1 Exhibit A-Notice of Right to Sue, # 2 Civil Cover Sheet, # 3 Summons)(Weiner, Andrew) (jaw). (Entered: 08/04/2017)	
2016	08/04/2017	CIVIL ACTION NO. 1:17-cv-2945-TWT 890 47:0227; E-SUMMONS NOT ISSUED. Case Initiating Documents-Complaint Kenneth Alexander vs. Credit One Bank, N.A.. Filing fee $ 400, receipt number 113E-7307756. (Attachments: # 1 Exhibit Call Log, # 2 Civil Cover Sheet, # 3 Summons)(Gomez, Octavio) SUMMONS WAS OPENED BY ATTY IN PDF/A FORMAT(AS READ ONLY TO PREVENT MODIFICATION) AND COULD NOT BE PROCESSED BY THE CLERK'S OFFICE jaw). (Entered: 08/04/2017)	
2017	08/04/2017	CIVIL ACTION NO. 1:17-CV-2946-WSD 710 29:0216b; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Samuel Hearst vs. Deli Management, Inc. d/b/a Jason's Deli. Filing fee $ 400, receipt number 113E-7308090. (Attachments: # 1	

#	Date	Proceeding Text	Source
		Consent signed by Plaintiff, # 2 Civil Cover Sheet, # 3 Summons)(Head, C.) (jaw). (Entered: 08/04/2017)	
2018	08/04/2017	CIVIL ACTION NO. 1:17-CV-2947-TWT-CMS 442 42:2000ra. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jack D. Hargett vs. City of Atlanta. Filing fee $ 400, receipt number 113E-7308176. (Attachments: # 1 Civil Cover Sheet)(Irvin, Alexander)(smw). (Entered: 08/04/2017)	
2019	08/06/2017	CIVIL ACTION NO. 1:17-CV-2948-TCB-JKL 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Terry Wayne Hitchrick vs. Equifax Information Services, LLC and Seterus, Inc.,. Filing fee $ 400, receipt number 113E-7308476. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 08/06/2017)	
2020	08/06/2017	CIVIL ACTION NO. 1:17-CV-2950-SCJ-JFK 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Joshua Dean vs. Trans Union, LLC and PNC Bank, National Association (Inc.). Filing fee $ 400, receipt number 113E-7308480. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (smw). (Entered: 08/06/2017)	
2021	08/06/2017	CIVIL ACTION NO. 1:17-CV-2951-LMM-LTW 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Dana Gregory vs. Trans Union, LLC and DiTech Financial, LLC. Filing fee $ 400, receipt number 113E-7308484. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 08/06/2017)	
2022	08/07/2017	CIVIL ACTION NO. 1:17-CV-2953-MHC 370 28:1332fr. FIVE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Diane Mauriello vs. Robert Friedland. Filing fee $ 400, receipt number 113E-7309143. (Attachments: # 1 Exhibit Exhibits for Complaint, # 2 Civil Cover Sheet Civil Cover Sheet, # 3 Summons Summons for all parties)(Peak, Jonathan)(smw). (Entered: 08/07/2017)	
2023	08/07/2017	CIVIL ACTION NO. 1:17-CV-2954-ELR 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Michael Campbell vs. Progressive Finance Holdings, LLC. Filing fee $ 400, receipt number 113E-7309502. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate of Interested Parties)(Lemberg, Sergei)(smw). (Entered: 08/07/2017)	
2024	08/07/2017	CIVIL ACTION NO. 1:17-CV-2959-CC 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Seterria Brodnex vs. PUBLIX SUPER MARKETS, INC.. Filing fee $ 400, receipt number 113E-7310634. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Civil Cover Sheet)(Brown, Richard)(smw). (Entered: 08/07/2017)	
2025	08/07/2017	CIVIL ACTION NO. 1:17-CV-2960-LMM 110 28:1441in. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Adonis Cole vs. Mutual of Omaha Insurance Company. Filing fee $ 400, receipt number 113E-7310902. (Attachments: # 1 Exhibit A - Complaint, # 2 Exhibit B - Summons, # 3 Exhibit C - Case Initiation Form, # 4 Exhibit D - NOR Newton County Superior Court, # 5 Civil Cover Sheet, # 6 Certificate of Interested Persons and Corporate Disclosure Statement)(Pohlmann, Aaron)(smw). (Entered: 08/07/2017)	
2026	08/07/2017	CIVIL ACTION NO. 1:17-CV-2961-MHC 310 28:1446pi; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, James Green vs. Delta Air Lines, Inc.. Filing fee $ 400, receipt number 113E-7311145. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Exhibit B)(Swiger, Joshua) (jaw). (Entered: 08/07/2017)	
2027	08/07/2017	CIVIL ACTION NO. 1:17-CV-2962-AT 890 47:0227; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint	

#	Date	Proceeding Text	Source
		Matthew Bush vs. GoSmith, Inc.. Filing fee $ 400, receipt number 113E-7311154. (Attachments: # 1 Exhibit A-J, # 2 Civil Cover Sheet, # 3 Summons Summons GoSmith, Inc., # 4 Summons Summons Friend Trusted, Inc.)(Danowitz, Edward) (jaw). (Entered: 08/07/2017)	
2028	08/07/2017	CIVIL ACTION NO. 1:17-CV-2963-ODE 442 20:1683; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tayler Mathews vs. Clark Atlanta University, Inc.. Filing fee $ 400, receipt number 113E-7311242. (Attachments: # 1 Civil Cover Sheet, # 2 Appendix)(Anderson, Lisa) (jaw). (Entered: 08/07/2017)	
2029	08/08/2017	CIVIL ACTION NO. 1:17-CV-2964-CAP-JKL 863 42:0405ww; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ron Terrence Allen vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Civil Cover Sheet, # 5 Summons, # 6 Summons, # 7 Summons, # 8 Motion to Proceed In Forma Pauperis)(Flynn, Kathleen) (jaw). (Entered: 08/08/2017)	
2030	08/08/2017	CIVIL ACTION NO. 1:17-CV-2966-TWT-JFK 863 42:0405wc; THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint EDNA DROSS vs. NANCY A. BERRYHILL, Acting Comm'r of Social Security. Filing fee $ 400, receipt number 113E-7312174. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Defendant, # 3 Summons US Atty, # 4 Summons Atty Gen)(Hogan, John) (jaw). (Entered: 08/08/2017)	
2031	08/08/2017	CIVIL ACTION NO. 1:17-CV-2967-CC-RGV 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Kathleen Bennett vs. Trans Union, LLC and Rushmore Loan Management Services, LLC. Filing fee $ 400, receipt number 113E-7312269. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 08/08/2017)	
2032	08/08/2017	CIVIL ACTION NO. 1:17-CV-2970-WSD-JSA 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Anthony Owen Burgess vs. Trans Union, LLC and Shellpoint Partners, LLC a/k/a and d/b/a Shellpoint Mortgage. Filing fee $ 400, receipt number 113E-7312307. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 08/08/2017)	
2033	08/08/2017	CIVIL ACTION NO. 1:17-CV-2971-SCJ-JCF 480 15:1681; NO E-SUMMONS ISSUD. Case Initiating Documents-Complaint Damone Burton vs. Trans Union, LLC and Ocwen Loan Servicing, LLC. Filing fee $ 400, receipt number 113E-7312335. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (jaw). (Entered: 08/08/2017)	
2034	08/08/2017	CIVIL ACTION NO. 1:17-CV-2973-LMM-CMS 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sandra Louise Wilson vs. Trans Union, LLC and Select Portfolio Servicing, Inc.,. Filing fee $ 400, receipt number 113E-7312372. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(jaw). (Entered: 08/08/2017)	
2035	08/08/2017	CIVIL ACTION NO. 1:17-CV-2975-ELR 710 29:0216b; THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Rachel Cartrett vs. East West Hospitality LLC. Filing fee $ 400, receipt number 113E-7312579. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Summons - East West Hospitality, # 3 Summons Summons - Parash Patel, # 4 Summons Summons - Emory Hospitality)(Crawford, Dustin) (jaw). (Entered: 08/08/2017)	
2036	08/08/2017	CIVIL ACTION NO. 1:17-CV-2977-ELR 850 15:0078; TEN E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sean Zhou vs. Joseph J. DeAngelo. Filing fee $ 400, receipt number 113E-7312730. (Attachments: # 1 Civil Cover Sheet, # 2	

#	Date	Proceeding Text	Source
		Summons to Joseph J. DeAngelo, # 3 Summons to Evan J. Levitt, # 4 Summons to Kathleen J. Affeldt, # 5 Summons to Betsy S. Atkins, # 6 Summons to Peter A. Dorsman, # 7 Summons to Patrick R. McNamee, # 8 Summons to Charles W. Peffer, # 9 Summons to James A. Rubright, # 10 Summons to Lauren Taylor Wolfe, # 11 Summons HD Supply Holdings, Inc., # 12 Plaintiff's Certificate of Interested Persons and Corporate Disclosre Statement)(Fistel, Michael) (jaw). (Entered: 08/08/2017)	
2037	08/08/2017	CIVIL ACTION NO. 1:17-CV-2978-WSD 370 28:1332fr; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tommie Puckett vs. Nationwide Coin & Bullion Reserve, Inc.. Filing fee $ 400, receipt number 113E-7312784. (Attachments: # 1 Summons for Nationwide Coin & Bullion Reserve, Inc., # 2 Summons for Melida Ramirez, # 3 Civil Cover Sheet, # 4 Exhibit A - 10-07-14 Invoice, # 5 Exhibit B - 11-20-14 Invoice, # 6 Exhibit C - 11-25-14 Invoice, # 7 Exhibit D - 09-18-15 Invoice, # 8 Exhibit E - 09-22-15 Invoice, # 9 Exhibit F - 10-16-15 Invoice, # 10 Exhibit G - 10-16-15 Invoice 2, # 11 Exhibit H - FBPA Demand Letter)(Hurt, James) (jaw). (Entered: 08/08/2017)	
2038	08/08/2017	CIVIL ACTION NO. 1:17-CV-2979-LMM 890 47:0227; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Hope Gamble vs. New England Auto Finance, Inc.. Filing fee $ 400, receipt number 113E-7313060. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Hormozdi, Shireen) (jaw). (Entered: 08/08/2017)	
2039	08/08/2017	CIVIL ACTION NO. 1:17-CV-2983-ELR 850 15:0078; CORRECT COMPLAINT AT [2049, 10 E-SUMMONS ISSUED.]DUPLICATE FILING OF INITIATING COMPLAINT AT 2036 . VOICE MSG LEFT FOR ATTY FISTEL BY JW ON 08/09/17 AT 8:14 AM REGARDING SAME.CASE WILL BE SKIPPED. Case Initiating Documents-Complaint James Calderaro vs. Joseph J. DeAngelo. Filing fee $ 400, receipt number 113E-7313164. (Attachments: # 1 Civil Cover Sheet, # 2 Summons to Joseph J. DeAngelo, # 3 Summons to Evan J. Levitt, # 4 Summons to Kathleen J. Affeldt, # 5 Summons to Betsy S. Atkins, # 6 Summons to Peter A. Dorsman, # 7 Summons to Patrick R. McNamee, # 8 Summons to Charles W. Peffer, # 9 Summons to James A. Rubright, # 10 Summons to Lauren Taylor Wolfe, # 11 Summons HD Supply Holdings, Inc., # 12 Plaintiff's Certificate of Interested Persons and Corporate Disclosre Statement)(Fistel, Michael) (jaw). (Entered: 08/08/2017)	
2040	08/08/2017	CIVIL ACTION NO. 1:17-CV-2981-ODE 710 29:0216b; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Donte Anderson, for himself and all others similarly situated vs. Southeastern Pizza Group, LLC. Filing fee $ 400, receipt number 113E-7313326. (Attachments: # 1 Supplement Consent to Join, # 2 Summons, # 3 Civil Cover Sheet)(Morgan, Charles) (jaw). (Entered: 08/08/2017)	
2041	08/08/2017	CIVIL ACTION NO. 1:17-CV-2982-WSD 446 42:12101; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Brown, Yvonne vs. The Pep Boys-Manny, Moe & Jack (Inc.). Filing fee $ 400, receipt number 113E-7313562. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant The Pep Boys-Manny, Moe & Jack (Inc.), # 3 Summons as to Defendant 35-38 95th Street Realty, Ltd.)(Ehrlich, Craig) (jaw). (Entered: 08/08/2017)	
2042	08/08/2017	CIVIL ACTION NO. 1:17-CV-2984-ELR 850 15:0078; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Obioma Ebisike vs. HD Supply Holdings, Inc.. Filing fee $ 400, receipt number 113E-7313596. (Attachments: # 1 Exhibit Plaintiff's	

#	Date	Proceeding Text	Source
		Certification, # 2 Civil Cover Sheet)(Bain, David) (jaw). (Entered: 08/08/2017)	
2043	08/08/2017	CIVIL ACTION NO. 1:17-CV-2985-ODE 190 28:1441bc; NO E-Summons ISSUED. Case Initiating Documents-Notice of Removal, First-Citizens Bank & Trust Company, Inc. vs. Ashamed Williams. Filing fee $ 400, receipt number 113E-7313474. (Attachments: # 1 Summons, # 2 Complaint, # 3 Affidavit, # 4 Entry of Appearance, # 5 Answer)(Callins, Joel Aldrich) (jaw). (Entered: 08/08/2017)	
2044	08/08/2017	CIVIL ACTION NO. 1:17-cv-2987-CC 190 28:1332bc. Case Initiating Documents-Complaint Bank of America NA vs. Mike O. Mbonu. Filing fee $ 400, receipt number 113E-7313805. (Attachments: # 1 Civil Cover Sheet, # 2 Certificate of Interested Persons, # 3 Summons, # 4 Affidavit)(Beedenbender, Adam) One (1) e-summons issued. (akr). (Entered: 08/08/2017)	
2045	08/08/2017	CIVIL ACTION NO. 1:17-cv-2988-TWT 190 28:1332bc. Case Initiating Documents-Complaint Crawford & Company, Inc. vs. Cunningham Lindsey U.S., Inc.. Filing fee $ 400, receipt number 113E-7313769. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B, # 3 Exhibit Exhibit C, # 4 Summons Cunningham Linsey, # 5 Summons Daniel, # 6 Summons McKeown, # 7 Civil Cover Sheet Cover Sheet)(Konn, Jamie) Three (3) e-summons issued. (akr). (Entered: 08/08/2017)	
2046	08/08/2017	CIVIL ACTION NO. 1:17-cv-2989-AT 440 28:1443. Case Initiating Documents-Notice of Removal, Donna Curling vs. Brian P. Kemp. Filing fee $ 400, receipt number 113E-7313843. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit State Superior Court Docket Sheet, # 3 Exhibit Plaintiffs' Original Petition, # 4 Exhibit Case Initiation Form, # 5 Exhibit Summons, # 6 Exhibit Notice of Related Case, # 7 Exhibit Special Process Summons, # 8 Exhibit Certificate of Service, # 9 Exhibit Certificate of Service, # 10 Exhibit Motion for Leave to File Amended Complaint, # 11 Exhibit Motion for Leave to Serve, # 12 Exhibit Affidavits of Service, # 13 Exhibit Proposed Order, # 14 Exhibit Sheriff's Entry of Service)(Heidt, Josiah) No e-summons issued. (akr). (Entered: 08/08/2017)	
2047	08/08/2017	CIVIL ACTION NO. 1:17-cv-2990-LMM-LTW 480 15:1681. Case Initiating Documents-Complaint Charlotte Wright vs. Trans Union, LLC and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7313924. (Attachments: # 1 Civil Cover Sheet)(Berry, Caitlin) No e-summons issued. (akr). (Entered: 08/08/2017)	
2048	08/08/2017	CIVIL ACTION NO. 1:17-cv-2991-LMM-JFK 480 15:1681. Case Initiating Documents-Complaint Tellika Sangaria Woodard vs. Equifax Information Services, LLC; Trans Union, LLC; and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7313926. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) No e-summons issued. (akr). (Entered: 08/08/2017)	
2049	08/09/2017	SUBMISSION of additional attachments re: 2039 ; CIVIL ACTION NO. 1:17-CV-2983-ELR 850 15:0078. TEN E-SUMMONS ISSUED AT 2039 Case Initiating Documents-Complaint,,,. (Fistel, Michael) (jaw). (Entered: 08/09/2017)	
2050	08/09/2017	TRO. CIVIL ACTION NO. 1:17-cv-2992-LMM 220 28:1441bc. Case Initiating Documents-Notice of Removal, Lana D. Woodfork vs. MidFirst Bank. Filing fee $ 400, receipt number 113E-7314135. (Attachments: # 1 Exhibit A-Superior Court Complaint, # 2 Exhibit B-Tax Assessor's Record)(Grodzicki, Joseph) Civil Cover sheet not filed; Atty. Grodzicki contacted on 8/9/17 by akr and informed	

#	Date	Proceeding Text	Source
		to file document in the civil case assigned.(akr). (Entered: 08/09/2017)	
2051	08/09/2017	CIVIL ACTION NO. 1:17-cv-2993-MHC 791 29:1132. Case Initiating Documents-Complaint James Mitropoulos vs. United of Omaha Life Ins Co. Filing fee $ 400, receipt number 113E-7314759. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons, # 3 Exhibit Exhibit A -- Policy, # 4 Exhibit Exhibit B -- Dr. O'Shanick Rebuttal, # 5 Exhibit Exhibit C -- Dr. Logsdon Rebuttal)(Warncke, Jeffrey) Summons form incomplete. Atty. Warncke contacted on 8/9/17 by akr and informed to submit corrected summons in the civil case assigned.(akr). (Entered: 08/09/2017)	
2052	08/09/2017	CIVIL ACTION NO. 1:17-cv-2995-CC 190 28:1441bc. Case Initiating Documents-Notice of Removal, GLOBAL PAYMENTS INC. vs. CONAN LANE. Filing fee $ 400, receipt number 113E-7314968. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet)(Zweigel, Scott) No e-summons issued. (akr). (Entered: 08/09/2017)	
2053	08/09/2017	CIVIL ACTION NO. 1:17-cv-2996-CAP 190 28:2201dj. Case Initiating Documents-Notice of Removal, TECHNICAL PRODUCTS, INC. vs. BELLSOUTH TELECOMMUNICATIONS, LLC d/b/a AT&T GEORGIA. Filing fee $ 400, receipt number 113E-7315366. (Attachments: # 1 Civil Cover Sheet)(Jett, John) No e-summons issued. (akr). (Entered: 08/09/2017)	
2054	08/09/2017	CIVIL ACTION NO. 1:17-cv-2997-WSD 362 28:1346wd. Case Initiating Documents-Complaint Debra Lynn Childers-Amerson vs. United States of America. Filing fee $ 400, receipt number 113E-7315404. (Attachments: # 1 Exhibit A - Declaration of Mary Ann Alexander, M.D., # 2 Summons Summons - United State of America, # 3 Civil Cover Sheet)(Warshauer, Lyle) One (1) e-summons issued. (akr). (Entered: 08/09/2017)	
2055	08/09/2017	CIVIL ACTION NO. 1:17-cv-2998-TCB 791 29:1132. One (1) e-summons issued. Case Initiating Documents-Complaint John Thompson vs. Liberty Life Assurance Co. of Boston. Filing fee $ 400, receipt number 113E-7315650. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Adams-Bradham, Paulette) (akr). (Entered: 08/09/2017)	
2056	08/09/2017	CIVIL ACTION NO. 1:17-cv-3000-AT 350 28:1441mv. No E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, TIMOTHY CAHILL vs. SEVCIK JIRI. Filing fee $ 400, receipt number 113E-7315736. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet)(Patel, Stephanie) (akr). (Entered: 08/09/2017)	
2057	08/09/2017	CIVIL ACTION NO. 1:17-CV-3001-TCB-JKL 751 29:2601. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Shalise Wrobel vs. TriBridge Residential, LLC. Filing fee $ 400, receipt number 113E-7316685. (Attachments: # 1 Civil Cover Sheet)(Billips, Matthew)(smw). (Entered: 08/09/2017)	
2058	08/09/2017	CIVIL ACTION NO. 1:17-CV-3002-ODE-LTW 480 15:1692. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Deborah A. Queen vs. LVNV Funding, LLC. Filing fee $ 400, receipt number 113E-7316772. (Attachments: # 1 Civil Cover Sheet, # 2 Summons LVNV Funding, LLC, # 3 Summons Aldridge Pite Haan, LLP, # 4 Summons McCullough, Payne, Haan & Nadler, LLC)(Koval, Steven)(smw). (Entered: 08/09/2017)	
2059	08/10/2017	CIVIL ACTION NO. 1:17-CV-3008 ODE 422 28:0158. NO E-SUMMONS ISSUED. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 17-59905-pmb. Notice of Appeal filed 8/8/17 from Order entered 7/26/17 by Appellant 1278 Village	

#	Date	Proceeding Text	Source
		Run Trust. Fee Paid: Yes. USBC Receipt No. 45574527. (Attachments: # 1 NOA-doc27, # 2 Order-Doc23, # 3 Docket Report)(Lugo, Yahaira)(smw). (Entered: 08/10/2017)	
2060	08/10/2017	CIVIL ACTION NO. 1:17-CV-3010-TWT 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Brandon Jones vs. Candler Road Dental, P.C. d/b/a Kool Smiles, PC. Filing fee $ 400, receipt number 113E-7317902. (Attachments: # 1 Exhibit call log, # 2 Exhibit call log, # 3 Civil Cover Sheet, # 4 Summons)(Gomez, Octavio)(smw). (Entered: 08/10/2017)	
2061	08/10/2017	CIVIL ACTION NO. 1:17-CV-3013-SCJ-LTW 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Orlando Stanley vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles)(smw). (Entered: 08/10/2017)	
2062	08/10/2017	CIVIL ACTION NO. 1:17-CV-3017-AT 446 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Holt, Dakota vs. Metro Corral Partners, LLC. Filing fee $ 400, receipt number 113E-7318896. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Metro Corral Partners, LLC, # 3 Summons as to Defendant Best 5 LLC)(Ehrlich, Craig)(smw). (Entered: 08/10/2017)	
2063	08/10/2017	CIVIL ACTION NO. 1:17-CV-3018-AT 422 28:0158. NO E-SUMMONS ISSUED. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 09-90842-crm, ADV case#: 15-5453. Notice of Appeal filed 8/10/17 from Order entered 7/24/17, 7/25/17 by Appellant Josephine Graddy. Fee Paid: Yes. USBC Receipt No. 1241651. (Attachments: # 1 NOA-doc84, # 2 Order-doc79, # 3 Judgment-doc80, # 4 Docket report)(Lugo, Yahaira)(smw). (Entered: 08/10/2017)	
2064	08/10/2017	CIVIL ACTION NO. 1:17-CV-3019-SCJ-JFK 442 29:0626. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint RHONDA SEALS vs. SPRINT SPECTRUM L.P. D/B/A UNITED MANAGEMENT CO.. Filing fee $ 400, receipt number 113E-7318932. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Upon Sprint Spectrum L.P. d/b/a United Management Co.)(Smith, Tequiero) (smw). (Entered: 08/10/2017)	
2065	08/10/2017	CIVIL ACTION NO. 1:17-CV-3020-CAP-LTW 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tory Mack vs. National Credit Adjusters, LLC. Filing fee $ 400, receipt number 113E-7319009. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate of Interested Parties)(Lemberg, Sergei)(smw). (Entered: 08/10/2017)	
2066	08/10/2017	DOCUMENTS FILED IN INCORRECT DIVISION SHELL CASE. DOCUMENTS FORWARDED TO GAINESVILLE DIVISION ON 08/11/2017 BY RB CIVIL ACTION NO. 2:17-CV-00168-RWS 710 29:201do Case Initiating Documents-Complaint Rey D. Aguilar vs. Taylor Pallets of Georgia, Inc. Filing fee $ 400, receipt number 113E-7319215. (Attachments: # 1 Civil Cover Sheet, # 2 Summons for TAYLOR PALLETS OF GEORGIA, INC.)(Van Remmen, Gordon) (jaw). Modified on 8/14/2017 (rsg). (Entered: 08/10/2017)	
2067	08/10/2017	CIVIL ACTION NO. 1:17-CV-3021-TWT 820 28:1338cp; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Integrity Toys, Inc. vs. Macy's Inc.. Filing fee $ 400, receipt number 113E-7319286. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons)(Bowler,	

#	Date	Proceeding Text	Source
		John)(jaw). (Entered: 08/10/2017)	
2068	08/10/2017	SUBMISSION of additional attachments re: 2067 . CIVIL ACTION 1:17-CV-3021. Case Initiating Documents-Complaint,. (Bowler, John) (jaw). (Entered: 08/10/2017)	
2069	08/10/2017	CIVIL ACTION NO. 1:17-CV-3022-TCB 446 42:12101; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Blinkhorn, Jessica vs. Simmons, Phillip R.. Filing fee $ 400, receipt number 113E-7319310. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Simmons, Phillip R., # 3 Summons as to Defendant HP HOWELL II, LP)(Ehrlich, Craig)(jaw). (Entered: 08/10/2017)	
2070	08/10/2017	CIVIL ACTION NO. 1:17-CV-3023-LMM 367 28:1332pl; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Lee Ann Palmer vs. Howmedica Osteonics. Filing fee $ 400, receipt number 113E-7319317. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Pope, N.)(jaw). (Entered: 08/10/2017)	
2071	08/10/2017	CIVIL ACTION NO. 1:17-CV-3024-LMM-RGV 445 42:12101; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Earl Henson vs. City of Atlanta. Filing fee $ 400, receipt number 113E-7319341. (Attachments: # 1 Civil Cover Sheet)(Billips, Matthew)(jaw). (Entered: 08/10/2017)	
2072	08/11/2017	CIVIL ACTION NO. 1:17-CV-3025-WSD-JFK 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Amir A. Tahamtan vs. Discover Card Financial Services. Filing fee $ 400, receipt number 113E-7319673. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Civil Cover Sheet)(Fiorilla, Louis) (jaw). (Entered: 08/11/2017)	
2073	08/11/2017	CIVIL ACTION NO. 1:17-CV-3026-ELR 440 42:1983cv; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint N.T. vs. Phillip Riley. Filing fee $ 400, receipt number 113E-7319877. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Greenamyre, Zack)(jaw). (Entered: 08/11/2017)	
2074	08/11/2017	TRO - CIVIL ACTION NO. 1:17-CV-3027-TCB 220 28:1444; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal. Filing fee $ 400, receipt number 113E-7319909. (Attachments: # 1 Exhibit A to Notice of Removal, # 2 Exhibit B to Notice of Removal, # 3 Exhibit C to Notice of Removal, # 4 Civil Cover Sheet)(Taube, Gregory) (jaw). (Entered: 08/11/2017)	
2075	08/11/2017	CIVIL ACTION NO. 1:17-CV-3031-CC-LTW 220 28:1441bc; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Alain Bouzoubaa vs. Bank of America, N.A.. Filing fee $ 400, receipt number 113E-7320319. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Civil Cover Sheet)(Rhadans, Allison)(jaw). (Entered: 08/11/2017)	
2076	08/11/2017	CIVIL ACTION NO. 1:17-CV-3033-ELR 220 28:1444; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Carlos Proa vs. JPMorgan Chase Bank, N.A.. Filing fee $ 400, receipt number 113E-7320648. (Attachments: # 1 Exhibit A Process Pleadings, # 2 Exhibit B Sheriff's Entry of Service, # 3 Exhibit C Property Valuation, # 4 Civil Cover Sheet)(Hansen, Brian) (jaw). (Entered: 08/11/2017)	
2077	08/11/2017	CIVIL CASE ACTION NO. 1:17-CV-3038-AT 190 28:1441oc; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Autumn Vista Holdings, LLC vs. Timbercreek Autumn Vista, L.P.. Filing fee $ 400, receipt number 113E-7321126. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Taylor, Eric)(jaw). (Entered: 08/11/2017)	
2078	08/11/2017	CIVIL ACTION NO. 1:17-cv-3040-SCJ 190 28:1332bc. Two (2) e-	

#	Date	Proceeding Text	Source
		summons issued. Case Initiating Documents-Complaint United Parcel Service Oasis Supply Corporation vs. PAJE Trucking, Inc.. Filing fee $ 400, receipt number 113E-7321752. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons - PAJE, # 3 Summons Summons - Sentry, # 4 Exhibit EX 1, # 5 Exhibit EX 2, # 6 Exhibit EX 3, # 7 Exhibit EX 4, # 8 Exhibit EX 5, # 9 Exhibit EX 6, # 10 Exhibit EX 7, # 11 Exhibit EX 8, # 12 Exhibit EX 9, # 13 Exhibit EX 10, # 14 Exhibit EX 11, # 15 Exhibit EX 12, # 16 Exhibit EX 13, # 17 Exhibit EX 14, # 18 Exhibit EX 15, # 19 Exhibit EX 16, # 20 Exhibit EX 17, # 21 Exhibit EX 18, # 22 Exhibit EX 19, # 23 Supplement Corporate Disclosure Statement)(Boyd, Sean) (akr). (Entered: 08/11/2017)	
2079	08/11/2017	CIVIL ACTION NO. 1:17-cv-3042-MHC 710 29:0216b. Two (2) e-summons issued. Case Initiating Documents-Complaint Steven Lingerfelter vs. Illegal Food Ltd.. Filing fee $ 400, receipt number 113E-7321777. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Illegal Food Ltd., # 3 Summons Kevin Cronin)(Farahany, Amanda) (akr). (Entered: 08/11/2017)	
2080	08/11/2017	CIVIL ACTION NO. 1:17-cv-3043-ODE 791 28:1441er. No e-summons issued. Case Initiating Documents-Notice of Removal, C & J Financial, LLC vs. WellStar Atlanta Medical Center, Inc.. Filing fee $ 400, receipt number 113E-7321789. (Attachments: # 1 Exhibit A (state court documents), # 2 Exhibit B (state court notice), # 3 Civil Cover Sheet)(Constantine, Randall) (akr). (Entered: 08/11/2017)	
2081	08/11/2017	CIVIL ACTION NO. 1:17-cv-3042-MHC. RESUBMISSION of 2079 (CORRECT SPELLING OF PLAINTIFF'S NAME) Case Initiating Documents-Complaint Steven Lingerfelter vs. Illegal Food Ltd.. Filing fee $ 400, receipt number 113E-7321777. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Illegal Food Ltd., # 3 Summons Kevin Cronin)(Farahany, Amanda). (Attachments: # 1 Civil Cover Sheet, # 2 Summons Illegal Food, # 3 Summons Cronin)(Farahany, Amanda) (akr). (Entered: 08/11/2017)	
2082	08/11/2017	CIVIL ACTION NO. 1:17-cv-3044-ELR-AJB 442 42:2000sx. One (1) e-summons issued. Case Initiating Documents-Complaint Francine Spivey vs. Royston LLC. Filing fee $ 400, receipt number 113E-7321819. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B, # 3 Civil Cover Sheet Civil Cover Sheet, # 4 Request for Service, # 5 Summons Summons, # 6 Corporate Disclosure)(Fonteneau, Kira) (akr). (Entered: 08/11/2017)	
2083	08/14/2017	CIVIL ACTION NO. 1:17-cv-3045-WSD-AJB 480 15:1681. No e-summons issued. Case Initiating Documents-Complaint Enderica Daniels vs. Equifax Information Services, LLC and American Honda Finance Corporation. Filing fee $ 400, receipt number 113E-7321922. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) (akr). (Entered: 08/14/2017)	
2084	08/14/2017	CIVIL ACTION NO. 1:17-cv-3046-TCB 190 28:1332bc. Two (2) e-summons issued. Case Initiating Documents-Complaint CourierNet, Inc. vs. Argus Logisitics, LLC. Filing fee $ 400, receipt number 113E-7322319. (Attachments: # 1 Exhibit Ex. A - Part 1, # 2 Exhibit Ex. A - Part 2, # 3 Exhibit Ex. A - Part 3, # 4 Exhibit Ex. A - Part 4, # 5 Exhibit Ex. B-E, # 6 Civil Cover Sheet, # 7 Summons Argus, # 8 Summons Grupo)(Lucas, John)(akr). (Entered: 08/14/2017)	
2085	08/14/2017	CIVIL ACTION NO. 1:17-cv-3047-AT 367 28:1332pl. One (1) E-Summons issued. Case Initiating Documents-Complaint Ronald Cox vs. Smith & Nephew, Inc.. Filing fee $ 400, receipt number 113E-7322364. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Hart, Ronald) (akr). (Entered: 08/14/2017)	

#	Date	Proceeding Text	Source
2086	08/14/2017	CIVIL ACTION NO. 1:17-cv-3050-LMM 625 21:0881. No e-summons issued. Case Initiating Documents-Complaint United States of America vs. Three Miscellaneous Firearms and Assorted Ammunition. No payment received. (Attachments: # 1 Civil Cover Sheet)(Goss, Dahil) (akr). (Entered: 08/14/2017)	
2087	08/14/2017	CIVIL ACTION NO. 1:17-cv-3051-AT 820 28:1338cp. One (1) e-summons issued. Case Initiating Documents-Complaint Association of American Medical Colleges vs. Gabriel Anyanwu. Filing fee $ 400, receipt number 113E-7323085. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Exhibits 1 through 5 to Complaint)(Borland, Elizabeth) (akr). (Entered: 08/14/2017)	
2088	08/14/2017	CIVIL ACTION NO. 1:17-cv-3053-SCJ 710 29:0216b. E-summons not processed; incomplete; ATTY. Scott contacted on 8/14/2017 by dmb and advised to resubmit in case assigned. Case Initiating Documents-Complaint Eshun, Nanaaba vs. Great Atlantic News LLC. Filing fee $ 400, receipt number 113E-7323377. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Scott, Debra) (akr). (Entered: 08/14/2017)	
2089	08/14/2017	CIVIL ACTION NO. 1:17-cv-3054-ODE 625 21:0881. No E-Summons issued. Case Initiating Documents-Complaint United States of America vs. $30,000.00 in U.S. Currency. No payment received. (Attachments: # 1 Civil Cover Sheet)(Sneed, Sekret) (akr). (Entered: 08/14/2017)	
2090	08/14/2017	CIVIL ACTION NO. 1:17-cv-3056-CAP-JSA 480 15:1692. Two (2) e-summons issued. Case Initiating Documents-Complaint Twana Mayers vs. Equifax Information Services, LLC. Filing fee $ 400, receipt number 113E-7323739. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Equifax, # 3 Summons QRS)(Mason, Jonathan) (akr). (Entered: 08/14/2017)	
2091	08/14/2017	CIVIL ACTION NO. 1:17-cv-3057-TWT 110 28:2201in. Four (4) E-Summons issued. Case Initiating Documents-Complaint ARCH SPECIALTY INSURANCE COMPANY vs. SSJ DEVELOPMENT COMPANY, LLC. Filing fee $ 400, receipt number 113E-7323723. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B, # 3 Exhibit Exhibit C, # 4 Civil Cover Sheet Civil Cover Sheet, # 5 Summons Summons to SSJ Development, # 6 Summons Summons to Rodney Thompson, # 7 Summons Summons to Robert Joseph Sr., # 8 Summons Summons to Kemberly Joseph)(Friedman, Seth) (akr). (Entered: 08/14/2017)	
2092	08/14/2017	CIVIL ACTION NO. 1:17-cv-3058-TCB 465 08:1329. Five (5) E-Summons issued. Case Initiating Documents-Complaint Daniel Perdomo vs. Elaine C. Duke. Filing fee $ 400, receipt number 113E-7324069. (Attachments: # 1 Civil Cover Sheet, # 2 appearance of counsel, # 3 Exhibit, # 4 Exhibit, # 5 Exhibit, # 6 Exhibit, # 7 Exhibit, # 8 Exhibit, # 9 Summons, # 10 Summons, # 11 Summons, # 12 Summons, # 13 Summons, # 14 Exhibit)(Cohen, Marshall)(akr). (Entered: 08/14/2017)	
2093	08/14/2017	CIVIL ACTION NO. 1:17-CV-3060-CAP 446 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Futch, Thomas H. vs. JH USA LLC. Filing fee $ 400, receipt number 113E-7324398. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant JH USA LLC, # 3 Summons as to Defendant JNS ATLANTA LLC)(Ehrlich, Craig)(smw). (Entered: 08/14/2017)	
2094	08/14/2017	CIVIL ACTION NO. 1:17-CV-3061-SCJ 350 28:1441mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, DE'ONTE GIPSON vs. RODERICK FOUNTAIN. Filing fee $ 400, receipt number 113E-7324439. (Attachments: # 1 Exhibit A - Complaint, # 2 Exhibit B - Answer and Other Pleadgins,	

#	Date	Proceeding Text	Source
		# 3 Civil Cover Sheet CCS)(McMickle, Scott)(smw). (Entered: 08/14/2017)	
2095	08/14/2017	CIVIL ACTION NO. 1:17-CV-3062-CC JCF 480 15:1681. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tameka Knight vs. Equifax Information Services, LLC. Filing fee $ 400, receipt number 113E-7324724. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Equifax, # 3 Summons Experian, # 4 Summons Trident)(Mason, Jonathan)(smw). (Entered: 08/14/2017)	
2096	08/14/2017	CIVIL ACTION NO. 1:17-CV-3063-LMM JKL 290 28:1332fc. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Bank of New York Mellon vs. Bai Bockarie. Filing fee $ 400, receipt number 113E-7324815. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Bockarie, # 3 Summons Fidelity, # 4 Summons HFB)(Wersant, Paul)(smw). (Entered: 08/15/2017)	
2097	08/15/2017	CIVIL ACTION NO. 1:17-CV-3064-TWT 446 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Roy Munn vs. Danny Henson. Filing fee $ 400, receipt number 113E-7325229. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Monismith, Pete)(smw). (Entered: 08/15/2017)	
2098	08/15/2017	CIVIL ACTION NO. 1:17-CV-3065-RWS 446 42:12101. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Roy Munn vs. William C. Kent. Filing fee $ 400, receipt number 113E-7325318. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Monismith, Pete)SUMMONS WILL NOT BE E-ISSUED DUE TO NO DEFENDANT ZIP CODE ATTY MONISMITH CONTACTED ON 8/15/2017 TO RESUMBIT THE SUMMONS ONCE THE CASE IS OPEN(smw). (Entered: 08/15/2017)	
2099	08/15/2017	CIVIL ACTION NO. 1:17-CV-3066-WSD 446 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Roy Munn vs. Fun Finds and Designs, Inc.. Filing fee $ 400, receipt number 113E-7325355. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Monismith, Pete)(smw). (Entered: 08/15/2017)	
2100	08/15/2017	CIVIL ACTION NO. 1:17-CV-3069-ODE JSA 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Nhan K. Ngo vs. Nancy A. Berryhill, Commissioner of Social Security. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons to US Attorney, # 3 Summons to OGC, # 4 Summons to Attorney General, # 5 Application to Proceed In Forma Pauperis)(Ginsberg, Jonathan)SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UP ON IFP APPROVAL(smw). (Entered: 08/15/2017)	
2101	08/15/2017	CIVIL ACTION NO. 1:17-CV-3070-TWT 422 28:0158. NO E-SUMMONS ISSUED. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 17-56284-PMB. Notice of Appeal filed 8/14/2017 from Orders entered 6/2/2017 and 6/29/2017 by Appellant Christopher Ramon Chin-Young. Fee Not Paid. (Attachments: # 1 Docket Sheet, # 2 Doc. 21 - Order, # 3 Doc. 25 - Order, # 4 Doc. 30 - Appeal)(Bogatay, Aaron)(smw). (Entered: 08/15/2017)	
2102	08/15/2017	CIVIL ACTION NO. 1:17-CV-3071-TCB 367 28:1332pl. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Marc LeDoux vs. Howmedica Osteonics Corporation d/b/a Stryker Orthopaedics. Filing fee $ 400, receipt number 113E-7326278. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Howmedica, # 3 Summons Stryker Corporation, # 4 Summons Stryker Sales Corporation)(Pope, N.) (smw). (Entered: 08/15/2017)	

#	Date	Proceeding Text	Source
2103	08/15/2017	CIVIL ACTION NO. 1:17-CV-3076-LMM 710 29:0216b. ONE E-Summons ISSUED. Case Initiating Documents-Complaint Kyna Hubbard vs. Willow Wood Nursing Center, Inc.. Filing fee $ 400, receipt number 113E-7326443. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Marx, Robert) (smw). (Entered: 08/15/2017)	
2104	08/15/2017	CIVIL ACTION NO. 1:17-CV-3077-AT 446 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Blinkhorn, Jessica vs. P11 Properties, LLC. Filing fee $ 400, receipt number 113E-7326782. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Ehrlich, Craig)(smw). (Entered: 08/15/2017)	
2105	08/15/2017	CIVIL ACTION NO. 1:17-CV-3079-CAP LTW 480 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Benjamin White III vs. Medical Data Systems, Inc. (Florida). Filing fee $ 400, receipt number 113E-7326826. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew)(smw). (Entered: 08/15/2017)	
2106	08/15/2017	CIVIL ACTION NO. 1:17-CV-3080-WSD 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Belinda Jones vs. Navient Solutions, LLC. Filing fee $ 400, receipt number 113E-7326825. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Summons)(Gomez, Octavio)(smw). (Entered: 08/15/2017)	
2107	08/15/2017	CIVIL ACTION NO. 1:17-CV-3081-TCB 367 28:1332pl. FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint CARYL QUASHIE vs. OLYMPUS AMERICA INC.. Filing fee $ 400, receipt number 113E-7326876. (Attachments: # 1 Civil Cover Sheet, # 2 Summons OLYMPUS CORPORATION OF THE AMERICAS, # 3 Summons OLYMPUS CORPORATION, # 4 Summons OLYMPUS MEDICAL SYSTEMS CORPORATION, # 5 Summons OLYMPUS AMERICA INC.)(Smith, Michael)(smw). (Entered: 08/15/2017)	
2108	08/15/2017	CIVIL ACTION NO. 1:17-CV-3086-MHC 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Harry Holder vs. CAPITAL ONE BANK (USA) N.A.. Filing fee $ 400, receipt number 113E-7326932. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Summons)(Gomez, Octavio) (smw). (Entered: 08/15/2017)	
2109	08/15/2017	CIVIL ACTION NO. 1:17-CV-3090-ELR 465 08:1329. FIVE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Abdul Mujeeb Mohammed vs. Jeff Sessions. Filing fee $ 400, receipt number 113E-7327476. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Exhibit B, # 4 Exhibit C, # 5 Exhibit D, # 6 Exhibit E, # 7 Exhibit F, # 8 Exhibit G, # 9 Exhibit H, # 10 Exhibit I, # 11 Exhibit J, # 12 Summons, # 13 Summons, # 14 Summons, # 15 Summons, # 16 Summons, # 17 Summons)(Claffey, Danielle)SUMMONS FOR JOHN A. HORN WILL NOT BE ISSUED DUE TO INCOMPLETE ADDRESS NOT CITY STATE OR ZIP CODE. ATTY CLAFFEY CONTACTED ON 8/15/2017 TO REISSUED THE SUMMONS ONCE THEY HAVE BEEN NOTIFIED THE CASE IS OPEN(smw) (Entered: 08/15/2017)	
2110	08/15/2017	CIVIL ACTION NO. 1:17-CV-3091-TCB 367 28:1441pl. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Kay Ghorley vs. Baxter Healthcare Corporation. Filing fee $ 400, receipt number 113E-7327610. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Corporate Disclosure Statement, # 3 Exhibit Ex. A - State Court File)(Gupta, Suneel)(smw). (Entered: 08/15/2017)	
2111	08/15/2017	CIVIL ACTION NO. 1:17-CV-3092-AT CMS 863 42:0405wc. FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ron Berry vs. Nancy A. Berryhill, Acting Commissioner,	

#	Date	Proceeding Text	Source
		Social Security Administration. Filing fee $ 400, receipt number 113E-7327659. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Commissioner, # 3 Summons AG, # 4 Summons Gen Cnsl, # 5 Summons US Attny)(Blakeney, Walter)(smw). (Entered: 08/15/2017)	
2112	08/15/2017	CIVIL ACTION NO. 1:17-CV-3093-SCJ 446 42:12101; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Futch, Thomas H. vs. Callahan Properties, LLLP. Filing fee $ 400, receipt number 113E-7327918. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Ehrlich, Craig)(jaw). (Entered: 08/15/2017)	
2113	08/15/2017	CIVIL ACTION NO. 1:17-CV-3094-TCB 890 15:0053; EIGHTEEN E-SUMMONS ISSUED. Case Initiating Documents-Complaint Federal Trade Commission vs. Hornbeam Special Situations, LLC. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Summons, # 8 Summons, # 9 Summons, # 10 Summons, # 11 Summons, # 12 Summons, # 13 Summons, # 14 Summons, # 15 Summons, # 16 Summons, # 17 Summons, # 18 Summons, # 19 Summons)(Waller, Richard)(jaw). (Entered: 08/15/2017)	
2114	08/15/2017	CIVIL ACTION NO. 1:17-CV-3095-LMM JKL 863 42:0405wc; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sylvia Sorina Rodgers vs. Nancy A. Berryhill, Acting Commissioner, Social Security Administration. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 IFP Motion, # 3 IFP Application, # 4 Summons Commissioner, # 5 Summons AG, # 6 Summons Gen Cnsl, # 7 Summons US Attny)(Blakeney, Walter)E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL (jaw). (Entered: 08/15/2017)	
2115	08/16/2017	CIVIL ACTION NO. 1:17-CV-3096-LMM 446 42:12101; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Roy Munn vs. YAWN Property, LLC. Filing fee $ 400, receipt number 113E-7328477. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Monismith, Pete)(jaw). Modified on 8/16/2017 (jaw). (Entered: 08/16/2017)	
2116	08/16/2017	CIVIL ACTION NO. 1:17-CV-3097-MHC 446 42:12101; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Marcus Ingram vs. Sandy's Pizza, Inc.. Filing fee $ 400, receipt number 113E-7328572. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Monismith, Pete)(jaw). (Entered: 08/16/2017)	
2117	08/16/2017	CIVIL ACTION NO. 1:17-CV-3098-ELR 446 42:12101; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Marcus Ingram vs. Brookhaven MMJP, LLLP. Filing fee $ 400, receipt number 113E-7328689. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Monismith, Pete)(jaw). (Entered: 08/16/2017)	
2118	08/16/2017	CIVIL ACTION NO. 1:17-CV-3099-CAP 890 47:0227; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Filisia Jackson vs. American Express Company. Filing fee $ 400, receipt number 113E-7328863. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Gomez, Octavio)(jaw). (Entered: 08/16/2017)	
2119	08/16/2017	CIVIL ACTION NO. 1:17-CV-3100-WSD 791 29:1132; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Dennis Albitus vs. Reliance Standard Life Insurance Company. Filing fee $ 400, receipt number 113E-7328949. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons Form)(Karrh, Heather)(jaw). (Entered: 08/16/2017)	
2120	08/16/2017	CIVIL ACTION NO. 1:17-CV-3101-AT 190 28:1332bc; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint UPS	

#	Date	Proceeding Text	Source
		Supply Chain Solutions, Inc. vs. Amatheon, Inc.. Filing fee $ 400, receipt number 113E-7329033. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit 1, # 3 Exhibit 2, # 4 Exhibit 3, # 5 Exhibit 4, # 6 Exhibit 5, # 7 Summons)(Liebler, Andrew)E-SUMMONS NOT ISSUED DUE TO DEFENDANT NAMED INCORRECTLY ON SUMMONS. (jaw). (Entered: 08/16/2017)	
2121	08/16/2017	CIVIL ACTION NO. 1:17-CV-3102-MHC 110 28:1335; FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint The Prudential Insurance Company of America vs. Ronald Harrell Cates. Filing fee $ 400, receipt number 113E-7329281. (Attachments: # 1 Exhibit A - Beneficiary & Benefit Payment Options, # 2 Exhibit B - Death Certificate, # 3 Exhibit C - Claim for Death Benefits, # 4 Exhibit D - Letter to Insurance Company with supporting documents, # 5 Civil Cover Sheet, # 6 Summons Ronald Cates c/o Hospital Administrator, # 7 Summons Ronald Cates Ind., # 8 Summons Donna Cates, # 9 Summons Tamra Cates)(Beakes, James)(jaw). (Entered: 08/16/2017)	
2122	08/16/2017	CIVIL ACTION NO. 1:17-CV-3103-ELR 350 28:1441mv; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Ramo vs. Heartland. Filing fee $ 400, receipt number 113E-7329365. (Attachments: # 1 Exhibit A-Complaint, # 2 Exhibit B - Secretary of State Webpage, # 3 Exhibit C - Defendants' Brief in Support of Notice of Removal, # 4 Exhibit D - Defendants' Notice of Removal to State Court, # 5 Civil Cover Sheet, # 6 Defendants' Certificate of Interested Parties)(Bramlett, Payton)(jaw). (Entered: 08/16/2017)	
2123	08/16/2017	CIVIL ACTION NO. 1:17-CV-3104-CAP 446 42:12101; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Holt, Dakota vs. Clipper Petroleum, Inc.. Filing fee $ 400, receipt number 113E-7329794. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Clipper Petroleum, Inc., # 3 Summons as to Defendant Jasara, Inc.)(Ehrlich, Craig)(jaw). (Entered: 08/16/2017)	
2124	08/16/2017	INJ CIVIL ACTION NO. 1:17-CV-3105-TWT 220 28:1444; NO E-SUMMONS Case Initiating Documents-Notice of Removal, The Estate of Caldwell Jones, Jr. vs. Live Well Financial, Inc.. Filing fee $ 400, receipt number 113E-7329812. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Civil Cover Sheet)(Flynn, Steven)(jaw). (Entered: 08/16/2017)	
2125	08/16/2017	CIVIL ACTION NO. 1:17-CV-3108-LMM 422 28:0158; NO E-SUMMONS ISSUED. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 17-58008-wlh. Notice of Appeal filed 8/15/2017 from Order entered 6/2/2017 by Appellant Victor Colson. Fee Paid: No. (Attachments: # 1 NOA-doc19, # 2 Order-doc13, # 3 Waiver-doc20, # 4 Docket Report)(Lugo, Yahaira)(jaw). (Entered: 08/16/2017)	
2126	08/16/2017	CIVIL ACTION NO. 1:17-CV-3109-RWS JSA 442 42:2000sx; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Lindsay Johnson vs. Anjali Hotel Management, Inc.. Filing fee $ 400, receipt number 113E-7330339. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Cleveland, William)(jaw). (Entered: 08/16/2017)	
2127	08/16/2017	CIVIL ACTION NO. 1:17-CV-3111-TCB JSA 480 15:1692; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jeff Smith vs. Greene & Cooper LLP. Filing fee $ 400, receipt number 113E-7330450. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Certificate of Interested Parties, # 3 Summons to Greene & Cooper LLP, # 4 Summons to Main Street Acquisition Corp)(Nelson, John)(jaw). (Entered: 08/16/2017)	

#	Date	Proceeding Text	Source
2128	08/16/2017	CIVIL ACTION NO. 1:17-CV-3112-SCJ JCF 220 28:1444; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Terrance Conner vs. Nationstar Mortgage LLC. Filing fee $ 400, receipt number 113E-7330473. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Rhadans, Allison)(jaw). (Entered: 08/16/2017)	
2129	08/16/2017	CIVIL ACTION NO. 1:17-CV-3113-AT 110 28:1335; SIX E-SUMMONS ISSUED. Case Initiating Documents-Complaint American General Life Insurance Company vs. Mudasiru A. Adeyemo. Filing fee $ 400, receipt number 113E-7330377. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons - Mudasiru A. Adeyemo, # 3 Summons Summons - Ayodele Adeyemo, # 4 Summons Summons - Mudasiru O. Adeyemo, # 5 Summons Summons - Anjola Adeyemo, # 6 Summons Summons - Daniel Miller, # 7 Summons Summons - Life Advance, LLC, # 8 Exhibit Exh. A - AIG Life Ins. App, # 9 Exhibit Exh. B - Select Pages of Policy and App, # 10 Exhibit Exh. C - Signature Page of Policy, # 11 Exhibit Exh. D - Change of Beneficiary Form 09-12-16, # 12 Exhibit Exh. E - Change of Beneficiary Form 10-07-16, # 13 Exhibit Exh. F - Policy and Purchase Agreement, # 14 Exhibit Exh. G - Benef Consent to Assign or Transfer Policy, # 15 Exhibit Exh. H - Ltr to AIG re Change of Ownership Forms, # 16 Exhibit Exh. I - Endorsement for Policy, # 17 Exhibit Exh. J - Policy Pwner's Ltr to AIG to Request Duplicate Policy, # 18 Exhibit Exh. K - AIG Ltr to Policy Owner Fw Duplicate of Policy, # 19 Exhibit Exh. L - Pwner Sale & Assignment Agreement, # 20 Exhibit Exh. M - Ltr to AIG with Change of Ownership and Change of Bene Forms, # 21 Exhibit Exh. N - AIG Ltr to Policy Owner FW Endorsement for Policy, # 22 Exhibit Exh. O - Ltr From M. Adeyemo to AIG re Fraudulent Claim)(Johnson, Tawana) (jaw). (Entered: 08/16/2017)	
2130	08/16/2017	CIVIL ACTION NO. 1:17-CV-3115-ELR CMS 371 15:1601; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Samuel L. Ghee vs. JPMorgan Chase Bank, N.A.. Filing fee $ 400, receipt number 113E-7330514. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Hansen, Brian)(jaw). (Entered: 08/16/2017)	
2131	08/16/2017	CIVIL ACTION NO. 1:17-CV-3116-CAP 710 29:0216b. One (1) e-summons issued. Civil cover sheet not attached, atty Orlando contacted on 8/17/17 by dmb and directed to submit in case assigned. Case Initiating Documents-Complaint James McKinney vs. The Cheesecake Factory. Filing fee $ 400, receipt number 113E-7330648. (Attachments: # 1 Exhibit Consent to Sue, # 2 Summons Proposed Summons)(Orlando, Roger) (akr). (Entered: 08/16/2017)	
2132	08/16/2017	MISCELLANEOUS CASE NO. 1:17-MI-0066-LMM JSA 890 frcp45b. NO E-SUMMONS ISSUED. CIVIL COVER SHEET NOT ATTACHED, ATTY HAWKINS CONTACTED ON 8/17/17 BY dmb AND DIRECTED TO SUBMIT IN CASE ASSIGNED. Case Initiating Documents-Miscellaneous (Motion to Quash), Erma Hightower vs. George Goldberg. Filing fee $ 47, receipt number 113E-7330769. (Attachments: # 1 Brief, # 2 Exhibit Subpoena, # 3 Exhibit Subpoena, # 4 Text of Proposed Order, # 5 Text of Proposed Order Proposed Order to Stay)(Hawkins, Jonathan) (akr). (Entered: 08/16/2017)	
2133	08/17/2017	CIVIL ACTION NO. 1:17-cv-3117-TCB JKL 480 15:1681. No E-Summons issued. Case Initiating Documents-Complaint Stephen Meier vs. Equifax Information Services, LLC and Selene Finance, L.P.,. Filing fee $ 400, receipt number 113E-7331292. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) (akr).	

#	Date	Proceeding Text	Source
		(Entered: 08/17/2017)	
2134	08/17/2017	CIVIL ACTION NO. 1:17-cv-3118-AT LTW 480 15:1681. No E-summons issued. Case Initiating Documents-Complaint Barry Lewis Price and Candy Rutland Price vs. Equifax Information Services, LLC and Regions Bank (Inc.) (Alabama) a/k/a and d/b/a Regions Mortgage. Filing fee $ 400, receipt number 113E-7331313. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam) (akr). (Entered: 08/17/2017)	
2135	08/17/2017	CIVIL CASE NO. 1:17-cv-3119-SCJ AJB 15:1681. No E-Summons issued. Case Initiating Documents-Complaint William Kent Walker vs. Equifax Information Services, LLC and Seterus, Inc.,. Filing fee $ 400, receipt number 113E-7331323. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam) (akr). (Entered: 08/17/2017)	
2136	08/17/2017	CIVIL ACTION NO. 1:17-cv-3120-LMM JFK 863 42:0405wc. E-summons not issued. Case initiating documents- Complaint Jimmy Peek vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles) Summons will be e-issued by docket clerk upon IFP approval. (akr). (Entered: 08/17/2017)	
2137	08/17/2017	CIVIL ACTION NO. 1:17-cv-3121-SCJ JCF 442 42:2000ra. No E-Summons Issued. Case Initiating Documents-Complaint EQUAL EMPLOYMENT OPPORTUNITY COMMISSION vs. LIFE UNIVERSITY, INC.. No payment received. (Attachments: # 1 Civil Cover Sheet)(Edwards, Ottrell) (akr). (Entered: 08/17/2017)	
2138	08/17/2017	CIVIL ACTION NO 1:17-CV-3122-MHC 710 29:0216b. ONE (1) E-Summons issued. Case Initiating Documents-Complaint Darin Johnson vs. Advanced Diabetic Solutions, LLC. Filing fee $ 400, receipt number 113E-7332009. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Sneed, Robert) (akr). (Entered: 08/17/2017)	
2139	08/17/2017	CIVIL ACTION NO 1:17-cv-3123-ELR 710 29:0216b. One (1) E-summons issued. Case Initiating Documents-Complaint Donald Parish vs. Advanced Diabetic Solutions, LLC. Filing fee $ 400, receipt number 113E-7332044. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Sneed, Robert) (akr). (Entered: 08/17/2017)	
2140	08/17/2017	CIVIL ACTION NO. 1:17-cv-3125-WSD 350 28:1441mv. No E-summons issued. Civil cover sheet not attached. Atty McDaniel contacted on 8/17/2017 by dmb and directed to resubmit in case assigned. Case Initiating Documents-Notice of Removal, Michelle A. Johnson vs. Rico Montgomery. Filing fee $ 400, receipt number 113E-7332228. (Attachments: # 1 Brief)(McDaniel, Charles) (akr). (Entered: 08/17/2017)	
2141	08/17/2017	CIVIL ACTION NO 1:17-cv-3126-TCB 360 28:1441pi. No E-summons issued. Case Initiating Documents-Notice of Removal, Patricia Robinson vs. QuikTrip Corporation. Filing fee $ 400, receipt number 113E-7333035. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Answer)(Hurley, Kathleen)(akr). (Entered: 08/17/2017)	
2142	08/17/2017	CIVIL ACTION NO. 1:17-CV-3127-WSD CMS 751 29:2601. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Markee Thompson vs. First Data Corporation. Filing fee $ 400, receipt number 113E-7333567. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Wein, Michelle)(smw). (Entered: 08/17/2017)	
2143	08/18/2017	CIVIL ACTION NO. 1:17-CV-3128-TCB JKL 751 29:2601. ONE E-	

#	Date	Proceeding Text	Source
		SUMMONS ISSUED. Case Initiating Documents-Complaint Rosa Peppers vs. Fulton County Board of Education. Filing fee $ 400, receipt number 113E-7333890. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Lakraj, Adeash) (smw). (Entered: 08/18/2017)	
2144	08/18/2017	CIVIL ACTION NO. 1:17-CV-3129-AT JFK 442 42:1981ra. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jerome Nisbett vs. Brown Security & Leo Management Inc. d/b/a Southern Protection Agency. Filing fee $ 400, receipt number 113E-7334067. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Lakraj, Adeash)(smw). Modified on 8/18/2017 (smw). (Entered: 08/18/2017)	
2145	08/18/2017	CIVIL ACTION NO. 1:17-CV-3130-LMM 350 28:1441mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Franklin Metayer vs. Great West Casualty Company. Filing fee $ 400, receipt number 113E-7334366. (Attachments: # 1 Exhibit Answer to complaint, # 2 Exhibit Corporate Disclosure Statement, # 3 Civil Cover Sheet Civil Cover Sheet, # 4 Exhibit Ex. A - State Court file with complaint)(Gupta, Suneel)(smw). (Entered: 08/18/2017)	
2146	08/18/2017	CIVIL ACTION NO. 1:17-CV-3131-MHC 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Teresa Hampton vs. Wal-Mart Stores, Inc.. Filing fee $ 400, receipt number 113E-7334698. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Demand Letter, # 3 Exhibit B - State Court Pleadings)(Lessinger, Howard)(smw). (Entered: 08/18/2017)	
2147	08/18/2017	CIVIL ACTION NO. 1:17-CV-3132-MHC 422 28:0158. NO E-SUMMONS ISSUED. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 17-53337-crm. Notice of Appeal filed 8/17/17 from Order entered 8/9/17 by Appellant Jacquelin T Dawes. Fee Paid: No. (Attachments: # 1 NOA-doc43, # 2 Order-doc40, # 3 Docket Report)(Lugo, Yahaira)(smw). . (Entered: 08/18/2017)	
2148	08/18/2017	CIVIL ACTION NO. 1:17-CV-3133-ELR 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint LATARSHA LAWRENCE vs. ONEMAIN FINANCIAL GROUP, LLC. Filing fee $ 400, receipt number 113E-7334763. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Summons)(Gomez, Octavio)(smw). (Entered: 08/18/2017)	
2149	08/18/2017	CIVIL ACTION NO. 1:17-CV-3134-ODE RGV 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Calvin Prioleau, Jr., vs. Equifax Information Services, LLC and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7334865. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam)(smw). (Entered: 08/18/2017)	
2150	08/18/2017	CIVIL ACTION NO. 1:17-CV-3136-RWS 370 28:1331fr. SIX E-SUMMONS ISSUED. Case Initiating Documents-Complaint Michael Fuqua, as Receiver for the assets of Zhunrize, Inc. vs. Vodaware, Inc.. Filing fee $ 400, receipt number 113E-7335034. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Exhibit G, # 8 Exhibit H, # 9 Exhibit I, # 10 Exhibit J, # 11 Exhibit K, # 12 Civil Cover Sheet, # 13 Summons to Vodaware, Inc., # 14 Summons to Vodaplex, Inc., # 15 Summons to Vodaplex, LLC, # 16 Summons to Wilhelm Berger, # 17 Summons to Jeffery Todd Spencer, # 18 Summons to Sophie Pan)(Ferebee, Ann)(smw). (Entered: 08/18/2017)	
2151	08/18/2017	CIVIL ACTION NO. 1:17-CV-3137-CAP 140 28:1332ni. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint	

#	Date	Proceeding Text	Source
		Branch Banking and Trust Company vs. Stephen Hall. Filing fee $ 400, receipt number 113E-7335176. (Attachments: # 1 Exhibit A - Promissory Note, # 2 Exhibit B - Notice of Default, # 3 Summons Stephen Hall, # 4 Civil Cover Sheet)(Levy, Brian) (smw). (Entered: 08/18/2017)	
2152	08/18/2017	CIVIL ACTION NO. 1:17-CV-3138-TWT LTW 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Marlana Sharpe vs. Nancy A. Berryhill, Acting Commissioner of SSA. No payment received. (Attachments: # 1 Pauper Proposed Order, # 2 Complaint, # 3 Civil Cover Sheet, # 4 Summons - U.S. Attorney, # 5 Summons - OGC, # 6 Summons - Attorney General)(Martin, Charles)E-SUMMONS WILL BE ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 08/18/2017)	
2153	08/18/2017	CIVIL ACTION NO. 1:17-CV-3139-AT 625 21:0881. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint United States of America vs. $16,379.29 In Funds. No payment received. (Attachments: # 1 Civil Cover Sheet)(Brown, Michael)(smw). (Entered: 08/18/2017)	
2154	08/18/2017	CIVIL ACTION NO. 1:17-CV-3140-SCJ 840 28:1338cp. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint BuildingReports.com, Inc. vs. Honeywell International, Inc.. Filing fee $ 400, receipt number 113E-7335366. (Attachments: # 1 Exhibit A to Complaint, # 2 Exhibit B to Complaint, # 3 Exhibit C to Complaint, # 4 Exhibit D to Complaint, # 5 Exhibit E to Complaint, # 6 Exhibit F to Complaint, # 7 Exhibit G to Complaint, # 8 Exhibit H to Complaint, # 9 Exhibit I to Complaint, # 10 Exhibit J to Complaint, # 11 Civil Cover Sheet, # 12 Summons)(Kertscher, Douglas)(smw). (Entered: 08/18/2017)	
2155	08/18/2017	CIVIL ACTION NO. 1:17-CV-3140-SCJ. SUBMISSION of additional attachments re: 2154 Case Initiating Documents-Complaint,,. (Kertscher, Douglas) (smw). (Entered: 08/18/2017)	
2156	08/18/2017	CIVIL ACTION NO. 1:17-CV-3141-LMM 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Tyrone Stanton vs. Jones Lange LaSalle Americas, Inc.. Filing fee $ 400, receipt number 113E-7335484. (Attachments: # 1 Exhibit State Court Action, # 2 Exhibit Affidavit, # 3 Civil Cover Sheet Civil Cover Sheet)(Nelson, Zachary) (smw). (Entered: 08/18/2017)	
2157	08/18/2017	CIVIL ACTION NO. 1:17-CV-3143-ELR 710 29:0216b. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Cassandra Perry vs. Wireless Time Georgia, LLC. Filing fee $ 400, receipt number 113E-7336057. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Vaughn, Christopher)(smw). (Entered: 08/18/2017)	
2158	08/18/2017	CIVIL ACTION NO. 1:17-CV-3144-ODE 480 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sandra Harris vs. Credit One Bank, NA.. Filing fee $ 400, receipt number 113E-7336044. (Attachments: # 1 Civil Cover Sheet Civil Cover, # 2 Summons Summons, # 3 Supplement Cert. Of Interested Persons, # 4 Affidavit Aff. Harris, # 5 Exhibit Ex. A, # 6 Exhibit Ex. B)(Prado, David)(smw). (Entered: 08/18/2017)	
2159	08/18/2017	CIVIL ACTION NO. 1:17-CV-3146-TWT JSA 480 15:1681; THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Pamela L. Thomas vs. Trans Union, LLC. Filing fee $ 400, receipt number 113E-7336494. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Trans Union, LLC, # 3 Summons Innovis Data Solutions, Inc., # 4 Summons Wells Fargo Bank, N.A.)(Dorsen, Clifton)(jaw). (Entered: 08/18/2017)	

#	Date	Proceeding Text	Source
2160	08/18/2017	CIVIL ACTION NO. 1:17-CV-3147-AT 385 28:1441pdl; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Lorraine Blacks vs. Titeflex Corporation. Filing fee $ 400, receipt number 113E-7336588. (Attachments: # 1 Exhibit, # 2 Civil Cover Sheet)(Ellis, Philippa)(jaw). (Entered: 08/18/2017)	
2161	08/18/2017	CIVIL ACTION NO. 1:17-CV-3148-SCJ JCF 480 15:1692; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Mark Travnik vs. National Credit Systems, Inc.. Filing fee $ 400, receipt number 113E-7336647. (Attachments: # 1 Exhibit Exhibit A - Aug. 19, 2016 Letter, # 2 Civil Cover Sheet, # 3 Summons)(Carter, Marques)(jaw). (Entered: 08/18/2017)	
2162	08/18/2017	CIVIL ACTION NO. 1:17-CV-3149-LMM CMS 480 15:1692; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Matthew Lewis vs. Convergent Outsourcing Inc. Filing fee $ 400, receipt number 113E-7336763. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Convergent, # 3 Exhibit A - 2016-9-22 - Letter from Convergent)(Carlson, Clifford)(jaw). (Entered: 08/18/2017)	
2163	08/20/2017	CIVIL ACTION NO. 1:17-CV-3150-LMM 446 42:12101; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Roy Munn vs. Northside Hospital. Filing fee $ 400, receipt number 113E-7336852. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Monismith, Pete)(jaw). (Entered: 08/20/2017)	
2164	08/21/2017	CIVIL ACTION NO. 1:17-CV-3151-MHC 360 28:1441pi; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Christine Bowen vs. Variety Wholesalers, Inc. d/b/a Maxway. Filing fee $ 400, receipt number 113E-7336901. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Demand Letter, # 3 Exhibit B - State Court Pleadings)(Lessinger, Howard)(jaw). (Entered: 08/21/2017)	
2165	08/21/2017	CIVIL ACTION NO. 1:17-CV-3159-ODE JFK 480 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Craig Palmer vs. Carter-Young, Inc. and Retail Merchants Association, Inc. d/b/a Credit Bureau of Louisiana. Filing fee $ 400, receipt number 113E-7339246. (Attachments: # 1 Civil Cover Sheet)(Klein, Adam)(dmb). (Entered: 08/21/2017)	
2166	08/21/2017	CIVIL ACTION NO. 1:17-CV-3160-CAP LTW 480 15:1692. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Malik Asante vs. Baylor & Connor, Inc.. Filing fee $ 400, receipt number 113E-7339279. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Exhibit Exhibit A, # 4 Exhibit Exhibit B)(Mason, Jonathan) (dmb). (Entered: 08/21/2017)	
2167	08/21/2017	CIVIL ACTION NO. 1:17-cv-3161-WSD 791 28:1335. Three (3) E-Summons issued. Case Initiating Documents-Complaint United Parcel Service Co. vs. Megan Berry. Filing fee $ 400, receipt number 113E-7339299. (Attachments: # 1 Exhibit 1 - 401(k) Plan, # 2 Exhibit 2 - MPP Plan, # 3 Exhibit 3 - Orders, # 4 Exhibit 4 - Docs Re Defendants, # 5 Exhibit 5 - July 13, 2017 Letter, # 6 Summons to Megan Berry, # 7 Summons to Josh Berry, # 8 Summons to Lisa Berry, # 9 Civil Cover Sheet, # 10 Plaintiff's Certificate of Interested Persons and Corporate Disclosure Statement)(McDonald, John) (dmb). (Entered: 08/21/2017)	
2168	08/21/2017	CIVIL ACTION NO. 1:17-cv-3162-SCJ 710 29:0216b. No E-Summons issued. No civil cover sheet. Atty contacted by DMB to submit in case assigned. Case Initiating Documents-Complaint Carlos Hernandez vs. Super Mercado Jalisco, Inc.. Filing fee $ 400, receipt number 113E-7339389. (Attachments: # 1 Appendix Consent Forms - Hernandez and Rojas-Salazar)(Thomas, Brandon)(dmb). (Entered: 08/21/2017)	

#	Date	Proceeding Text	Source
2169	08/22/2017	CIVIL ACTION NO. 1:17-cv-3165-ELR AJB 442 42:2000ot. No E-Summons issued. Case Initiating Documents-Complaint EQUAL EMPLOYMENT OPPORTUNITY COMMISSION vs. LINCOLN CEMETERY, INC.. No payment received. (Attachments: # 1 Civil Cover Sheet)(Edwards, Ottrell)(dmb). (Entered: 08/22/2017)	
2170	08/22/2017	CIVIL ACTION NO. 1:17-CV-3169-ODE RGV 442 42:1981ra. Two (2) E-Summons issued. Case Initiating Documents-Complaint Gretchen Colon vs. YSC(Americas), Inc.. Filing fee $ 400, receipt number 113E-7340588. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Young Samuel Chambers, Ltd., # 3 Summons YSC(Americas), Inc.)(Stone, Benjamin) (dmb). (Entered: 08/22/2017)	
2171	08/22/2017	2:17-cv-176-RWS-JCF 15:1692/480 DOCUMENTS FILED IN INCORRECT DIVISION SHELL CASE. DOCUMENTS FORWARDED TO GAINESVILLE DIVISION ON 8/22/2017 BY DMB. Case Initiating Documents-Complaint William Beede vs. CAB Business Development Center, Inc. f/k/a CAB Collection Agency, Inc.,. Filing fee $ 400, receipt number 113E-7340738. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) (dmb). Modified on 8/28/2017 (dgr). (Entered: 08/22/2017)	
2172	08/22/2017	CIVIL ACTION NO. 1:17-CV-3171-WSD WEJ 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Cathy Lynn Kruse vs. Equifax Information Services, LLC and Ocwen Loan Servicing, LLC. Filing fee $ 400, receipt number 113E-7340774. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew) (dmb). (Entered: 08/22/2017)	
2173	08/22/2017	CIVIL ACTION NO 1:17-cv-3172-AT 791 29:1132. No E-Summons issued. Case Initiating Documents-Complaint Cilicia DeLaFuente vs. Unum Life Insurance Company of America. Filing fee $ 400, receipt number 113E-7340968. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet)(Karrh, Heather)(dmb). (Entered: 08/22/2017)	
2174	08/22/2017	CIVIL ACTION NO 1:17-cv-3174-WSD 890 47:0227. One (1) E-Summons issued. Case Initiating Documents-Complaint SPENCER HARRIS vs. EXETER FINANCE LLC. Filing fee $ 400, receipt number 113E-7341187. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Summons)(Gomez, Octavio)(dmb). (Entered: 08/22/2017)	
2175	08/22/2017	CIVIL ACTION NO. 1:17-CV-3175-AT RGV 480 15:1681. No E-Summons issued. Case Initiating Documents-Complaint Veronica B. Thibodeaux vs. Equifax Information Services, LLC and MidFirst Bank a/k/a and d/b/a Midland Mortgage. Filing fee $ 400, receipt number 113E-7341254. (Attachments: # 1 Civil Cover Sheet)(Berry, Matthew)(dmb). (Entered: 08/22/2017)	
2176	08/22/2017	CIVIL ACTION NO. 1:17-CV-3178-TWT JCF 445 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tiffany Payton vs. Grady Memorial Hospital Corporation. Filing fee $ 400, receipt number 113E-7342117. (Attachments: # 1 Exhibit EEOC Right To Sue, # 2 Summons, # 3 Civil Cover Sheet)(Mattress, Tremain)(smw). (Entered: 08/22/2017)	
2177	08/22/2017	CIVIL ACTION NO. 1:17-CV-3179-RWS CMS 442 42:2000ra. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Veronica Richardson vs. Georgia Board of Regents. Filing fee $ 400, receipt number 113E-7342146. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Attachment 1, # 3 Exhibit Attachment 2, # 4 Affidavit Verification)(Voyles, James) (smw). (Entered: 08/22/2017)	
2178	08/22/2017	CIVIL ACTION NO. 1:17-CV-3180-WSD JKL 442 42:2000ot. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint	

#	Date	Proceeding Text	Source
		LaCresa N. Hooks vs. Linette Copemann. Filing fee $ 400, receipt number 113E-7342173. (Attachments: # 1 Exhibit Exhibit A, # 2 Civil Cover Sheet, # 3 Summons)(Hornsby, Kristie) SUMMONS NOT E-ISSUED DUE TO ATTY ADDRESS IN WRONG LOCATION AND DEFENDANT ADDRESS OMITTED CONTACTED ATTY HORNSBY ON 08/23/2017 BY SWBY AND INFORMED THE ATTY TO RESUBMIT THE SUMMONS ONCE THE CASE IS OPEN (smw). (Entered: 08/22/2017)	
2179	08/22/2017	CIVIL ACTION NO. 1:17-CV-3181-SCJ 367 28:1332pl. FIVE E-SUMMONS ISSUED. Case Initiating Documents-Complaint WENDY SHARP, Individually and as Administrator of the Estate of MILTON SHARP vs. ST. JUDE MEDICAL, S.C., INC.. Filing fee $ 400, receipt number 113E-7342199. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons - St. Jude Medical, S.C., Inc., # 3 Summons Summons - St. Jude Medical, Inc., # 4 Summons Summons - PaceSetter, # 5 Summons Summons - St. Jude Medical(smw). (Entered: 08/22/2017)	
2180	08/23/2017	CIVIL ACTION NO. 1:17-CV-3185-LMM AJB 863 42:0405wc. NO E-SUMMONS ISSUED Case Initiating Documents-Complaint GILBERT PEREZ-ROMERO vs. NANCY A. BERRYHILL, Acting Comm'r of Social Security. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Motion to file IFP, # 3 IFP Application, # 4 Summons Defendant, # 5 Summons US Atty, # 6 Summons Atty Gen)(Hogan, John)SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 08/23/2017)	
2181	08/23/2017	CIVIL ACTION NO: 1:17-CV-3186-CAP 422 28:0158. NO E-SUMMONS ISSUED. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 17-61081-jrs. Notice of Appeal filed 8/22/17 from Order entered 7/21/17 by Appellant Carla Folsom. Fee Paid: No. (Attachments: # 1 NOA-doc20, # 2 Order-doc15, # 3 waiver-doc21, # 4 docket report)(Lugo, Yahaira)(smw). (Entered: 08/23/2017)	
2182	08/23/2017	CIVIL ACTION NO. 1:17-CV-3189-SCJ 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Edward Coggon vs. Fry's Electronics, Inc.. Filing fee $ 400, receipt number 113E-7343517. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit, # 7 Declaration of Michael Miller, # 8 Civil Cover Sheet)(Miller, Michael)(smw). (Entered: 08/23/2017)	
2183	08/23/2017	CIVIL ACTION NO. 1:17-CV-3190-LMM 820 28:1338cp. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Harold Davis vs. Home Design Expo Inc.. Filing fee $ 400, receipt number 113E-7343575. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Civil Cover Sheet, # 5 Summons)(Rothman, Joel)(smw). (Entered: 08/23/2017)	
2184	08/23/2017	CIVIL ACTION NO. 1:17-CV-3192-ELR 110 28:1441in. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Tracey Greene-Ali, Shukar Ali and Ishara Ali vs. Travelers Home and Marine Insurance Company and Marla Sharlow, employee/agent jointly and severally. Filing fee $ 400, receipt number 113E-7343798. (Attachments: # 1 Exhibit Ex A - summons and complaint, # 2 Exhibit Ex B - state court answer, # 3 Exhibit Ex C - waivers of service of summons, # 4 Exhibit Ex D - notice of removal to state court, # 5 Supplement Federal Court Answer, # 6 Civil Cover Sheet civil cover sheet)(Karabinos, Karen)(smw). (Entered: 08/23/2017)	
2185	08/23/2017	CIVIL ACTION NO. 1:17-CV-3193-TWT 110 28:1441in. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Kennesaw Pointe Professional Center, LLC vs. Home-Owners Insurance Company. Filing fee $ 400, receipt number	

#	Date	Proceeding Text	Source
		113E-7344008. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit --Certificate, # 3 Exhibit --Federal Court Answer, # 4 Exhibit --Summons & Complaint, # 5 Exhibit --Complaint Ex. A, # 6 Exhibit --Complaint Ex. B, # 7 Exhibit --Complaint Ex. C, # 8 Exhibit --Affidavit of Service, # 9 Exhibit --State Court Answer As Filed, # 10 Exhibit --Notice of Filing Removal As Filed)(Dietrichs, Mark) (smw). (Entered: 08/23/2017)	
2186	08/23/2017	CIVIL ACTION NO. 1:17-CV-3194-SCJ 350 28:1441mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Kwame Essuon vs. David Green. Filing fee $ 400, receipt number 113E-7344160. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A to the Notice of Removal, # 3 Exhibit B to the Notice of Removal, # 4 Exhibit C to the Notice of Removal, # 5 Exhibit D to the Notice of Removal, # 6 Certificate of Interested Persons and Corporate Disclosure Statement)(Bennett, Quinn)(smw). (Entered: 08/23/2017)	
2187	08/23/2017	CIVIL ACTION NO. 1:17-CV-3195-LMM 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Alfred Crea vs. Father John Krzyzawski. Filing fee $ 400, receipt number 113E-7344409. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B, # 3 Exhibit Exhibit C, # 4 Civil Cover Sheet)(Marschalk, Barbara)(smw). (Entered: 08/23/2017)	
2188	08/23/2017	CIVIL ACTION NO. 1:17-CV-3196-AT LTW 442 42:2000ra; ONE E-SUMMONS ISSUED Case Initiating Documents-Complaint Eric Merriweather vs. Tracir Financial Services I, Inc. f/k/a Central Mississippi Credit Corporation. Filing fee $ 400, receipt number 113E-7344528. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Dobson, William)(rlb). (Entered: 08/23/2017)	
2189	08/23/2017	CIVIL ACTION NO. 1:17-CV-3197-MHC JSA 480 15:1692; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint RICHARD DOWE vs. EOS CCA. Filing fee $ 400, receipt number 113E-7344624. (Attachments: # 1 Civil Cover Sheet)(Kurz, Dennis)(rlb). (Entered: 08/23/2017)	
2190	08/23/2017	CIVIL ACTION NO. 1:17-CV-3198-ELR 710 29:0216b; FOUR E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tanya Guzzardo vs. Dollar Tree, Inc.. Filing fee $ 400, receipt number 113E-7344851. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Dollar Tree, Inc., # 3 Summons Dollar Tree Stores, Inc., # 4 Summons Robert Sasser, # 5 Summons Gary Philbin)(Black, David)(rlb). (Entered: 08/23/2017)	
2191	08/23/2017	CIVIL ACTION NO. 1:17-CV-3200-SCJ AJB 445 42:12101; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Yvonne Brown vs. Apple, Inc.. Filing fee $ 400, receipt number 113E-7344878. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Apple, Inc.)(Mew, Thomas)(rlb). (Entered: 08/23/2017)	
2192	08/23/2017	CIVIL ACTION NO. 1:17-CV-3201-TWT 340 28:1441pi; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Kwabena Boakye vs. NCL (Bahamas) Ltd.. Filing fee $ 400, receipt number 113E-7344899. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A-FS Pleadings Filed/Served, # 3 Exhibit B-Demand Letter, # 4 Exhibit C-Notice of Filing Notice of Removal)(Hudgins, Rachel)(rlb). (Entered: 08/23/2017)	
2193	08/23/2017	INJ/TRO CIVIL ACTION NO. 1:17-CV-3202-ELR 220 28:1444; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Steven J. Strelzik vs. U.S. Bank National Association, as Trustee, successor in interest to Bank of America, National Association, as successor by merger to LaSalle Bank, National Association as Trustee for Certificateholders of EMC Mortgage	

#	Date	Proceeding Text	Source
		Loan Trust 2001-A, Mortgage Pass-Through Certificates, Series 2001-A. Filing fee $ 400, receipt number 113E-7344920. (Attachments: # 1 Exhibit 1 - Documents Served Upon SPS, # 2 Exhibit 2 - Other Documents Filed in Superior Court Action, # 3 Civil Cover Sheet)(Dishun, Alexandra)(rlb). (Entered: 08/23/2017)	
2194	08/24/2017	CIVIL ACTION NO. 1:17-CV-3203-AT 791 28:1441er; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Lionel Garcon vs. United Mutual of Omaha Insurance Company. Filing fee $ 400, receipt number 113E-7345577. (Attachments: # 1 Exhibit A - 06.29.17 Plaintiff's Original Petition, # 2 Exhibit B - 06.29.17 Summons, # 3 Exhibit C - 06.29.17 General Civil Case Filing Information Form (Non-Domestic), # 4 Exhibit D - 07.18.17 Sheriff's Entry of Service - Served Toyota 07.14.17, # 5 Exhibit E - 08.08.17 Notice of Proper Service to Defendants, # 6 Exhibit F - 08.14.17 Notice of Proper Service to Defendants, # 7 Exhibit G - 08.21.17 Motion to Re-State Names of Defendants, # 8 Exhibit H - NOR Fulton County Superior Court, # 9 Civil Cover Sheet, # 10 Certificate of Interested Persons and Corporate Disclosure Statement)(Pohlmann, Aaron)(rlb). (Entered: 08/24/2017)	
2195	08/24/2017	CIVIL ACTION NO. 1:17-CV-3204-LMM RGV 445 42:12101; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Dee Dee Atta vs. Worldpay US, Inc.. Filing fee $ 400, receipt number 113E-7345653. (Attachments: # 1 Exhibit Complaint and Summons, # 2 Civil Cover Sheet)(Midence, Adriana)(rlb). (Entered: 08/24/2017)	
2196	08/24/2017	CIVIL ACTION NO. 1:17-CV-3205-MHC JSA 442 42:2000ra; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Lesley Richardson vs. Intile Painting Contractors, Inc.. Filing fee $ 400, receipt number 113E-7345620. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Exhibit A)(Cheng, David)(rlb). (Entered: 08/24/2017)	
2197	08/24/2017	CIVIL ACTION NO. 1:17-CV-3206-ELR JCF 442 42:2000sx; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ilysha Minor vs. Assurgent Medical Solutions, LLC.. Filing fee $ 400, receipt number 113E-7346266. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Mattress, Tremain) (rlb). (Entered: 08/24/2017)	
2198	08/24/2017	CIVIL ACTION NO. 1:17-CV-3208-SCJ JKL 480 15:1692; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Dana Harris vs. IQ Data International, Inc./Rent Collect Global. Filing fee $ 400, receipt number 113E-7346703. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate of Interested Parties)(Lemberg, Sergei)(rlb). (Entered: 08/24/2017)	
2199	08/24/2017	CIVIL ACTION NO. 1:17-CV-3212-WSD 190 28:1441bc; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, VALERIE HOFF vs. PACIFIC AND SOUTHERN, LLC, dba TEGNA. Filing fee $ 400, receipt number 113E-7346908. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Civil Cover Sheet)(Stevens, Robert)(rlb). (Entered: 08/24/2017)	
2200	08/24/2017	CIVIL ACTION NO. 1:17-CV-3213-LMM 710 29:0216b; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tinisia Venable vs. J.W. Logistics, LLC. Filing fee $ 400, receipt number 113E-7347668. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Feldman, Mitchell)(rlb). (Entered: 08/24/2017)	
2201	08/24/2017	CIVIL ACTION NO. 1-17-CV-3215-MHC 350 28:1441mv. No E-summons issued. Case Initiating Documents-Notice of Removal, Donna C. Gonzalez vs. Francisco Y. Benitez Fuentes. Filing fee $	

#	Date	Proceeding Text	Source
		400, receipt number 113E-7347737. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B)(Jones, Kenneth)(dmb). (Entered: 08/24/2017)	
2202	08/24/2017	CIVIL ACTION CASE NO. 1-17-cv-3217-MHC 830 28:1338pt. One (1) E-Summons issued. Case Initiating Documents-Complaint Imerys USA, Inc. vs. Thiele Kaolin Company. Filing fee $ 400, receipt number 113E-7347901. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Civil Cover Sheet, # 6 Summons, # 7 Affidavit Certificate of Interested Persons)(Carron, Virginia)(dmb). (Entered: 08/24/2017)	
2203	08/25/2017	CIVIL ACTION CASE NO. 1:17-CV-3218-CAP 190 28:1441bc. No E-summons issued. Case Initiating Documents-Notice of Removal, GLOBALCOM SERVICES, INC. vs. AXIS TEKNOLOGIES, LLC. Filing fee $ 400, receipt number 113E-7347949. (Attachments: # 1 Exhibit Ex 1 Globalcom Complaint, # 2 Exhibit Ex 2 State Court Notice of Removal to Federal Court, # 3 Civil Cover Sheet USDC Civil Cover Sheet)(Kaiden, Robert)(dmb). (Entered: 08/25/2017)	
2204	08/25/2017	CIVIL ACTION NO. 1:17-CV-3219-ODE 710 29:0216b. One (1) E-Summons issued. One (1) E-Summons not issued because blank. DMB contacted Atty to resubmit in case assigned. Case Initiating Documents-Complaint Gloria Santiago vs. EWS Associates, LLC d/b/a Regency Home Care of North Atlanta. Filing fee $ 400, receipt number 113E-7348199. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Vaughn, Christopher) (dmb). (Entered: 08/25/2017)	
2205	08/25/2017	CIVIL ACTION NO. 1:17-cv-3224-TWT JKL 220 28:1444. No E-summons issued. Case Initiating Documents-Notice of Removal, Brigitta Arnold vs. Nationstar Mortgage LLC. Filing fee $ 400, receipt number 113E-7348684. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet)(Rhadans, Allison)(dmb). (Entered: 08/25/2017)	
2206	08/25/2017	CIVIL ACTION NO. 1:17-CV-3225-TCB 110 28:1441in. No E-Summons issued. Case Initiating Documents-Notice of Removal, Angel Massey vs. State Farm Fire & Casualty Company. Filing fee $ 400, receipt number 113E-7348694. (Attachments: # 1 Exhibit Exhibit A - Affidavit of Sue Winston, # 2 Exhibit Exhibit B - lower court pleadings, # 3 Civil Cover Sheet, # 4 Exhibit Certificate)(Dietrichs, Mark)(dmb). (Entered: 08/25/2017)	
2207	08/25/2017	CIVIL ACTION CASE NO. 1:17-CV-3227-AT 310 28:1346pi. Two(2) E-Summons Issued. Case Initiating Documents-Complaint Cynthia McCaleb, M.D. vs. United States of America. Filing fee $ 400, receipt number 113E-7349501. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons - Atty General, # 3 Summons Summons - US Atty)(Armstrong, E.) (dmb). (Entered: 08/25/2017)	
2208	08/25/2017	CIVIL ACTION CASE NO. 1:17-CV-3229-CAP 110 28:2201in. TWO (2) E-summons issued. Case Initiating Documents-Complaint Navigators Specialty Insurance Company vs. TD Group, LLC. Filing fee $ 400, receipt number 113E-7349575. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Exhibit G, # 8 Exhibit H, # 9 Exhibit I, # 10 Civil Cover Sheet, # 11 Summons to TD Group, LLC, # 12 Summons to CSX Intermodal Terminals, Inc.)(Rigby, Nancy)(dmb). (Entered: 08/25/2017)	
2209	08/25/2017	CIVIL ACTION CASE NO. 1:17-CV-3230-WSD JSA 863 42:0405ww. No E-summons issued. Case Initiating Documents-Complaint Joyce Luann Deal vs. Nancy A. Berryhill. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 In Forma	

#	Date	Proceeding Text	Source
		Pauperis, # 3 Proposed Summons, # 4 Proposed Summons, # 5 Proposed Summons, # 6 Certificate of Interested Parties)(Olinsky, Howard)E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL. (dmb). (Entered: 08/25/2017)	
2210	08/25/2017	CIVIL ACTION CASE NO. 1:17-cv-3231-TCB 360 28:1441pi. No E-summons issued. Case Initiating Documents-Notice of Removal, Debra Price vs. The TJX Companies, Inc.. Filing fee $ 400, receipt number 113E-7349644. (Attachments: # 1 Exhibit Exhibit A-Summons, # 2 Exhibit Exhibit B-Renewed Complaint, # 3 Exhibit Exhibit C-TJX's Notice of Removal, # 4 Civil Cover Sheet Exhibit D-Civil Cover Sheet)(Luskin, Robert) (dmb). (Entered: 08/25/2017)	
2211	08/25/2017	2:17-cv-177-RWS 08:1329/465 DOCUMENTS FILED IN INCORRECT DIVISION SHELL CASE. DOCUMENTS FORWARDED TO GAINESVILLE DIVISION ON 8/25/2017 BY DMB. Asst atty Andrea called to confirm that case is for Gainesville division. Case Initiating Documents-Complaint Elaine Duke vs. Rodrigo Centeno Garcia. Filing fee $ 400, receipt number 113E-7350174. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exhibit 1, # 3 Exhibit Exhibit 2, # 4 Exhibit Exhibit 3, # 5 Exhibit Exhibit 4, # 6 Exhibit Exhibit 5, # 7 Appearance of Counsel, # 8 Summons Duke, # 9 Summons Sessions, # 10 Summons McCament, # 11 Summons Zukowski)(McGrath, Kerry) (dmb). Modified on 8/28/2017 (dgr). (Entered: 08/25/2017)	
2212	08/25/2017	CIVIL ACTION CASE NO. 1:17-CV-3234-ELR 830 28:1338pt. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Universal Transdata, LLC vs. ADATA Technology Co., Ltd.. Filing fee $ 400, receipt number 113E-7350555. (Attachments: # 1 Exhibit A - US Pat No 6,743,030, # 2 Exhibit B - Preliminary Claim Chart, # 3 Civil Cover Sheet, # 4 Summons)(Kent, Daniel)(dmb). (Entered: 08/25/2017)	
2213	08/25/2017	CIVIL ACTION NO. 1:17-CV-3235-ELR 830 28:1138pt. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Universal Transdata, LLC vs. Silicon Power Computer & Communications Inc.. Filing fee $ 400, receipt number 113E-7350751. (Attachments: # 1 Exhibit A - US Pat No 6,743,030, # 2 Exhibit B - Preliminary Claim Chart, # 3 Civil Cover Sheet, # 4 Summons)(Kent, Daniel)(smw). (Entered: 08/25/2017)	
2214	08/25/2017	CIVIL ACTION NO. 1:17-CV-3237-AT 350 28:1441mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Henry Ayers vs. National Indemnity Co.. Filing fee $ 400, receipt number 113E-7350747. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B, # 3 Exhibit Exhibit C, # 4 Exhibit Exhibit D, # 5 Exhibit Exhibit E, # 6 Civil Cover Sheet Civil Cover Sheet)(Cooper, M.)(smw). (Entered: 08/25/2017)	
2215	08/25/2017	CIVIL ACTION NO. 1:17-CV-3239. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tracy L. Chambers vs. Cherokee County. Filing fee $ 400, receipt number 113E-7350801. (Attachments: # 1 Civil Cover Sheet, # 2 Summons to Cerhokee, # 3 Summons to Cooper, # 4 Summons to Thompson)(Hardwick, Clifford)(smw). (Entered: 08/25/2017)	
2216	08/25/2017	CIVIL ACTION NO. 1:17-CV-3240-TCB JFK 442 42:2000ra. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint David Mitchell vs. Scheduling Institute. Filing fee $ 400, receipt number 113E-7350808. (Attachments: # 1 Civil Cover Sheet, # 2 Summons fo Scheduling Institute)(Hardwick, Clifford) (smw). (Entered: 08/25/2017)	
2217	08/27/2017	CIVIL ACTION NO. 1:17-CV-3241-MHC WEJ 480 15:1681. NO E-	

#	Date	Proceeding Text	Source
		SUMMONS ISSUED. Case Initiating Documents-Complaint Jay Rollins Newsome, Sr. and Doris L. Newsome vs. Equifax Information Services, LLC and JPMorgan Chase Bank. Filing fee $ 400, receipt number 113E-7350948. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) Modified on 8/28/2017 (smw). (Entered: 08/27/2017)	
2218	08/27/2017	CIVIL ACTION NO. 1:17-CV-3242-ODE RGV 480 15:1692. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Cristina Landers vs. Second Round Sub, LLC. Filing fee $ 400, receipt number 113E-7350952. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - September 26, 2016 dunning letter, # 3 Exhibit B - Monroe County Complaint, # 4 Exhibit C - Answer Filed in Monroe County Suit, # 5 Exhibit D - August 1, 2017 Letter, # 6 Summons as to Ragan and Ragan, # 7 Summons as to Second Round Limited Partnership, # 8 Summons as to Second Round Sub LLC)(Carlson, Clifford)(smw). (Entered: 08/27/2017)	
2219	08/28/2017	CIVIL ACTION NO. 1:17-CV-3243-CAP 710 29:0216b. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Paul White vs. Granite Telecommunications, LLC. Filing fee $ 400, receipt number 113E-7351088. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Farahany, Amanda)(smw). (Entered: 08/28/2017)	
2220	08/28/2017	CIVIL ACTION NO. 1:17-CV-3244-AT LTW 442 42:1981ra. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Michelle Littles vs. Grand Champion BBQ, LLC. Filing fee $ 400, receipt number 113E-7351168. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Lakraj, Adeash)(smw). (Entered: 08/28/2017)	
2221	08/28/2017	CIVIL ACTION NO. 1:17-CV-3245-SCJ AJB 442 42:2000sx. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Shannon Helms vs. Bolt Solutions, Inc.. Filing fee $ 400, receipt number 113E-7351486. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Myer, Mari)(smw). (Entered: 08/28/2017)	
2222	08/28/2017	CIVIL ACTION NO. 1:17-CV-3246-LMM 710 29:0216b. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Christina Ho vs. Hyang Sook Chung. Filing fee $ 400, receipt number 113E-7351672. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Kim, Brian)(smw). (Entered: 08/28/2017)	
2223	08/28/2017	CIVIL ACTION NO. 1:17-CV-3251-ODE JCF 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Marlene Colon vs. Howe Law Firm P.C. Filing fee $ 400, receipt number 113E-7352187. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Certificate of Interested Parties, # 3 Summons Summons to Howe Law Firm PC)(Nelson, John)(smw). (Entered: 08/28/2017)	
2224	08/28/2017	CIVIL ACTION NO. 1:17-CV-3253-CAP 710 29:0216b. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Johnny Burns vs. Flood Brothers, Inc.. Filing fee $ 400, receipt number 113E-7352237. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Molden-Clowney, Regina)(smw). . (Entered: 08/28/2017)	
2225	08/28/2017	CIVIL ACTION NO. 1:17-CV-3258-TWT 350 28:1441mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Paul Clarke vs. Dana Trull. Filing fee $ 400, receipt number 113E-7353178. (Attachments: # 1 Exhibit Federal Notice to Plaintiff, # 2 Affidavit of Filing in State Court, # 3 Affidavit Atty Verification of Notice of Removal, # 4 Civil Cover Sheet, # 5	

#	Date	Proceeding Text	Source
		Exhibit Consent to Removal)(Keith, Christopher) (smw). (Entered: 08/28/2017)	
2226	08/28/2017	CIVIL ACTION NO. 1:17-CV-3259-AT JFK 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jamie Robinson vs. Receivable Management Group, Inc.. Filing fee $ 400, receipt number 113E-7353255. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Simanovsky, Alexander)(smw). (Entered: 08/28/2017)	
2227	08/28/2017	CIVIL ACTION NO. 1:17-CV-3260-MHC LTW 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jamie Robinson vs. Darnel Quick Recovery, Inc.. Filing fee $ 400, receipt number 113E-7353296. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Simanovsky, Alexander)(smw). (Entered: 08/28/2017)	
2228	08/28/2017	CIVIL ACTION NO. 1:17-CV-3261-ELR 190 28:1332bc; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Heidrick & Struggles, Inc. vs. Katie Bell. Filing fee $ 400, receipt number 113E-7353219. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B, # 3 Summons Summons, # 4 Civil Cover Sheet Civil Cover Sheet)(Gunnemann, Joshua)(rlb). (Entered: 08/28/2017)	
2229	08/28/2017	CIVIL ACTION NO. 1:17-CV-3262-CAP AJB 480 15:1692; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jamie Robinson vs. Allied Collection Services, Inc.. Filing fee $ 400, receipt number 113E-7353405. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Simanovsky, Alexander)(rlb). (Entered: 08/28/2017)	
2230	08/28/2017	CIVIL ACTION NO. 1:17-CV-3263-TWT 440 28:1443; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Sandra Hines vs. Felicia Jefferson. Filing fee $ 400, receipt number 113E-7353497. (Attachments: # 1 Exhibit Consent to Removal, # 2 Exhibit Pleadings Filed - redacted, # 3 Exhibit Notice of Filing Notice of Removal, # 4 Civil Cover Sheet)(Nguyen, Hieu)(rlb). (Entered: 08/28/2017)	
2231	08/28/2017	CIVIL ACTION NO. 1:17-CV-3264-MHC JSA 445 42:12101; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Timothy Hamilton vs. Schneider National Carriers, Inc.. Filing fee $ 400, receipt number 113E-7353616. (Attachments: # 1 Summons of Registered Agent, # 2 Civil Cover Sheet)(Smith, Ian)(rlb). (Entered: 08/28/2017)	
2232	08/28/2017	CIVIL ACTION NO. 1:17-CV-3265-WSD WEJ 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Donald John McLaughlin vs. Equifax Information Services, LLC; and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7353634. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(rlb). (Entered: 08/28/2017)	
2233	08/28/2017	CIVIL ACTION NO. 1:17-CV-3266-TCB JSA 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Roger Lee Canada and Carolyn C. Canada vs. Equifax Information Services, LLC and Seterus, Inc.,. Filing fee $ 400, receipt number 113E-7353637. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(rlb). (Entered: 08/28/2017)	
2234	08/29/2017	CIVIL ACTION NO. 1:17-CV-3267-ELR 446 42:12101; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Holt, Dakota vs. Taco Cantina, LLC. Filing fee $ 400, receipt number 113E-7354611. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Taco Cantina, LLC, # 3 Summons as to Defendant Spring Road Property, LLC)(Ehrlich, Craig)(rlb).	

#	Date	Proceeding Text	Source
		(Entered: 08/29/2017)	
2235	08/29/2017	CIVIL ACTION NO. 1:17-CV-3271-AT 440 42:1983cv; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Robert John White, Jr. vs. Fulton County, Georgia. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons 2 Defendants, # 3 Statement of Material Facts Complaint, # 4 Supplement Attachments to Complaint, # 5 Supplement Pauper's Affidavit, # 6 Supplement Appearance of Counsel)(White, Robert) E-SUMMONS TO BE ISSUED BY DKT CLK UPON IFP APPROVAL.(rlb). (Entered: 08/29/2017)	
2236	08/29/2017	CIVIL ACTION NO. 1:17-cv-3272-AT 422 28:0158; NO E-SUMMONS ISSUED. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 09-90842-crm, ADV case#: 15-5453. Notice of Appeal filed 8/28/17 from Order entered 8/25/17 by Appellant Josephine Graddy. Fee Paid: Yes. USBC Receipt No. 1241986.(Attachments: # 1 NOA-doc97, # 2 Order-doc95, # 3 Docket Report)(Lugo, Yahaira)(rlb). (Entered: 08/29/2017)	
2237	08/29/2017	CIVIL ACTION NO. 1:17-CV-3273-ODE CMS 442 42:2000sx; NO E-SUMMONS. Case Initiating Documents-Complaint Melynda Vallance vs. McLarens. Filing fee $ 400, receipt number 113E-7355212. (Attachments: # 1 Civil Cover Sheet)(Redo, Charlotte)(rlb). (Entered: 08/29/2017)	
2238	08/29/2017	TRO - CIVIL ACTION NO. 1:17-CV-3274-TCB 190 28:1441bc; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal. Filing fee $ 400, receipt number 113E-7355554. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Exhibit B, # 4 Exhibit C, # 5 Exhibit D, # 6 Exhibit F, # 7 Exhibit G)(Kunin, Lawrence) (rlb). (Entered: 08/29/2017)	
2239	08/29/2017	SUBMISSION of additional attachments re: 2238 CIVIL ACTION NO. 1:17-CV-3274-TCB. Case Initiating Documents-Notice of Removal,. (Attachments: # 1 Exhibit E (Part 2 of 2))(Kunin, Lawrence) (rlb). (Entered: 08/29/2017)	
2240	08/29/2017	CIVIL ACTION NO. 1:17-CV-3277-CAP 350 28:1332mv; E-SUMMONS ISSUED AS TO MARCUS J. BUSH. Case Initiating Documents-Complaint Callie D. Roberts vs. AAA Cooper Transportation, Inc.. Filing fee $ 400, receipt number 113E-7355348. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Graham, Charles)(rlb). SECOND E-SUMMONS NOT ISSUED AS TO AAA COOPER DUE TO MULTIPLE ADDRESSES ON SUMMONS. ATTY NOTIFIED THAT SUMMONS CAN BE PROCESSED ONCE CASE OPENS IN PACER USING EVENT NOTICE OF FILING/SERVICE OF SUMMONS AND SUMMONS WILL BE PROCESSED BY DKT CLK.(rlb). (Entered: 08/29/2017)	
2241	08/29/2017	CIVIL ACTION NO. 1:17-CV-3278-SCJ 710 29:0216b; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Christopher Shirley vs. Optimal Hearing Systems, Inc. d/b/a Optimal Hearing. Filing fee $ 400, receipt number 113E-7356139. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Foust, Michael)(rlb). (Entered: 08/29/2017)	
2242	08/29/2017	CIVIL ACTION NO. 1:17-CV-3280-LMM 360 28:1332pi; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint AMANDA CURETON vs. OTB ACQUISITION, LLC d/b/a On the Border Mexican Grill and Cantina. Filing fee $ 400, receipt number 113E-7356233. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Kushel, Glenn)(rlb). (Entered: 08/29/2017)	
2243	08/29/2017	CIVIL ACTION NO. 1:17-CV-3281-ELR 110 28:2201in; THREE E-SUMMONS ISSUED AS TO CROSSCUT TIMBER LLC, HEARD	

#	Date	Proceeding Text	Source
		COUNTY TIMBER INC, AND ANTWAIN DURRELL PERSON. Case Initiating Documents-Complaint National Trust Insurance Company vs. Cristal Cauthen as Administrator of the Estate of Gina Wood Jackson. Filing fee $ 400, receipt number 113E-7356208. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Civil Cover Sheet, # 6 Summons C. Cauthen, # 7 Summons CrossCut, # 8 Summons HTC, # 9 Summons H. Jackson, # 10 Summons K. Hatch, # 11 Summons M. Wood, # 12 Summons A. Person)(Rust, Michael) FOUR E-SUMMONS NOT ISSUED AS TO CRYSTAL CAUTHEN, HOLLIS J. JACKSON, KENNETH DERRICK HATCH, AND MATTHEW SCOTT WOOD DUE TO THE DEFENDANT'S NAME ON THE SUMMONS BEING SPELLED DIFFERENTLY THAN THE DEFENDANTS NAME ON THE COMPLAINT. SUMMONS WILL BE ISSUED BY DKT CLK. ATTY NOTIFIED THAT SUMMONS CAN BE PROCESSED ONCE CASE OPENED IN PACER USING NOTICE OF FILING.(rlb). (Entered: 08/29/2017)	
2244	08/29/2017	CIVIL ACTION NO. 1:17-CV-3282-CAP 110 28:1332in; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint North American Specialty Insurance Company vs. Imani Environmental Group, Inc.. Filing fee $ 400, receipt number 113E-7356479. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons, # 3 Summons Summons, # 4 Exhibit Indemnity Agreement, # 5 Exhibit Bonds)(Wolenski, Joseph)(rlb). (Entered: 08/29/2017)	
2245	08/30/2017	CIVIL ACTION CASE NO. 1:17-cv-3283-TWT 360 28:1441pi. No E-summons issued. Case Initiating Documents-Notice of Removal, Carolyn Burns vs. Wal-Mart Stores East, LP. Filing fee $ 400, receipt number 113E-7357034. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Demand Letter, # 3 Exhibit B - State Court Pleadings)(Lessinger, Howard) (dmb). (Entered: 08/30/2017)	
2246	08/30/2017	CIVIL ACTION CASE NO 1:17-CV-3285-ELR 830 28:1338pt. ONE(1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Universal Transdata, LLC vs. Staples, Inc.. Filing fee $ 400, receipt number 113E-7357384. (Attachments: # 1 Exhibit A - US Pat No 6,743,030, # 2 Exhibit B - Preliminary Claim Chart, # 3 Civil Cover Sheet, # 4 Summons, # 5 Rule 7.1 Corporate Disclosure Statement, # 6 Form AO 120)(Kent, Daniel) (dmb). (Entered: 08/30/2017)	
2247	08/30/2017	CIVIL ACTION CIVIL NO. 1:17-CV-3288-SCJ 380 28:1346pi. One (1) E-Summons issued. Case Initiating Documents-Complaint State Farm Mutual Automobile Insurance Company vs. United States of America. Filing fee $ 400, receipt number 113E-7357741. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Parnell, Ronald) (dmb). (Entered: 08/30/2017)	
2248	08/30/2017	CIVIL ACTION CASE NO. 1:17-cv-3291-MHC JFK 220 28:1444. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Dione Hubbard vs. Nationstar Mortgage LLC. Filing fee $ 400, receipt number 113E-7358182. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet)(Rhadans, Allison)(dmb). (Entered: 08/30/2017)	
2249	08/30/2017	INCORRECT PMT MADE; ATTY LORING CONTACTED ON 8/30/2017 BY DMB AND INFORMED TO REFILE CASE INITIATING DOCS AND PAY CORRECT FILING FEE. Case Initiating Documents-Miscellaneous (Other uncontested ancillary or supplemental proceeding), Xiomara Smith vs. Southern States Bank, Inc.. Filing fee $ 47, receipt number 113E-7358268. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exhibit 1)(Loring, Julie)(dmb). (Entered: 08/30/2017)	

#	Date	Proceeding Text	Source
2250	08/30/2017	CIVIL ACTION CASE NO. 1:17-CV-3292-WSD 710 29:0216b. TWO(2)E-SUMMONS ISSUED. Case Initiating Documents-Complaint Kenessia Beaty vs. OSP Prevention Group, Inc.. Filing fee $ 400, receipt number 113E-7358386. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Farahany, Amanda (dmb). (Entered: 08/30/2017)	
2251	08/30/2017	CIVIL ACTION CASE NO. 1:17-CV-3293-TCB 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Sang Woo Yun vs. Costco Wholesale Corp.. Filing fee $ 400, receipt number 113E-7358428. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Civil Cover Sheet)(Sigman, Janis)(dmb). (Entered: 08/30/2017)	
2252	08/30/2017	CIVIL ACTION NO. 1:17-CV-3294-RWS 410 15:0001. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, ROY A. DAY vs. AT&T MOBILITY, LLC. Filing fee $ 400, receipt number 113E-7358557. (Attachments: # 1 Civil Cover Sheet, # 2 Certificate of Interested Persons and Corporate Disclsoure Statement, # 3 Defendants' Motion to Dismiss, # 4 Memorandum in Support of Defendants' Motion to Dismiss)(Jett, John)(dmb). (Entered: 08/30/2017)	
2253	08/30/2017	CIVIL ACTION NO. 1:17-CV-3295-AT 380 28:1332pd. THREE (3) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Safeco Insurance Company of America a/s/o Todd Green vs. Joia Webb. Filing fee $ 400, receipt number 113E-7358587. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Corporate Disclosure Statement, # 3 Summons Summons for Benny Wright, # 4 Summons Summons for Joia Webb, # 5 Summons Summons for Renate Hall)(Woodhouse, Samuel)(dmb). (Entered: 08/30/2017)	
2254	08/30/2017	CIVIL ACTION NO. 1:17-CV-3296-SCJ 440 42:1983cv. TWO (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Bruce Davis vs. Brian Owens. Filing fee $ 400, receipt number 113E-7358591. (Attachments: # 1 Summons Def Brian Owens, # 2 Summons Def Gregory Dozier, # 3 Civil Cover Sheet)(Ichter, Cary) (dmb). (Entered: 08/30/2017)	
2255	08/30/2017	CIVIL ACTION NO. 1:17-CV-3297-ELR 422 28:0158. NO E-SUMMONS ISSUED. Case Initiating Documents-Bankruptcy Notice of Appeal, USBC Case#: 15-61378-wlh, ADV case#: 15-5331. Notice of Appeal filed 8/29/17 from Order entered 7/21, 8/16, 8/24/2017 by Appellant Girish Modi. Fee Paid: No. (Attachments: # 1 NOA-doc442, # 2 Order-doc404, # 3 Order-doc432, # 4 Order-doc437, # 5 Docket Report)(Lugo, Yahaira)(dmb). (Entered: 08/30/2017)	
2256	08/30/2017	CIVIL ACTION NO. 1:17-CV-3299-LMM 367 28:1332pl. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint MEGHAN COBLER vs. NOVEN PHARMACEUTICALS, INC.. Filing fee $ 400, receipt number 113E-7359491. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Disclosure Statement)(Prieto, Michael)(smw). (Entered: 08/30/2017)	
2257	08/31/2017	CIVIL ACTION NO. 1:17-CV-3303-CAP 710 29:0216b. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint SUSAN MALPHURS vs. ACTIVE PRODUCTION AND DESIGN, INC.. Filing fee $ 400, receipt number 113E-7359982. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Keebaugh, Regan)(smw). (Entered: 08/31/2017)	
2258	08/31/2017	CIVIL ACTION NO. 1:17-CV-3307-MHC CMS 220 28:1444. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Richard H. Walker vs. Countrywide Home Loans Inc.. Filing fee $ 400, receipt number 113E-7360616. (Attachments: # 1	

#	Date	Proceeding Text	Source
		Exhibit A, # 2 Civil Cover Sheet)(Rhadans, Allison)(smw). (Entered: 08/31/2017)	
2259	08/31/2017	CIVIL ACTION NO. 1:17-CV-3308-TCB 791 29:1132. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Zayn Valin vs. JPMorgan Chase & Company Short Term Disability Plan, JPMorgan Chase & Company. Filing fee $ 400, receipt number 113E-7360692. (Attachments: # 1 Exhibit Civil Cover Sheet, # 2 Exhibit Summons Form)(Karrh, Heather)(smw). (Entered: 08/31/2017)	
2260	08/31/2017	CIVIL ACTION NO. 1:17-CV-3310-ELR 110 28:2201in. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Great American E&S Insurance Company vs. Cottrell, Inc.. Filing fee $ 400, receipt number 113E-7361101. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons, # 3 Exhibit Exh. 1 - 2nd Amended Complaint Against Cottrell - Dist. of Oregon)(Johnson, Tawana)(smw). (Entered: 08/31/2017)	
2261	08/31/2017	CIVIL ACTION NO. 1:17-CV-3311-ODE 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Mavis Ormsby vs. Bank of America, N.A.. Filing fee $ 400, receipt number 113E-7361143. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exhibit A to Notice of Removal, # 3 Def. Answer to Plaintiff's Complaint, # 4 Def. Rule 7.1 Disclosure Statement, # 5 Certificate of Interested Persons)(Schulte, David)(smw). (Entered: 08/31/2017)	
2262	08/31/2017	CIVIL ACTION NO. 1:17-CV-3313-WSD CMS 863 42:0405ww. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Omar Sherrod Cochran vs. Nancy A. Berryhill, Acting Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Civil Cover Sheet, # 4 Summons, # 5 Summons, # 6 Summons, # 7 Application to Proceed In Forma Pauperis)(Flynn, Kathleen) SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL (smw). (Entered: 08/31/2017)	
2263	08/31/2017	CIVIL ACTION NO. 1:17-CV-3315-AT 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, James R. Berman vs. World Class Distribution, Inc.. Filing fee $ 400, receipt number 113E-7361328. (Attachments: # 1 Exhibit Exhibit A, # 2 Exhibit Exhibit B, # 3 Exhibit Exhibit C, # 4 Exhibit Exhibit D, # 5 Exhibit Exhibit E, # 6 Exhibit Exhibit F, # 7 Civil Cover Sheet Civil Cover Sheet)(Wedge, Robert)(smw). (Entered: 08/31/2017)	
2264	08/31/2017	CIVIL ACTION NO. 1:17-CV-3316-CAP JKL 442 42:2000sx. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint June Alspach vs. Premium Distributors Inc.. Filing fee $ 400, receipt number 113E-7361709. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons, # 4 Exhibit A, # 5 Exhibit B)(Mixon, J.)(smw). (Entered: 08/31/2017)	
2265	08/31/2017	CIVIL ACTION NO. 1:17-CV-3322-AT 710 29:0216b. ONE E-Summons ISSUED. Case Initiating Documents-Complaint Anna Hurwitz vs. Rheem Manufacturing Company. Filing fee $ 400, receipt number 113E-7362089. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Smith, Ian)(smw). (Entered: 08/31/2017)	
2266	08/31/2017	CIVIL ACTION NO. 1:17-CV-3323-SCJ 350 28:1441mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Toma Ianculovici vs. Tobico Logistics, LLC. Filing fee $ 400, receipt number 113E-7362009. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Summons and Complaint, # 3 Exhibit Answer)(Estes, Brent)(smw). (Entered: 08/31/2017)	
2267	09/01/2017	MISCELLANEOUS CASE NO. 1:17-MI-0068-UNA 690 18:0981;	

#	Date	Proceeding Text	Source
		NO E-SUMMONS ISSUED. Case Initiating Documents-Miscellaneous (Other uncontested ancillary or supplemental proceeding), United States of America vs. $10,593.00 In United States Currency. No payment received. (Attachments: # 1 Text of Proposed Order)(Goss, Dahil)(rlb). (Entered: 09/01/2017)	
2268	09/01/2017	CIVIL ACTION NO. 1:17-CV-3326-LMM 890 05:8715; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Metropolitan Life Insurance Company vs. Antonio Williams. Filing fee $ 400, receipt number 113E-7363197. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Antonio Williams, # 3 Certificate of Interested Persons and Corporate Disclosure Statement)(Crow, Nikole)(rlb). (Entered: 09/01/2017)	
2269	09/01/2017	CIVIL ACTION NO. 1:17-CV-3330-TCB 110 28:1332in; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint LM Insurance Corporation vs. HBJ Masonry, Inc.. Filing fee $ 400, receipt number 113E-7363559. (Attachments: # 1 Summons to HBJ Masonry, # 2 Civil Cover Sheet, # 3 Exhibit LM Insurance Certificate of Interested Persons and Corporate Disclosure Statement)(Crosby, Scott)(rlb). (Entered: 09/01/2017)	
2270	09/01/2017	CIVIL ACTION NO. 1:17-CV-3332-AT AJB 751 29:2601; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint MICHELE WILLIAMS vs. AT&T DIGITAL LIFE, INC.. Filing fee $ 400, receipt number 113E-7363743. (Attachments: # 1 Civil Cover Sheet, # 2 Summons upon AT&T Digital LIfe, Inc., # 3 Exhibit 1. Letter Requesting NRTS, # 4 Exhibit 2. Email to EEOC)(Ragan, Amelia)(rlb). (Entered: 09/01/2017)	
2271	09/01/2017	CIVIL ACTION NO. 1:17-CV-3334-CC 190 28:1332bc; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint SPEND MANAGEMENT EXPERTS, LLC vs. GOGOTECH, INC.. Filing fee $ 400, receipt number 113E-7363640. (Attachments: # 1 Exhibit Master Services Agreement, # 2 Exhibit First Contract SOW, # 3 Exhibit Audit SOW, # 4 Exhibit Second Contract SOW, # 5 Civil Cover Sheet Civil Cover Sheet, # 6 Summons Summons, # 7 Supplement Certificate of Interested Persons and Corporate Disclosure Statement)(Hall, Steven)(rlb). (Entered: 09/01/2017)	
2272	09/01/2017	CIVIL ACTION NO. 1:17-CV-3335-LMM 110 28:2201in; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Safeco Insurance Co. of Indiana vs. David Pearson. Filing fee $ 400, receipt number 113E-7363806. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Summons to David Pearson, # 3 Summons Summons to Elizabeth Pearson, # 4 Exhibit Exhibit A - Policy, # 5 Exhibit Exhibit B - Safeco's Appraisal Letter to Pearson, # 6 Exhibit Exhibit C - 10.27.17 Ltr from Safeco & Def's Response, # 7 Exhibit Exhibit D - 12.16.16 Ltr Pearson-Safeco-Nickerson, # 8 Exhibit Certificate of Interested Persons and Corporate Disclosure Statement)(Watson, Lewis)(rlb). (Entered: 09/01/2017)	
2273	09/01/2017	CIVIL ACTION NO. 1:17-CV-3336-MHC AJB 480 15:1681; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Herschel K. Bailey, IV vs. Six Flags Entertainment Corp.. Filing fee $ 400, receipt number 113E-7363788. (Attachments: # 1 Civil Cover Sheet New Case Civil Cover Sheet, # 2 Summons Summons for Six Flags Entertainment Corp., # 3 Exhibit Exhibit A to Complaint - Visa Alert, # 4 Exhibit Exhibit B to Complaint - American Express Merchant Requirements, # 5 Exhibit Exhibit C to Complaint - MasterCard Requirements)(Wagner, Cynthia) (rlb). (Entered: 09/01/2017)	
2274	09/01/2017	CIVIL ACTION NO. 1:17-CV-3338-ELR 710 29:0216b; TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint BODING LIU vs. FU TAO, INC.. Filing fee $ 400, receipt number	

#	Date	Proceeding Text	Source
		113E-7363868. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Summons to Fu Tao, Inc., # 3 Summons Summons to Tao Zheng)(Keebaugh, Regan)(rlb). (Entered: 09/01/2017)	
2275	09/01/2017	CIVIL ACTION NO. 1:17-CV-3339-CAP 710 29:216b; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint AMANDA NIXON vs. ENVIRONMENTAL RESOURCES MANAGEMENT-SOUTHEAST, INC.. Filing fee $ 400, receipt number 113E-7364045. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Bridgers, Charles)(rlb). (Entered: 09/01/2017)	
2276	09/01/2017	CIVIL ACTION NO. 1:17-CV-3340-TCB 350 28:1441mv; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Wei Gu vs. CEVA Logistics US, Inc.. Filing fee $ 400, receipt number 113E-7364140. (Attachments: # 1 Exhibit A - Affidavit of Brantley C. Rowlen, Esq., # 2 Exhibit B-1 - Complaint and Demand For Trial By Jury, # 3 Exhibit B-2 - Summones, # 4 Exhibit B-3 - Plaintiffs' First Request For Admissions to Defendant CEVA Logistics US, Inc., # 5 Exhibit B-4 - Plaintiffs' First Interrogatories to Defendant CEVA Logistics US, Inc., # 6 Exhibit B-5 - Plaintiffs' First Request For Production of Documents to Defendants CEVA Logistics US Inc., # 7 Exhibit B-6 - Joint Motion to Substitute A Party Defendant, # 8 Exhibit B-7 - Notice of Defendants Written Offer of Settlement to Plaintiff Wei Gu, # 9 Exhibit B-8 - Notice of Defendants Written Offer of Settlement to Plaintiff Dan Wang, # 10 Exhibit B-9 - Defendant American Home Assurance Co.'s Answer and Affirmative Defenses to Plaintiff's Complaint for Damages, # 11 Exhibit B-10 - Defendant Roy Everett Baggett's Answer and Affirmative Defenses to Plaintiff's Complaint for Damages, # 12 Exhibit B-11 - Defendant CEVA Logistics US, Inc.'s Answer and Affirmative Defenses to Plaintiff's Complaint for Damages, # 13 Exhibit C - Defendants' Notice of Filing Notice of Removal (State Ct), # 14 Exhibit D - Defendants' Certification of Notice of Removal, # 15 Exhibit E - Defendants' Notice of Filing Notice of Removal (Fed Ct), # 16 Exhibit F - Notice of Removal to Opposing Counsel, # 17 Civil Cover Sheet Civil Cover Sheet)(Rowlen, Brantley)(rlb). (Entered: 09/01/2017)	
2277	09/01/2017	CIVIL ACTION NO. 1:17-CV-3342-ELR 290 28:1332tl; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Nellie Thomas-Shepard vs. Guardian Automotive Corporation. Filing fee $ 400, receipt number 113E-7364110. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Exhibit B, # 4 Exhibit C, # 5 Exhibit D, # 6 Exhibit E, # 7 Exhibit F, # 8 Exhibit G, # 9 Exhibit H, # 10 Exhibit I, # 11 Exhibit J, # 12 Exhibit K, # 13 Exhibit L, # 14 Exhibit M, # 15 Exhibit N, # 16 Exhibit O, # 17 Exhibit P, # 18 Exhibit Q)(Henderson, Douglas)(rlb). (Entered: 09/01/2017)	
2278	09/01/2017	CIVIL ACTION NO. 1:17-CV-3343-ELR 290 28:1332tl; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Michael Mobley vs. Guardian Automotive Corporation. Filing fee $ 400, receipt number 113E-7364532. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Exhibit B, # 4 Exhibit C, # 5 Exhibit D, # 6 Exhibit E, # 7 Exhibit F, # 8 Exhibit G, # 9 Exhibit H, # 10 Exhibit I, # 11 Exhibit J, # 12 Errata K, # 13 Exhibit L, # 14 Exhibit M, # 15 Exhibit N, # 16 Exhibit O, # 17 Exhibit P, # 18 Exhibit Q)(Henderson, Douglas)(rlb). (Entered: 09/01/2017)	
2279	09/01/2017	CIVIL ACTION NO. 1:17-CV-3345-ELR 240 28:1441tl. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Marion Glen Adams vs. Guardian Automotive Corporation. Filing fee $ 400, receipt number 113E-7364607. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A, # 3 Exhibit B, # 4 Exhibit C, # 5 Exhibit D, # 6 Exhibit E, # 7 Exhibit F, # 8 Exhibit	

#	Date	Proceeding Text	Source
		G, # 9 Exhibit H, # 10 Exhibit I, # 11 Exhibit J, # 12 Exhibit K, # 13 Exhibit L, # 14 Exhibit M, # 15 Exhibit N, # 16 Exhibit O, # 17 Exhibit P, # 18 Exhibit Q)(Henderson, Douglas) (dmb). (Entered: 09/01/2017)	
2280	09/04/2017	CIVIL ACTION NO. 1-17-CV-3346-SCJ 480 47:0227. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Danielle Whatley vs. Crest Financial, Inc.. Filing fee $ 400, receipt number 113E-7364913. (Attachments: # 1 Civil Cover Sheet Civil Cover, # 2 Summons Summons, # 3 Errata Cert of Interested Persons, # 4 Exhibit Ex. A, # 5 Exhibit Ex. B, # 6 Exhibit Ex. C)(Prado, David)(dmb). (Entered: 09/04/2017)	
2281	09/05/2017	CIVIL ACTION NO. 1:17-CV-3347-LMM RGV 480 15:1681. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Reed Ginn vs. E-Verifile.com, Inc.. Filing fee $ 400, receipt number 113E-7364936. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Weiner, Andrew)(dmb). (Entered: 09/05/2017)	
2282	09/05/2017	CIVIL ACTION NO 1:17-CV-3350-SCJ WEJ 442 42:2000ra. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Xiomara Smith vs. Southern States Bank, Inc.. Filing fee $ 400, receipt number 113E-7365255. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exhibit 1)(Loring, Julie)(dmb). (Entered: 09/05/2017)	
2283	09/05/2017	CIVIL ACTION NO. 1:17-CV-3351-CC JSA 480 15:1692. TWO (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint David Prado vs. Simms Associates, Inc.. Filing fee $ 400, receipt number 113E-7365427. (Attachments: # 1 Summons Simms Associates, Inc., # 2 Summons Gregory Simendinger, # 3 Civil Cover Sheet Civil Cover, # 4 Errata Certificate of Interested Persons, # 5 Affidavit aff. Prado, # 6 Exhibit Ex. 1, # 7 Exhibit Ex. 2, # 8 Exhibit Ex. 3., # 9 Exhibit Ex. 4)(Prado, David)(dmb). (Entered: 09/05/2017)	
2284	09/05/2017	CIVIL ACTION NO 1:17-CV-3352-CAP JKL 863 42:0405wc. THREE (3) ESUMMONS ISSUED. Case Initiating Documents-Complaint Raymond Payne vs. Nancy A. Berryhill, Acting Commissioner of SSA. Filing fee $ 400, receipt number 113E-7365799. (Attachments: # 1 Civil Cover Sheet, # 2 Summons - U.S. Attorney, # 3 Summons - OGC, # 4 Summons - Attorney General)(Martin, Charles)(dmb). (Entered: 09/05/2017)	
2285	09/05/2017	CIVIL ACTION NO 1:17-CV-3353-ELR 710 29:0216b. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Kelly Napier vs. Wireless Time Georgia, LLC. Filing fee $ 400, receipt number 113E-7366100. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Vaughn, Christopher)(dmb). (Entered: 09/05/2017)	
2286	09/05/2017	CIVIL ACTION NO 1:17-CV-3354-MHC 465 08:1329. FOUR (4) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Obinna Uzoho vs. Elaine Duke. Filing fee $ 400, receipt number 113E-7366132. (Attachments: # 1 Exhibit Ex 1 - I-94 and Passport, # 2 Exhibit Ex 2 - Marriage Cert, # 3 Exhibit Ex 3 - I-130 Receipt Notice, # 4 Exhibit Ex 4 - I-485 Receipt Notice, # 5 Exhibit Ex 5 - Biometrics Notice, # 6 Exhibit Ex 6 - RFE Response, # 7 Exhibit Ex 7 - Interview Notice, # 8 Exhibit Ex 8 - Interview Results, # 9 Exhibit Ex 9 - I-130 Approval Notice, # 10 Exhibit Ex 10 - Infopass Confirmations, # 11 Civil Cover Sheet Civil Cover Sheet, # 12 Summons Summons - USCIS, # 13 Summons Summons - ATL, # 14 Summons Summons - DHS, # 15 Summons Summons - Horn)(Fogle, H.)(dmb). (Entered: 09/05/2017)	
2287	09/05/2017	CIVIL ACTION CASE NO. 1:17-CV-3356-CAP 350 28:1332mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint	

#	Date	Proceeding Text	Source
		The Travelers Home and Marine Insurance Company, as subrogee of Michael and Cindy Jenkins vs. Marcello Rossi. Filing fee $ 400, receipt number 113E-7366233. (Attachments: # 1 Civil Cover Sheet Civil CModified on 9/5/2017 (aar). (Entered: 09/05/2017)	
2288	09/05/2017	CIVIL ACTION CASE NO 1:17-CV-3357-LMM 446 42:12101. TWO (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Blinkhorn, Jessica vs. E&A Restaurant Holdings, LLC. Filing fee $ 400, receipt number 113E-7366307. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant E&A Restaurant Holdings, LLC, # 3 Summons as to Defendant Mainland Holdings 6, LLC)(Ehrlich, Craig)(dmb). (Entered: 09/05/2017)	
2289	09/05/2017	CIVIL ACTION NO. 1:17-CV-3358-MHC 446 42:12101. TWO (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Futch, Thomas H. vs. A F S Foodmart, Inc.. Filing fee $ 400, receipt number 113E-7366333. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant A F S Foodmart, Inc., # 3 Summons as to Defendant Jupiter Development Inc.)(Ehrlich, Craig)(dmb). (Entered: 09/05/2017)	
2290	09/05/2017	CIVIL ACTION NO. 1:17-CV-3359-CC JCF 480 15:1692. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Rosalind Manson vs. Alliance One Receivables Management Inc. Filing fee $ 400, receipt number 113E-7366361. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Alliance One Receivables Management)(Carlson, Clifford)(dmb). (Entered: 09/05/2017)	
2291	09/05/2017	CIVIL ACTION CASE NO. 1:17-CV-3365-ELR RGV 751 29:2601. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Patricia Hagedon vs. Shaw Industries Group, Inc.. Filing fee $ 400, receipt number 113E-7366631. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Bachman, Charles)(dmb). (Entered: 09/05/2017)	
2292	09/05/2017	CIVIL ACTION NO. 1:17-CV-3369-TCB 360 28:1332pi. NO E-SUMMONS ISSUED. WAIVERS SUBMITTED. Case Initiating Documents-Complaint Jorge Baires vs. Buckner Crane & Rigging, Inc.. Filing fee $ 400, receipt number 113E-7367110. (Attachments: # 1 Interrogatories to Defendants, # 2 RPD to Defendants, # 3 Summons, # 4 Summons, # 5 Summons)(Taylor, Richard)(dmb). (Entered: 09/05/2017)	
2293	09/05/2017	CIVIL ACTION NO. 1:17-CV-3370-AT JFK 290 12:2601. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Traci St. Claire vs. Ditech Financial, LLC. Filing fee $ 400, receipt number 113E-7367269. (Attachments: # 1 Exhibit A - Appraisal, # 2 Exhibit B- Amortization Schedule, # 3 Exhibit C - Bank of America HAMP Modification, # 4 Exhibit D - Fannie Mae Lender Letter, # 5 Exhibit E - Ditech Recast Offer Letter, # 6 Summons Ditech Financial, LLC, # 7 Civil Cover Sheet)(Hurt, James) (dmb). (Entered: 09/05/2017)	
2294	09/05/2017	CIVIL ACTION NO. 1:17-CV-3371-SCJ 110 28:1332in. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint SDT STEWART GROUP, INC. vs. UNITED NATIONAL INSURANCE COMPANY. Filing fee $ 400, receipt number 113E-7367400. (Attachments: # 1 Exhibit A - Insurance Policy, # 2 Exhibit B - B - 8.22.16 Correspondence, # 3 Exhibit C - 10.5.16 Email, # 4 Exhibit D - 10.7.16 Correspondence, # 5 Exhibit E - 12.2.16 Correspondence, # 6 Exhibit F - 12.20.16 Correspondence, # 7 Exhibit G - 1.11.17 Correspondence, # 8 Exhibit H - 1.12.17 Email, # 9 Exhibit I - 1.17.17 Email, # 10 Exhibit J - 2.8.17 Correspondence, # 11 Exhibit K - 4.5.17 Correspondence, # 12 Exhibit L - 4.25.17 Correspondence, # 13 Exhibit M - 5.18.17	

#	Date	Proceeding Text	Source
		Correspondence, # 14 Exhibit N - 6.13.17 Email, # 15 Exhibit O - 6.13.17 Email, # 16 Exhibit P - 6.13.17 Correspondence, # 17 Exhibit Q - 8.4.17 Correspondence, # 18 Exhibit R - 8.28.17 Email, # 19 Civil Cover Sheet, # 20 Summons)(Pettinato, David)(smw). (Entered: 09/05/2017)	
2295	09/05/2017	CIVIL ACTION NO. 1:17-CV-3373-TWT 110 28:2201in. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Central Mutual Insurance Company vs. Andrew J. Margow. Filing fee $ 400, receipt number 113E-7367447. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Exhibit G, # 8 Exhibit H, # 9 Exhibit I, # 10 Exhibit J, # 11 Exhibit K, # 12 Exhibit L, # 13 Summons, # 14 Civil Cover Sheet)(Rigby, Nancy) (smw). (Entered: 09/05/2017)	
2296	09/05/2017	CIVIL ACTION NO. 1:17-CV-3374-CAP JCF 445 42:12101. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint JOHN THULIN, JR. vs. KEVIN HERBERT AUTOMOTIVE, INC.. Filing fee $ 400, receipt number 113E-7367533. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Roberts, Victor)(smw). (Entered: 09/05/2017)	
2297	09/05/2017	CIVIL ACTION NO. 1:17-CV-3375-TWT CMS 445 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint RODNEY MCCULLOUGH vs. THE CITY OF COLLEGE PARK, GEORGIA. Filing fee $ 400, receipt number 113E-7367558. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Roberts, Victor) (smw). (Entered: 09/05/2017)	
2298	09/05/2017	CIVIL ACTION NO: 1:17-CV-3376-WSD WEJ 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Trina V. Collins vs. Trans Union, LLC; and CitiMortgage, Inc.,. Filing fee $ 400, receipt number 113E-7367576. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 09/05/2017)	
2299	09/05/2017	CIVIL ACTION NO. 1:17-CV-3377. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Yvette T. Perry vs. Trans Union, LLC and Wells Fargo Bank, National Association (Inc.), as successor by merger to Wells Fargo Home Mortgage. Filing fee $ 400, receipt number 113E-7367578. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul) (smw). (Entered: 09/05/2017)	
2300	09/05/2017	CIVIL ACTION NO. 1:17-CV-3378-MHC JSA 530 28:2254. NO E-SUMMONS ISSUED. Case Initiating Documents-Habeas Corpus, KEVIN PEOPLES vs. GLEN JOHNSON. Filing fee $ 5, receipt number 113E-7367560. (Attachments: # 1 Civil Cover Sheet, # 2 Supplement Exh. A Supplement to 14.A., # 3 Exhibit Exh. B Order Motion for New Trial, # 4 Exhibit Exh. C Order Denying Motion for Reconsideration, # 5 Exhibit Exh. D Order Denying Habeas Corpus, # 6 Exhibit Exh. E Application for Probable Cause, # 7 Exhibit Exh. F Order Denying Application for Probable Cause)(Carey, Emerson)(smw). (Entered: 09/05/2017)	
2301	09/05/2017	CIVIL ACTION NO. 1:17-CV-3379-AT JSA 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Angela Chantell Fair vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7367581. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 09/05/2017)	
2302	09/05/2017	CIVIL ACTION NO. 1:17-CV-3380-SCJ JCF 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sheila Knox Hill vs. Equifax Information Services, LLC; Trans Union, LLC; and DiTech Financial, LLC. Filing fee $ 400, receipt number 113E-7367586. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 09/05/2017)	
2303	09/05/2017	CIVIL ACTION NO. 1:17-CV-3381-LMM JKL 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint	

#	Date	Proceeding Text	Source
		Roosevelt Almanzo Lee and Danisha Deshawn Lee vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7367589. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(smw). (Entered: 09/05/2017)	
2304	09/05/2017	CIVIL ACTION NO. 1:17-CV-3383-RWS JKL 442 42:2000sx. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Gemia King vs. Sterling & Associates, LLC. Filing fee $ 400, receipt number 113E-7367616. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Keegan, Marcus)(smw). (Entered: 09/05/2017)	
2305	09/06/2017	CIVIL ACTION NO. 1:17-CV-3384-MHC JFK 445 42:12101. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint KIMBERLY MONSEUR vs. THE VILLAGE VETS BUCKHEAD, INC.. Filing fee $ 400, receipt number 113E-7367723. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Roberts, Victor)(smw). (Entered: 09/06/2017)	
2306	09/06/2017	CIVIL ACTION NO. 1:17-CV-3387-RWS 367 28:1332pl. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Linda J. Davis vs. Johnson & Johnson. Filing fee $ 400, receipt number 113E-7368287. (Attachments: # 1 Civil Cover Sheet)(Stokes, Kelsey)(smw). (Entered: 09/06/2017)	
2307	09/06/2017	CIVIL ACTION NO. 1:17-CV-3393-CC WEJ 480 15:1681. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sheila V. Price vs. First Advantage Background Services Corp.. Filing fee $ 400, receipt number 113E-7368665. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Civil Cover Sheet, # 7 Summons)(Drake, E.) SUMMONS WILL NOT BE E-ISSUED DUE TO INCOMPLETE DEFENDANT ADDRESS CONTACTED ATTY GARY ANDREWS TO REISSUE SUMMONS ONCE THE CASE IS OPEN(smw). (Entered: 09/06/2017)	
2308	09/06/2017	CIVIL ACTION NO. 1:17-CV-3396-TCB RGV 290 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Tiffanye Maddox Ming vs. Select Portfolio Servicing, Inc.. Filing fee $ 400, receipt number 113E-7368741. (Attachments: # 1 Exhibit "A" State Court Pleadings, # 2 Civil Cover Sheet)(Chaness, Bret)(smw). (Entered: 09/06/2017)	
2309	09/06/2017	CIVIL ACTION NO. 1:17-CV-3397-AT JSA 480 15:1692. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Naporsha Beason vs. Credit Protection Association, L.P.. Filing fee $ 400, receipt number 113E-7368766. (Attachments: # 1 Civil Cover Sheet Civil Cover, # 2 Supplement Cert. of Interested Persons, # 3 Summons Nathan Levine, # 4 Summons CPA, # 5 Exhibit Ex. 1, # 6 Exhibit Ex. 2, # 7 Exhibit Ex. 3, # 8 Exhibit Ex. 4, # 9 Exhibit Ex. 5)(Prado, David)(smw). (Entered: 09/06/2017)	
2310	09/06/2017	CIVIL ACTION NO. 1:17-CV-3399-TCB 446 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Holt, Dakota vs. SHM Enterprises, Inc.. Filing fee $ 400, receipt number 113E-7369462. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant SHM Enterprises, Inc., # 3 Summons as to Defendant Agad Corp.)(Ehrlich, Craig)(smw). (Entered: 09/06/2017)	
2311	09/06/2017	CIVIL ACTION NO. 1:17-CV-3400-ELR 190 28:1332bc; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Bank of America, N.A. vs. Patricia Barganier. Filing fee $ 400, receipt number 113E-7369708. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate of Interested Persons, # 4 Affidavit of Military Status)(Beedenbender, Adam)(rlb). (Entered: 09/06/2017)	
2312	09/06/2017	CIVIL ACTION NO. 1:17-CV-3401-WSD 367 28:1332pl; TWO E-	

#	Date	Proceeding Text	Source
		SUMMONS ISSUED. Case Initiating Documents-Complaint Mary Destouet vs. Wright Medical Technology, Inc.. Filing fee $ 400, receipt number 113E-7369778. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Cutter, C.)(rlb). (Entered: 09/06/2017)	
2313	09/06/2017	CIVIL ACTION NO. 1:17-CV-3402-MHC 710 29:0216b; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Morgan Spears vs. FocusVision Worldwide, Inc.. Filing fee $ 400, receipt number 113E-7369793. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Summons, # 4 Civil Cover Sheet)(Winkler, Kenneth)(rlb). (Entered: 09/06/2017)	
2314	09/06/2017	CIVIL ACTION NO. 1:17-CV-3403 AT AJB 445 42:12101; ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Michael Stubbs vs. Atlanta Airlines Terminal Corporation. Filing fee $ 400, receipt number 113E-7369890. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Keegan, Marcus(rlb). (Entered: 09/06/2017)	
2315	09/06/2017	CIVIL ACTION NO. 1:17-CV-3404-ODE JKL 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Clarence J. Bell and Gwendolyn A. Bell vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7369895. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(rlb). (Entered: 09/06/2017)	
2316	09/06/2017	CIVIL ACTION NO. 1:17-CV-3405-CC JFK 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jennine Marie Carter vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7369896. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(rlb). (Entered: 09/06/2017)	
2317	09/06/2017	CIVIL ACTION NO. 1:17-CV-3406-TWT AJB 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Darryl Wayne Donald and Shirley Rucker Donald vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7369899. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(rlb). (Entered: 09/06/2017)	
2318	09/06/2017	CIVIL ACTION NO. 1:17-CV-3407-WSD WEJ 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Dennis Charles Miller and Jenny Laura Miller vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7369901. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(rlb). (Entered: 09/06/2017)	
2319	09/06/2017	CIVIL ACTION NO. 1:17-CV-3408-SCJ RGV 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Wayne Stone vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7369902. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(rlb). (Entered: 09/06/2017)	
2320	09/06/2017	CIVIL ACTION NO. 1:17-CV-3409-LMM JSA 480 15:1681; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Milan Franklin Wallace and Carol Lynn Wallace vs. Trans Union LLC. Filing fee $ 400, receipt number 113E-7369903. (Attachments: # 1 Civil Cover Sheet)(Sieg, Paul)(rlb). (Entered: 09/06/2017)	
2321	09/07/2017	CIVIL ACTION NO. 1:17-CV-3412-MHC 440 42:1983cv; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sharon Powell vs. Patrick Snook. Filing fee $ 400, receipt number 113E-7371063. (Attachments: # 1 Civil Cover Sheet)(Jones, John)(rlb). (Entered: 09/07/2017)	
2322	09/07/2017	CIVIL ACTION NO. 1:17-CV-3413-ELR 360 28:1441pi; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Nancy Callahan vs. Wal-Mart Stores East, LP. Filing fee $ 400, receipt number 113E-7371113. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Demand Letter, # 3 Exhibit B - State Court Pleadings)(Lessinger, Howard)(rlb). (Entered: 09/07/2017)	

#	Date	Proceeding Text	Source
2323	09/07/2017	CIVIL ACTION NO. 1:17-CV-3414-ODE 140 28:1441ni; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Sherry Hughes vs. Household Realty Corporation. Filing fee $ 400, receipt number 113E-7371160. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Fiorilla, Louis)(rlb). (Entered: 09/07/2017)	
2324	09/07/2017	CIVIL ACTION NO. 1:17-CV-3416-CC 360 28:1441pi; NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Irene Ross vs. The Kroger Co.. Filing fee $ 400, receipt number 113E-7371192. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Exhibit A, # 3 Exhibit Exhibit B, # 4 Exhibit Defendant's Answer and Defenses, # 5 Exhibit Defendant's Demand for Twelve Person Jury)(Wasick, Jeffrey)(rlb). (Entered: 09/07/2017)	
2325	09/07/2017	CIVIL ACTION NO. 1:17-CV-3417-TWT JFK 864 42:0405id; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Theresa Thompson vs. Nancy Berryhill, Commissioner of SSA. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Motion for Leave to Proceed IFP, # 3 Notice of Filing Proposed Summonses, # 4 For Attorney General, # 5 For SSA Regional Counsel, # 6 For US Attorney)(Sturla, Juliette)SUMMONS TO BE ISSUED BY DOCKET CLERK UPON IFP APPROVAL. (rlb). (Entered: 09/07/2017)	
2326	09/07/2017	CIVIL ACTION NO. 1:17-CV-3418-RWS 367 28:1332pl; NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Vanessa Williams vs. Johnson & Johnson. Filing fee $ 400, receipt number 113E-7372190. (Garrard, Henry)(rlb). (Entered: 09/07/2017)	
2327	09/07/2017	SUBMISSION of additional attachments re: 2326 CIVIL ACTION NO. 1:17-CV-3418-RWS. Case Initiating Documents-Complaint. (Garrard, Henry) (rlb). (Entered: 09/07/2017)	
2328	09/07/2017	MISCELLANEOUS CASE NO. 1:17-MI-0069-ELR-JCF 890 28:1782. NO E-SUMMONS ISSUED. Case Initiating Documents-Miscellaneous (Other uncontested ancillary or supplemental proceeding), BIC Clichy vs. Shannon Blake. Filing fee $ 47, receipt number 113E-7372390. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Exhibit 6, # 7 Exhibit 7, # 8 Exhibit 8, # 9 Exhibit 9, # 10 Exhibit 10, # 11 Exhibit 11, # 12 Exhibit 12, # 13 Exhibit 13, # 14 Exhibit 14 -- Proposed Order, # 15 Civil Cover Sheet)(Pieper, Joel)(dmb). (Entered: 09/07/2017)	
2329	09/07/2017	CIVIL ACTION NO. 1:17-cv-3420-SCJ 446 42:12101. TWO (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Waters, Allison vs. Lim, Hyung Ki d/b/a Hal's Beer & Wine. Filing fee $ 400, receipt number 113E-7372575. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Hyung Ki Lim d/b/a Hal's Beer & Wine, # 3 Summons as to Defendant Dunn Dekalb Property, LLC)(Ehrlich, Craig)(dmb). (Entered: 09/07/2017)	
2330	09/07/2017	CIVIL ACTION NO 1:17-CV-3421-LMM-WEJ 442 42:2000ra. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Anthony Rogers vs. Symrna Container Company. Filing fee $ 400, receipt number 113E-7372676. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Keegan, Marcus) (dmb). (Entered: 09/07/2017)	
2331	09/07/2017	CIVIL ACTION CASE NO 1:17-CV-3422-WSD 190 28:1332fd. ONE (1) E-SUMMONS ISSUED. CIVIL COVER SHEET INCOMPLETE. ATTY BEVIS CONTACTED ON 9/8/2017 BY DMB AND DIRECTED TO RESUBMIT COMPLETED CIVIL COVER SHEET. Case Initiating Documents-Complaint James McGonnigal	

#	Date	Proceeding Text	Source
		vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7372710. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Equifax, Inc. Summons)(Bevis, John)(dmb). Modified on 9/8/2017 (dmb). (Entered: 09/07/2017)	
2332	09/08/2017	CIVIL ACTION NO. 1:17-CV-3423-MHC 190 28:1332bc. TWO (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint University IV Power, LLC vs. ENERGY SEVEN LLC. Filing fee $ 400, receipt number 113E-7372947. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet, # 3 Summons, # 4 Summons)(Waide, Amanda) (dmb). (Entered: 09/08/2017)	
2333	09/08/2017	CIVIL ACTION NO. 1:17-CV-3424-ELR LTW 863 42:0405wc; E-SUMMONS NOT ISSUED. Case Initiating Documents-Complaint Regina Darlen Gamble vs. Nancy A. Berryhill, Commissioner of Social Security. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to US Attorney, # 3 Summons as to OGC, # 4 Summons as to Attorney General, # 5 Application to Proceed In Forma Pauperis)(Ginsberg, Jonathan) SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(dmb). (Entered: 09/08/2017)	
2334	09/08/2017	CIVIL ACTION NO. 1:17-CV-3425-ODE 380 28:1332pd. TWO (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Nationwide Mutual Insurance Company vs. T&R Custom Wood Design, Inc. d/b/a Pogue Cabinets. Filing fee $ 400, receipt number 113E-7373617. (Attachments: # 1 Civil Cover Sheet, # 2 Summons For Defendant T&R, # 3 Summons For Defendant Dennis)(Terry, David)(dmb). (Entered: 09/08/2017)	
2335	09/08/2017	CIVIL ACTION CASE NO. 1:17-CV-3429-CC JKL 480 15:1692. THREE (3) E-SUMMONS ISSUED. Case Initiating Documents-Complaint K. Tom Hall vs. Portfolio Recovery Associates, LLC. Filing fee $ 400, receipt number 113E-7373886. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Compumail, # 3 Summons as to Cooling & Winter, # 4 Summons as to PRA, # 5 Exhibit A - Statement of Claim, # 6 Exhibit B - Responsive Pleadings, # 7 Exhibit C - Notice to Produce, # 8 Exhibit D - Dunning Letter, # 9 Exhibit E - Dismissal)(Carlson, Clifford)(dmb). (Entered: 09/08/2017)	
2336	09/08/2017	CIVIL ACTION NO. 1:17-CV-3430-MHC 840 28:1338tr. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint D.H. PACE COMPANY, INC., D/B/A OVERHEAD DOOR COMPANY OF ATLANTA vs. AARON OVERHEAD DOOR ATLANTA LLC. Filing fee $ 400, receipt number 113E-7373872. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Exhibit 6, # 7 Exhibit 7, # 8 Exhibit 8, # 9 Civil Cover Sheet)(Henn, Richard) (dmb). (Entered: 09/08/2017)	
2337	09/08/2017	CIVIL ACTION NO. 1:17-cv-3431-CAP 896 09:0001. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Gresham Transportation Services, LLC vs. MV Contract Transportation, Inc.. Filing fee $ 400, receipt number 113E-7374043. (Attachments: # 1 Exhibit A (Award of Arbitrator), # 2 Civil Cover Sheet, # 3 Summons)(Ross, Michael)(dmb). (Entered: 09/08/2017)	
2338	09/08/2017	CIVIL ACTION NO. 1:17-CV-3432-TWT JFK 220 28:1444. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Yamina Karitanyi vs. Seterus, Inc.. Filing fee $ 400, receipt number 113E-7374140. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exhibit A, # 3 Exhibit Exhibit B, # 4 Exhibit Exhibit C, # 5 Exhibit Exhibit D)(Wigington, Cody)(dmb). (Entered: 09/08/2017)	
2339	09/08/2017	CIVIL ACTION NO. 1:17-CV-3433-AT 190 28:1332fd. ONE (1)	

#	Date	Proceeding Text	Source
		ESUMMONS ISSUED. Case Initiating Documents-Complaint Randolph Jefferson Cary III vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7374165. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons to Equifax, Inc.)(Bevis, John)(dmb). (Entered: 09/08/2017)	
2340	09/08/2017	CIVIL ACTION NO. 1:17-CV-3434-SCJ 710 29:0216b. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Mary Chachas vs. Centricsit LLC. Filing fee $ 400, receipt number 113E-7374379. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Consent to Sue - Mary Chachas, # 3 Exhibit Consent to Sue - Angela Mosley)(Orlando, Roger)(dmb). (Entered: 09/08/2017)	
2341	09/08/2017	CIVIL ACTION NO. 1:17-cv-3437-CAP AJB 863 42:0405wc. E-SUMMONS NOT ISSUED. WILL BE ISSUED BY DKT CLERK UPON IFP APPROVAL. Case Initiating Documents-Complaint Dustin Vincent vs. Nancy Berryhill. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Affidavit, # 3 Affidavit Paupers Affidavit, # 4 Summons, # 5 Affidavit Consent to Proceed Before Magistrate, # 6 Supplement Contract with Attorney)(Burgess, Anjel)(dmb). (Entered: 09/08/2017)	
2342	09/08/2017	CIVIL ACTION NO. 1:17-CV-3438-LMM 690 18:0924. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint United States of America vs. Beretta USA Corp BU9 Nano Pistol. No payment received. (Attachments: # 1 Civil Cover Sheet)(Goss, Dahil)(dmb). (Entered: 09/08/2017)	
2343	09/08/2017	CIVIL ACTION NO. 1:17-cv-3439-CC RGV 442 29:0626. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Lillian J. Furlow vs. CH2M HILL Engineers, Inc.. Filing fee $ 400, receipt number 113E-7374930. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Pankey, Larry) (dmb). (Entered: 09/08/2017)	
2344	09/08/2017	CIVIL ACTION NO. 1:17-cv-3440-WSD 360 28:1332pi. ONE (1) E-SUMMONS ISSUED Case Initiating Documents-Complaint Cross Creek Pictures, LLC vs. S&S Aviation, Inc.. Filing fee $ 400, receipt number 113E-7374932. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Andersen, Donald) (Entered: 09/08/2017)	
2345	09/08/2017	CIVIL ACTION NO. 1:17-CV-3441-AT 891 07:0499. SIX (6) E-SUMMONS ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7375002. (Attachments: # 1 Civil Cover Sheet, # 2 Summons to Valley Produce Corp., # 3 Summons to Mario Lazo Sr., # 4 Summons to Antonio Lazo, # 5 Summons to Arturo Lazo, # 6 Summons to Gerardo Lazo, # 7 Summons to Mario N Lazo)(Stokes, Craig)(dmb). (Entered: 09/08/2017)	
2346	09/08/2017	CIVIL ACTION CASE NO. 1:17-cv-3443-LMM 190 28:1332fd. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Victoria Kealy vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7375120. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet - Kealy, # 2 Summons Summons - Kealy)(Evangelista, James)(dmb). (Entered: 09/08/2017)	
2347	09/08/2017	CIVIL ACTION NO 1:17-CV-3444-MHC 190 28:1332fd. ONE (1) ESUMMONS ISSUED. Case Initiating Documents-Complaint Albert Ruscitto vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7375139. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Coomes, Andrew)(dmb). (Entered: 09/08/2017)	
2348	09/08/2017	CIVIL ACTION NO. 1:17-cv-3445-CAP 190 28:1332fd. ONE (1) ESUMMONS ISSUED. Case Initiating Documents-Complaint ALAIN LAPTER vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7375173. (Attachments: # 1 Civil Cover Sheet, # 2	

#	Date	Proceeding Text	Source
		Summons)(Evangelista, James)(dmb). (Entered: 09/08/2017)	
2349	09/08/2017	CIVIL ACTION NO. 1:17-cv-3446-CAP JCF 442 42:2000ra. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Vikki Wesley vs. Courier Express, Inc.. Filing fee $ 400, receipt number 113E-7375181. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit)(Banks, Sadiqa)(dmb). (Entered: 09/08/2017)	
2350	09/08/2017	CIVIL ACTION NO. 1:17-CV-3447-WSD 190 28:1332fd. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Alison Manaher vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7375208. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Lemond, G.)(dmb). (Entered: 09/08/2017)	
2351	09/08/2017	CIVIL ACTION CASE NO. 1:17-cv-2448-AT 190 28:1332fd. ONE (1) ESUMMONS ISSUED. Case Initiating Documents-Complaint Nida Samson vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7375212. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Heller, Lisa)(dmb). (Entered: 09/08/2017)	
2352	09/08/2017	CIVIL ACTION NO. 1:17-cv-3449-SCJ 190 28:1332fd. ONE (1) E-Summons ISSUED. Case Initiating Documents-Complaint CHRIS BROWN vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7375221. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Evangelista, James)(dmb). (Entered: 09/08/2017)	
2353	09/08/2017	CIVIL ACTION CASE NO. 1:17-cv-3450-LMM 190 28:1332fd. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Michael Wolf vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7375224. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Lemond, G.)(dmb). (Entered: 09/08/2017)	
2354	09/08/2017	CIVIL ACTION NO. 1:17-CV-3451-MHC 190 28:1332fd. ONE (1) E-Summons ISSUED. Case Initiating Documents-Complaint John Washburn vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7375230. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Canfield, Kenneth)(dmb). (Entered: 09/08/2017)	
2355	09/08/2017	CIVIL ACTION NO. 1:17-CV-3452-ELR 190 28:1332fd. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Timothy Durham vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7375241. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Partin, Ranse)(dmb). (Entered: 09/08/2017)	
2356	09/08/2017	CIVIL ACTION NO. 1:17-cv-3453-TWT 190 28:1332fd. ONE E-Summons ISSUED. Case Initiating Documents-Complaint JAMES ABRAHAM vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7375247. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Evangelista, James)(dmb). (Entered: 09/08/2017)	
2357	09/08/2017	CIVIL ACTION CASE NO. 1:17-CV-3454-WSD 190 28:1332fd. ONE (1) E-Summons ISSUED. Case Initiating Documents-Complaint JUDY DIANE BRANDON vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7375249. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Evangelista, James)(dmb). (Entered: 09/08/2017)	
2358	09/08/2017	CIVIL ACTION NO. 1:17-CV-3456. ONE E-Summons ISSUED. Case Initiating Documents-Complaint JUSTIN FIORE vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7375250. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Evangelista, James)(dmb). (Entered: 09/08/2017)	
2359	09/08/2017	CIVIL ACTION NO. 1:17-CV-3457-SCJ 190 28:1332fd. ONE (1) E-Summons ISSUED. Case Initiating Documents-Complaint BRYAN LIPCHITZ vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7375251. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Evangelista, James)(dmb). (Entered: 09/08/2017)	
2360	09/08/2017	CIVIL ACTION NO. 1:17-cv-3458-LMM 190 28:1332fd. One (1) E-Summons ISSUED. Case Initiating Documents-Complaint BRIAN	

#	Date	Proceeding Text	Source
		THOMPSON JAMES MARTIN vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7375252. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Evangelista, James)(dmb). (Entered: 09/08/2017)	
2361	09/08/2017	CIVIL ACTION NO. 1:17-cv-3459-MHC 190 28:1332fd. ONE E-Summons ISSUED. Case Initiating Documents-Complaint ALLAN MENZER vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7375253. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Evangelista, James)(dmb). (Entered: 09/08/2017)	
2362	09/08/2017	CIVIL ACTION NO. 1:17-CV-3460-ELR 190 28:1332fd. ONE E-Summons ISSUED. Case Initiating Documents-Complaint JOHN J. PAGLIARULO vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7375255. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Evangelista, James)(dmb). (Entered: 09/08/2017)	
2363	09/08/2017	CIVIL ACTION CASE NO. 1:17-CV-3461-CAP 190 28:1332fd. ONE (1) E-Summons ISSUED. Case Initiating Documents-Complaint JOSEPH PUGLIESE vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7375257. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Evangelista, James)(dmb). (Entered: 09/08/2017)	
2364	09/08/2017	CIVIL ACTION NO 1:17-CV-3462-LMM 710 29:0216b. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Shawn Coston vs. Care Roadside Service, LLC. Filing fee $ 400, receipt number 113E-7375258. (Attachments: # 1 Civil Cover Sheet)(Thomas, Brandon)(dmb). (Entered: 09/08/2017)	
2365	09/08/2017	CIVIL ACTION NO 1:17-cv-3463-WSD 190 28:1332fd. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Hampden Kuhns vs. Equifax Inc.. Filing fee $ 400, receipt number 113E-7375260. (Attachments: # 1 Exhibit 1: Plaintiff's Certification, # 2 Exhibit 2: Plaintiff's Transactions, # 3 Civil Cover Sheet)(Bain, David)(dmb). (Entered: 09/08/2017)	
2366	09/11/2017	CIVIL ACTION NO. 1:17-CV-3466-AT 440 42:1983cv. ONE E-Summons ISSUED. Case Initiating Documents-Complaint Domenic Callaway vs. Andrew Chapman. Filing fee $ 400, receipt number 113E-7375378. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Smith, William)(smw). (Entered: 09/11/2017)	
2367	09/11/2017	CIVIL ACTION NO. 1:17-CV-3467-SCJ RGV 863 42:0405wc. THREE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Karen Thieken vs. Nancy A. Berryhill, Acting Commissioner of SSA. Filing fee $ 400, receipt number 113E-7375449. (Attachments: # 1 Civil Cover Sheet, # 2 Summons - U.S. Attorney, # 3 Summons - OGC, # 4 Summons - Attorney General)(Martin, Charles) (smw). (Entered: 09/11/2017)	
2368	09/11/2017	CIVIL ACTION NO. 1:17-CV-3468-LMM 350 28:1441mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Michael Brown vs. Grcic Slobodan. Filing fee $ 400, receipt number 113E-7375479. (Attachments: # 1 Civil Cover Sheet, # 2 Appendix Answer to complaint, # 3 Exhibit Ex A - state court file, # 4 Appendix Corporate disclosure statement)(Gupta, Suneel)(smw). (Entered: 09/11/2017)	
2369	09/11/2017	CIVIL ACTION NO. 1:17-CV-3470-RWS CMS 442 42:2000sx. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jasmine S. Dixon vs. Beaulieu of America, Inc.. Filing fee $ 400, receipt number 113E-7375542. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Pankey, Larry)(smw). (Entered: 09/11/2017)	
2370	09/11/2017	CIVIL ACTION NO. 1:17-CV-3471-CAP 190 28:1332fd. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tracey Lorraine Rust vs. Equifax, Inc.. Filing fee $ 400, receipt	

#	Date	Proceeding Text	Source
		number 113E-7375566. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Killorin, Robert)(smw). (Entered: 09/11/2017)	
2371	09/11/2017	CIVIL ACTION NO. 1:17-CV-3473-WSD JKL 442 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint SERENITY STARR vs. VENTRON MANAGEMENT, LLC D/B/A HARVARD PLACE APARTMENTS. Filing fee $ 400, receipt number 113E-7375586. (Attachments: # 1 Civil Cover Sheet, # 2 Summons upon Ventron Management, LLC, # 3 Summons upon Equity Leasing Finance II)(Ragan, Amelia)(smw). (Entered: 09/11/2017)	
2372	09/11/2017	CIVIL ACTION NO. 1:17-CV-3475-TWT AJB 220 28:1444. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Antionette Smedley vs. Ocwen Loan Servicing, LLC. Filing fee $ 400, receipt number 113E-7375644. (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(Mendel, Jarrod)(smw). (Entered: 09/11/2017)	
2373	09/11/2017	CIVIL ACTION NO. 1:17-CV-3476-AT 190 28:1332fd. ONE E-SUMMONS ISSUED Case Initiating Documents-Complaint CHARLES PAVESI, JR. vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7375707. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons Summons)(Pate, Page)(smw). (Entered: 09/11/2017)	
2374	09/11/2017	CIVIL ACTION NO. 1:17-CV-3476. SUBMISSION of additional attachments re: 2373 Case Initiating Documents-Complaint. (Pate, Page)(smw). (Entered: 09/11/2017)	
2375	09/11/2017	CIVIL ACTION NO. 1:17-CV-3477-LMM 190 28:1332fd. ONE E-Summons ISSUED. Case Initiating Documents-Complaint DAN RICHMOND vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7375734. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Evangelista, James)(smw). (Entered: 09/11/2017)	
2376	09/11/2017	CIVIL ACTION NO. 1:17-CV-3478-MHC WEJ 480 15:1692. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Robin Griffin vs. Drew, Eckl & Farnham, LLP. Filing fee $ 400, receipt number 113E-7375762. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Fortas, Eric)(smw). (Entered: 09/11/2017)	
2377	09/11/2017	CIVIL ACTION NO. 1:17-CV-3480-TWT 190 28:1332fd. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Samuel Boundy vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7375781. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet)(Hirsch, Andrea)(smw). (Entered: 09/11/2017)	
2378	09/11/2017	CIVIL ACTION NO. 1:17-CV-3479-ELR 190 28:1332fd. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Dallas Perkins vs. Equifax Inc.. Filing fee $ 400, receipt number 113E-7375803. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(DeWoskin, Daniel)(smw). (Entered: 09/11/2017)	
2379	09/11/2017	CIVIL ACTION NO. 1:17-CV-3481-WSD RGV 480 15:1681. ONE E-Summons ISSUED. Case Initiating Documents-Complaint. Filing fee $ 400, receipt number 113E-7375805. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Dorsen, Clifton) (smw). (Entered: 09/11/2017)	
2380	09/11/2017	CIVIL ACTION NO. 1:17-CV-3482-TCB 190 28:1332fd. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Luke Strauchman vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7375806. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(McDonough, James)(smw). (Entered: 09/11/2017)	
2381	09/11/2017	CIVIL ACTION NO. 1:17-CV-3483-AT 190 28:1332fd. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Summit Credit Union vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7375867. (Attachments: # 1 Civil Cover Sheet Civil	

#	Date	Proceeding Text	Source
		Cover Sheet)(Kitces, James) (akr). (Entered: 09/11/2017)	
2382	09/12/2017	CIVIL ACTION NO. 1:17-cv-3484-SCJ 190 28:1332fd. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Nancy A. Vita vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7375913. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Hall, Christopher) (akr). (Entered: 09/12/2017)	
2383	09/12/2017	CIVIL ACTION NO 1:17-CV-3485-LMM JSA 480 15:1692. TWO (2)E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jeff Smith vs. Stoneleigh Recovery Associates LLC. Filing fee $ 400, receipt number 113E-7376007. (Attachments: # 1 Exhibit Ex A -- Redacted Statement of Claim, # 2 Exhibit Ex B -- Redacted First Collection Letter, # 3 Exhibit Ex C -- Redacted Second Collection Letter, # 4 Civil Cover Sheet Civil Cover Sheet, # 5 Summons Summons on Main Street, # 6 Summons Summons of Stoneleigh, # 7 Certificate of Interested Parties)(Nelson, John) (dmb). (Entered: 09/12/2017)	
2384	09/12/2017	CIVIL ACTION NO. 1:17-cv-3486-MHC JCF 480 15:1692. TWO (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jeff Smith vs. Mercantile Adjustment Bureau LLC. Filing fee $ 400, receipt number 113E-7376010. (Attachments: # 1 Exhibit Ex A -- Redacted Statement of Claim, # 2 Exhibit Ex B -- Redacted Collections Letter, # 3 Civil Cover Sheet Civil Cover Sheet, # 4 Summons Main Street Summons, # 5 Summons Mercantile Summons, # 6 Certificate of Interested Parties)(Nelson, John)(dmb). (Entered: 09/12/2017)	
2385	09/12/2017	CIVIL ACTION NO. 1:17-CV-3487. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Latosha Green vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7376038. (Attachments: # 1 Civil Cover Sheet)(Bain, David)(dmb). (Entered: 09/12/2017)	
2386	09/12/2017	CIVIL ACTION NO. 1:17-CV-3489-CAP JKL 480 15:1692. TWO (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Dena Barrett vs. Interstate Recovery Service, Inc.. Filing fee $ 400, receipt number 113E-7376126. (Attachments: # 1 Civil Cover Sheet Civil Cover, # 2 Summons Summons, # 3 Summons Summons, # 4 Supplement Certificate Of Interested Persons, # 5 Supplement Decl. Prado, # 6 Affidavit Aff. Barrett, # 7 Exhibit Ex. 1, # 8 Exhibit Ex. 2, # 9 Exhibit Ex. 3, # 10 Exhibit Ex. 4, # 11 Exhibit Ex. 5, # 12 Exhibit Ex. 6, # 13 Exhibit Ex. 7, # 14 Exhibit Ex. 8)(Prado, David)(dmb). (Entered: 09/12/2017)	
2387	09/12/2017	CIVIL ACTION NO. 1:17-CV-3491-RWS 367 28:1332pl. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Paula D. Andrews vs. Johnson & Johnson. Filing fee $ 400, receipt number 113E-7376129. (Attachments: # 1 Civil Cover Sheet)(Stokes, Kelsey)(dmb). (Entered: 09/12/2017)	
2388	09/12/2017	CIVIL ACTION NO. 1:17-CV-3492-TCB 190 28:1332fd. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Bernadette Beekman vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7376150. (Attachments: # 1 Civil Cover Sheet)(Bain, David)(dmb). (Entered: 09/12/2017)	
2389	09/12/2017	CIVIL ACTION NO. 1:17-CV-3493-TCB JFK 15:1692. TWO (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Charlie Daniels vs. Lazega & Johanson LLC. Filing fee $ 400, receipt number 113E-7376161. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons LAZEGA Summons, # 3 Summons TSI Summons, # 4 Certificate of Interested Parties and Corporate Disclosure Statement)(Nelson, John)(dmb). (Entered: 09/12/2017)	
2390	09/12/2017	CIVIL ACTION NO: 1:17-cv-3494-AT JSA 863 42:0405WW. E-	

#	Date	Proceeding Text	Source
		SUMMONS NOT ISSUED. SUMMONS WILL BE ISSUED BY DKT CLK UPON IFP APPROVAL. Case Initiating Documents-Complaint LaTonia Childs o/b/o M.D.B. vs. Commissioner of Social Security. No payment received. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Civil Cover Sheet, # 5 Summons, # 6 Summons, # 7 Summons, # 8 Application to Proceed In Forma Pauperis)(Flynn, Kathleen(dmb). (Entered: 09/12/2017)	
2391	09/12/2017	CIVIL ACTION NO. 1:17-CV-3495-SCJ LTW 480 15:1692. TWO (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ashley Bell vs. Lazega & Johanson LLC. Filing fee $ 400, receipt number 113E-7376167. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Summons LAZEGA Summons, # 3 Summons TSI Summons, # 4 Certificate of Interested Parties and Corporate Disclosure Statement)(Nelson, John)(dmb) (Entered: 09/12/2017)	
2392	09/12/2017	CIVIL ACTION NO. 1:17-CV-3496-LMM AJB 480 15:1692. TWO (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Lavonne Burden vs. Trident Asset Management, LLC. Filing fee $ 400, receipt number 113E-7376236. (Attachments: # 1 Exhibit A - March 21, 2017 Letter, # 2 Civil Cover Sheet, # 3 Summons (Trident), # 4 Summons (OPS))(Carter, Marques)(dmb). (Entered: 09/12/2017)	
2393	09/12/2017	CIVIL ACTION NO. 1:17-CV-3497-MHC 190 28:1332fd. TWO (2) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Joseph Clark vs. Equifax Inc.. Filing fee $ 400, receipt number 113E-7376288. (Attachments: # 1 Civil Cover Sheet, # 2 Summons to be Issued)(Drake, E.) (dmb). (Entered: 09/12/2017)	
2394	09/12/2017	CIVIL ACTION NO. 1:17-CV-3498-ELR 190 28:1332fd. ONE (1) E-Summons ISSUED. Case Initiating Documents-Complaint MICHAEL GOTTESMAN vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7376298. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Evangelista, James)(dmb). (Entered: 09/12/2017)	
2395	09/12/2017	CIVIL ACTION NO. 1:17-CV-3499-ODE 190 28:1332fd. ONE (1) E-Summons ISSUED. Case Initiating Documents-Complaint APRIL MARDOCK vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7376332. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Evangelista, James) (dmb). (Entered: 09/12/2017)	
2396	09/12/2017	CIVIL ACTION NO. 1:17-CV-3500-CAP WEJ 480 15:1692. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Brittany Phillips vs. Receivable Management Group, Inc.. Filing fee $ 400, receipt number 113E-7376344. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit)(Paxton, Misty)(dmb). (Entered: 09/12/2017)	
2397	09/12/2017	CIVIL ACTION NO. 1:17-CV-3501-TWT 190 28:1332fd. ONE (1) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sakina Mohamedali vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7376354. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Lemond, G.)(dmb). (Entered: 09/12/2017)	
2398	09/12/2017	CIVIL ACTION NO. 1:17-CV-3502-TCB 190 28:1332fd. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint ANDREW MCDOWELL vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7376359. (Cohen, David) (dmb). (Entered: 09/12/2017)	
2399	09/12/2017	CIVIL ACTION NO. 1:17-CV-3503-AT 710 29:0216b. ONE (1) E-Summons ISSUED. Case Initiating Documents-Complaint WAYNE PIERRE vs. CAROTRANS INTERNATIONAL, INC.. Filing fee $ 400, receipt number 113E-7376374. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Roberts, Victor) (dmb).	

#	Date	Proceeding Text	Source
		(Entered: 09/12/2017)	
2400	09/12/2017	CIVIL ACTION NO. 1:17-CV-3504-SCJ 462 08:1446. SIX (6) E-SUMMONS ISSUED. Case Initiating Documents-Complaint Jinesh Vora vs. Jeff Sessions. Filing fee $ 400, receipt number 113E-7376384. (Attachments: # 1 Civil Cover Sheet civil cover sheet, # 2 Exhibit Exhibit A, # 3 Exhibit Exhibit B, # 4 Exhibit Exhibit C, # 5 Exhibit Exhibit D, # 6 Exhibit Exhibit E, # 7 Exhibit Exhibit F, # 8 Exhibit Exhibit G, # 9 Exhibit Exhibit H, # 10 Summons summons Duke, # 11 Summons summons Frazier, # 12 Summons summons Horn, # 13 Summons summons McCament, # 14 Summons summons Sessions, # 15 Summons summons Wray)(Cochran, Johanna)(dmb). (Entered: 09/12/2017)	
2401	09/13/2017	CIVIL ACTION NO. 1:17-CV-3505-ELR 820 28:1338cp. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Michael T. Bennett vs. Marvel Entertainment. Filing fee $ 400, receipt number 113E-7377111. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Exhibit A - Part 1 (State Court Documents), # 3 Exhibit Exhibit A - Part 2 (State Court Documents), # 4 Exhibit Exhibit A - Part 3 (State Court Documents), # 5 Exhibit Exhibit A - Part 4 (State Court Documents), # 6 Exhibit Exhibit A - Part 5 (State Court Documents), # 7 Exhibit Exhibit A - Part 6 (State Court Documents), # 8 Exhibit Exhibit A - Part 7 (State Court Documents), # 9 Exhibit Exhibit A - Part 8 (State Court Documents), # 10 Exhibit Exhibit A - Part 9 (State Court Documents))(LaFantano, Sarah)(dmb). (Entered: 09/13/2017)	
2402	09/13/2017	CIVIL ACTION NO. 1:17-CV-3506-RWS 367 28:1332pl. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint JOHN H. LENOX vs. JOHNSON & JOHNSON. Filing fee $ 400, receipt number 113E-7377551. (Attachments: # 1 Civil Cover Sheet)(Stokes, Kelsey)(smw). (Entered: 09/13/2017)	
2403	09/13/2017	CIVIL ACTION NO. 1:17-CV-3507-LMM 190 28:1332fd. NO E-Summons ISSUED. Case Initiating Documents-Complaint Thomas W. Pleasant vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7377697. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Butler, George)SUMMONS E-ISSUED WITH SUBMISSION #2405.(smw) (Entered: 09/13/2017)	
2404	09/13/2017	CIVIL ACTION NO. 1:17-CV-3508-MHC 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Gwendolyn Wheeler Rosser vs. QuikTrip Corporation. Filing fee $ 400, receipt number 113E-7378021. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit Defendant QuikTrip Corporation's Answer to Plaintiff's Complaint)(Hurley, Kathleen)(smw). (Entered: 09/13/2017)	
2405	09/13/2017	CIVIL ACTION NO. 1:17-CV-3507-LMM. ONE E-SUMMONS ISSUED. SUBMISSION of additional attachments re: 2403 Case Initiating Documents-Complaint. (Butler, George)(smw). (Entered: 09/13/2017)	
2406	09/13/2017	CIVIL ACTION NO. 1:17-CV-3509-ODE 190 28:1332fd. ONE E-Summons ISSUED. Case Initiating Documents-Complaint GINA ENGLERT vs. EQUIFAX, INC.. Filing fee $ 400, receipt number 113E-7378368. (Attachments: # 1 Summons, # 2 Civil Cover Sheet)(Evangelista, James)(smw). (Entered: 09/13/2017)	
2407	09/13/2017	CIVIL ACTION NO. 1:17-CV-3510-CAP RGV 220 28:1444. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Melanie Tyler vs. Nationstar Mortgage LLC. Filing fee $ 400, receipt number 113E-7378372. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Civil Cover Sheet)(Rhadans, Allison)(smw). (Entered: 09/13/2017)	

#	Date	Proceeding Text	Source
2408	09/13/2017	CIVIL ACTION NO. 1:17-CV-3511-RWS 367 28:1332pl. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Ronne White vs. Johnson & Johnson. Filing fee $ 400, receipt number 113E-7378696. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons)(Sanders, Douglas)SUMMONS NOT E-ISSUED DUE TO NO ATTY ADDRESS. ATTY DOUGLAS SANDERS CONTACTED ON 9/14/2017 BY SWB AND WAS INFORMED TO ISSUE THE SUMMONS ONCE THE CASE IS OPEN(smw). Modified on 9/14/2017 (smw). (Entered: 09/13/2017)	
2409	09/13/2017	CIVIL ACTION NO. 1:17-CV-3512-TWT 190 28:1332fd. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint John Eastman vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7378916. (Attachments: # 1 Civil Cover Sheet, # 2 Summons)(Partin, Ranse)(smw). (Entered: 09/13/2017)	
2410	09/13/2017	CIVIL ACTION NO. 1:17-CV-3514-TCB 370 28:1441fr. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, MNDUSTRIES, INC. vs. MC MACHINERY SYSTEMS, INC.. Filing fee $ 400, receipt number 113E-7378628. (Attachments: # 1 Civil Cover Sheet Civil Cover Sheet, # 2 Exhibit Exhibit 1: Sheriff's Entry of Service, # 3 Exhibit Exhibit 2: Complaint, # 4 Exhibit Exhibit 3: Summons, # 5 Exhibit Exhibit 4: Standing Order, # 6 Exhibit Decl. of William Isaac)(Rosseland, Thomas)(smw). (Entered: 09/13/2017)	
2411	09/13/2017	CIVIL ACTION NO. 1:17-CV-3515-AT JFK 442 42:2000sx. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Shanita Parson vs. Your Wireless Georgia Management, LLC. Filing fee $ 400, receipt number 113E-7379629. (Attachments: # 1 Civil Cover Sheet)(Billips, Matthew)(smw). (Entered: 09/13/2017)	
2412	09/13/2017	CIVIL ACTION NO. 1:17-CV-3516-WSD 196 28:1441bc. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, National Indoor RV Centers-GA, LLC vs. Jayco, Inc.. Filing fee $ 400, receipt number 113E-7379740. (Attachments: # 1 Defendant's Notice of Removal, # 2 Exhibit 1, # 3 Exhibit 2)(Prybylski, Cheryl)(smw). (Entered: 09/13/2017)	
2413	09/13/2017	CIVIL ACTION NO. 1:17-CV-3517-RWS 367 28:1332pl. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Robert Hodge vs. Ethicon, Inc.. Filing fee $ 400, receipt number 113E-7379971. (Attachments: # 1 Civil Cover Sheet)(Garrard, Henry)(smw). (Entered: 09/13/2017)	
2414	09/13/2017	CIVIL ACTION NO. 1:17-CV-3518-SCJ 791 29:1132. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Stefano Gofan vs. The Lincoln National Life Insurance Company. Filing fee $ 400, receipt number 113E-7380010. (Attachments: # 1 Civil Cover Sheet)(Behrman, Kenneth)(smw). (Entered: 09/13/2017)	
2415	09/13/2017	CIVIL ACTION NO. 1:17-CV-3519-LMM 791 29:1132. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint James Vinson vs. Life Insurance Company of North America. Filing fee $ 400, receipt number 113E-7380021. (Attachments: # 1 Civil Cover Sheet)(Ward, Kurt)(smw). (Entered: 09/13/2017)	
2416	09/13/2017	CIVIL ACTION NO. 1:17-CV-3520-MHC JSA 480 15:1692. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Matthew Lewis vs. Midland Funding, LLC. Filing fee $ 400, receipt number 113E-7380320. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - Default Judgement, # 3 Exhibit B - September 28, 2016 Dunning letter, # 4 Exhibit C - Feingold Affidavit, # 5 Exhibit D - Summons of Continuing Garnishment, # 6 Summons as to Cooling & Winter LLC, # 7 Summons as to Midland Funding)(Carlson, Clifford)(smw). (Entered: 09/13/2017)	

#	Date	Proceeding Text	Source
2417	09/13/2017	CIVIL ACTION NO. 1:17-CV-3521-SCJ 446 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Holt, Dakota vs. Gursha Ethiopian Cuisine LLC. Filing fee $ 400, receipt number 113E-7380393. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Gursha Ethiopian Cuisine LLC, # 3 Summons as to Defendant Sam & Samita LLC)(Ehrlich, Craig)(smw). (Entered: 09/13/2017)	
2418	09/13/2017	CIVIL ACTION NO. 1:17-CV-3522-LMM 446 42:12101. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Blinkhorn, Jessica vs. Bluebird Cantina, Inc.. Filing fee $ 400, receipt number 113E-7380396. (Attachments: # 1 Civil Cover Sheet, # 2 Summons as to Defendant Bluebird Cantina, Inc., # 3 Summons as to Defendant Blue Chip Pizza Products, LLC)(Ehrlich, Craig)(smw). (Entered: 09/13/2017)	
2419	09/13/2017	CIVIL ACTION NO. 1:17-CV-3523-ELR 190 28:1332fd. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Kevin O'Neill vs. Equifax, Inc.. Filing fee $ 400, receipt number 113E-7380406. (Attachments: # 1 Civil Cover Sheet)(Bain, David)(smw). (Entered: 09/13/2017)	
2420	09/13/2017	CIVIL ACTION NO. 1:17-CV-3524-ODE 710 29:0216b. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint JUSTIN WATT vs. 1 CHOICE SOLUTION, LLC. Filing fee $ 400, receipt number 113E-7380411. (Attachments: # 1 Civil Cover Sheet, # 2 Summons upon 1 Choice Solution, LLC, # 3 Summons upon Randall Sigler)(Smith, Tequiero)(smw). (Entered: 09/13/2017)	
2421	09/14/2017	CIVIL ACTION NO. 1:17-CV-3526-CAP 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Demetria Dunlap vs. Allied Interstate LLC. Filing fee $ 400, receipt number 113E-7381274. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Summons For Allied Interstate LLC)(Gomez, Octavio)(smw). (Entered: 09/14/2017)	
2422	09/14/2017	CIVIL ACTION NO. 1:17-CV-3527-MHC 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Mary Branca vs. Comenity Bank. Filing fee $ 400, receipt number 113E-7381413. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Summons for Comenity Bank)(Gomez, Octavio)(smw). (Entered: 09/14/2017)	
2423	09/14/2017	CIVIL ACTION NO. 1:17-CV-3528-ELR 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Patricia Davis vs. SmartPay Leasing LLC. Filing fee $ 400, receipt number 113E-7381557. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Summons for SmartPay Leasing LLC)(Gomez, Octavio)(smw). (Entered: 09/14/2017)	
2424	09/14/2017	CIVIL ACTION NO. 1:17-CV-3529-CAP 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Patricia Davis vs. Synchrony Bank. Filing fee $ 400, receipt number 113E-7381588. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Summons for Synchrony Bank)(Gomez, Octavio)(smw). (Entered: 09/14/2017)	
2425	09/14/2017	CIVIL ACTION NO. 1:17-CV-3531-WSD 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint DeMarkus Taylor vs. OneMain Financial Group, LLC. Filing fee $ 400, receipt number 113E-7381655. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Summons for OneMain Financial Group, LLC)(Gomez, Octavio)(smw). (Entered: 09/14/2017)	
2426	09/14/2017	CIVIL ACTION NO. 1:17-CV-3532-TCB 710 29:0216b. TWO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Tiffany Currie vs. Ortho Sport & Spine Physicians, LLC.. Filing fee	

#	Date	Proceeding Text	Source
		$ 400, receipt number 113E-7381631. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Ortho Summons, # 3 Summons Oskouei Summons)(Molden-Clowney, Regina) (smw). (Entered: 09/14/2017)	
2427	09/14/2017	CIVIL ACTION NO. 1:17-CV-3533-AT 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Sharon Woodard vs. Capital One Bank (USA), National Association. Filing fee $ 400, receipt number 113E-7381708. (Attachments: # 1 Civil Cover Sheet, # 2 Summons Summons for Capital One Bank (USA), National Association)(Gomez, Octavio)(smw). (Entered: 09/14/2017)	
2428	09/14/2017	CIVIL ACTION NO. 1:17-CV-3534-SCJ CMS 863 42:0405wc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Darryl Denecha Harris vs. Nancy A. Berryhill, Commissioner of Social Security. No payment received. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Summons, # 4 Summons, # 5 Application to Proceed In Forma Pauperis)(Ginsberg, Jonathan) SUMMONS WILL BE E-ISSUED BY DOCKET CLERK UPON IFP APPROVAL(smw). (Entered: 09/14/2017)	
2429	09/14/2017	CIVIL ACTION NO. 1:17-CV-3535-RWS 367 28:1332pl. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint Michael Rivet vs. Johnson & Johnson. Filing fee $ 400, receipt number 113E-7381762. (Attachments: # 1 Civil Cover Sheet)(Schulte, Richard)(smw). (Entered: 09/14/2017)	
2430	09/14/2017	CIVIL ACTION NO. 1:17-CV-3536-MHC 360 28:1441pi. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Desiree Devine vs. Wal-Mart Stores, Inc.. Filing fee $ 400, receipt number 113E-7381920. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A - State Court Pleadings)(Lessinger, Howard) (smw). (Entered: 09/14/2017)	
2431	09/14/2017	CIVIL ACTION NO. 1:17-CV-3544-CAP 190 28:1332bc. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint SCOTT STEVEN DEROSSI vs. GEORGIA BOARD OF REGENTS. Filing fee $ 400, receipt number 113E-7382103. (Attachments: # 1 Exhibit EXHIBIT A, # 2 Exhibit EXHIBIT B, # 3 Exhibit EXHIBIT C, # 4 Exhibit EXHIBIT D, # 5 Exhibit EXHIBIT E, # 6 Civil Cover Sheet CIVIL COVER SHEET)(Brown, John)(smw). (Entered: 09/14/2017)	
2432	09/14/2017	CIVIL ACTION NO. 1:17-CV-3545-MHC LTW 442 42:2000ra. NO E-SUMMONS ISSUED. Case Initiating Documents-Complaint EQUAL EMPLOYMENT OPPORTUNITY COMMISSION vs. G.N.T., INC., D/B/A GNT FOODS. No payment received. (Attachments: # 1 Civil Cover Sheet)(Montesino, Sairalina)(smw). (Entered: 09/14/2017)	
2433	09/14/2017	CIVIL ACTION NO. 1:17-CV-3547-WSD 890 47:0227. ONE E-SUMMONS ISSUED. Case Initiating Documents-Complaint Timothy P. Weed vs. SunTrust Banks, Inc.. Filing fee $ 400, receipt number 113E-7382251. (Attachments: # 1 Civil Cover Sheet, # 2 Summons, # 3 Certificate of Interested Parties)(Lemberg, Sergei)(smw). (Entered: 09/14/2017)	
2434	09/14/2017	CIVIL ACTION NO. 1:17-CV-3548-AT 350 28:1441mv. NO E-SUMMONS ISSUED. Case Initiating Documents-Notice of Removal, Sean Williams vs. Central Transport, LLC. Filing fee $ 400, receipt number 113E-7382505. (Attachments: # 1 Exhibit A and B, # 2 Civil Cover Sheet)(Taylor, Bruce)(smw). (Entered: 09/14/2017)	
2435			

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18-1309, Omega Patents, LLC v. CalAmp Corp.

US Circuit Court of Appeals - Federal Circuit

This case was retrieved on 09/06/2019

Header

Case Number: 18-1309
Date Filed: 12/19/2017
Date Full Case Retrieved: 09/06/2019
Status: Closed 04/08/2019
Misc: (999) 830: Patent Infringement (Fed. Question); Appeal

Participants

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18-1309, Omega Patents, LLC v. CalAmp Corp.

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Additional Case

Additional Case Information

Civil Private

Appeal from: United States District Court for the Middle District of Florida

District: 113A Division: 6 CaseNumber: 6:13-cv-01950-PGB-DCI DateFiled: 12/20/2013

Trial Judge: Paul G. Byron , Judge

Date NOA Filed: 12/11/2017

Proceedings

Date	#	Proceeding Text	Details
12/19/2017		Appeal docketed. Received: 12/12/2017. [483860] Fee/IFP due on 01/02/2018. Entry of Appearance due 01/02/2018. Certificate of Interest is due on 01/02/2018. Docketing Statement due 01/02/2018. Appellant/Petitioner's brief is due 02/20/2018. [FMS]	
12/21/2017		Filing fee paid in the United States District Court for the Middle District of Florida on 12/14/2017. [484638] [FMS]	
12/21/2017		Entry of appearance for Brian R. Gilchrist as principal counsel for Appellee Omega Patents, LLC. Service: 12/21/2017 by email. [484837] [Brian Gilchrist]	
12/21/2017		Certificate of Interest for the Appellee Omega Patents, LLC. Service: 12/21/2017 by email.	

18-1309, Omega Patents, LLC v. CalAmp Corp.

Date	#	Proceeding Text	Details
		[484840] [Brian Gilchrist]	
12/21/2017		Entry of appearance for Ryan T. Sanfurri as of counsel for Appellee Omega Patents, LLC. Service: 12/21/2017 by email. [484844] [Ryan Santurri]	
12/22/2017		NOTICE OF DEFICIENCY: The certificate of interest Document No. [4] filed by Appellee Omega Patents, LLC in 18-1309 is submitted on an outdated form and not completely filled out and therefore cannot be accepted for filing at this time. You are being afforded the opportunity to correct the deficiency. At the discretion of the court, the corrected document may be accepted for filing if received before midnight (EST) on the date of this notice. [485099] [FMS]	
12/22/2017		Corrected Certificate of Interest for the Appellee Omega Patents, LLC. Service: 12/22/2017 by email. [485215] [Brian Gilchrist]	
01/02/2018		Entry of appearance for Bryan C. Mulder as of counsel for Appellant CalAmp Corp.. Service: 01/02/2018 by email. [486801] [Bryan Mulder]	
01/02/2018		Entry of appearance for Stephanie P. Koh as of counsel for Appellant CalAmp Corp.. Service: 01/02/2018 by email. [486805] [Stephanie Koh]	
01/02/2018		Entry of appearance for Thomas D. Rein as of counsel for Appellant CalAmp Corp.. Service: 01/02/2018 by email. [486807] [Thomas Rein]	
01/02/2018		Entry of appearance for Constantine L. Trela, Jr. as of counsel for Appellant CalAmp Corp.. Service: 01/02/2018 by email. [486808] [Constantine Trela]	
01/02/2018		Certificate of Interest for the Appellant CalAmp Corp.. Service: 01/02/2018 by email. [486809] [Constantine Trela]	
01/02/2018		Docketing Statement for the Appellant CalAmp Corp.. Service: 01/02/2018 by email. [486811] [Constantine Trela]	
01/03/2018		Docketing Statement for the Appellee Omega Patents, LLC. Service: 01/03/2018 by email. [487173] [Brian Gilchrist]	
01/24/2018		MOTION of Appellant CalAmp Corp. to extend the time to 04/20/2018 at 11:59 pm to file the appellant/petitioner's principal brief. Any response is due within 10 days of service [Consent: unopposed]. Service: 01/24/2018 by email. [492451] [Constantine Trela]	

18-1309, Omega Patents, LLC v. CalAmp Corp.

Date	#	Proceeding Text	Details
01/25/2018		**TEXT ONLY** ORDER granting motion to extend time to file appellant's principal brief filed by Appellant CalAmp Corp. The brief is due 04/20/2018. Service as of this date by Clerk of Court. This order has been issued without an attached document and is official and binding. [492534] [FMS]	
01/25/2018		CLERK'S OFFICE QUALITY CONTROL MESSAGE: re: motion to extend time to file appellant/petitioner principal brief Docket No. , ERROR: Appellant's motion did not contain the required certificate of compliance with the word count. CORRECTION: Pursuant to FRAP 32(g)(1), motions must contain a certificate of compliance with the word count. Please ensure future motions include the certificate of compliance.. THIS MESSAGE IS FOR INFORMATIONAL PURPOSES ONLY. [492535] [FMS]	
04/20/2018		TENDERED from Appellant CalAmp Corp.. Title: OPENING BRIEF. Service: 04/20/2018 by email. [515783] [18-1309] "This brief has been rejected. See Doc No. [Constantine Trela]	
04/24/2018		NOTICE OF REJECTION: The brief of Appellant CalAmp Corp., Opening Brief , is not in compliance with the rules of this court and is therefore rejected for filing. Corrected Brief is due 05/08/2018. Appellee Omega Patents, LLC brief is due 05/30/2018. Service as of this date by the Clerk of Court. [516274] [JB]	
04/25/2018		TENDERED from Appellant CalAmp Corp.. Title: CORRECTED OPENING BRIEF. Service: 04/25/2018 by email. [516831] [18-1309] This brief has been corrected. See Doc. No. . [Constantine Trela]	
04/25/2018		CORRECTED BRIEF FILED for Appellant CalAmp Corp. . Number of Pages: 63. Service: 04/25/2018 by email. The paper copies of the brief should be received by the court on or before 05/04/2018. [517299] This brief has been corrected. See Doc. No. . [JB]	
04/30/2018		6 paper copies of the Corrected Opening Brief received from Appellant CalAmp Corp. [517709] [JCP]	
05/30/2018		TENDERED from Appellee Omega Patents, LLC. Title: RESPONSE BRIEF. Service: 05/30/2018 by email. [525651] [18-1309] [Brian Gilchrist]	
05/30/2018		BRIEF FILED for Appellee Omega Patents, LLC . Number of Pages: 60. Service: 05/30/2018 by email. The paper copies of the brief should be received by the court on or before 06/12/2018. The reply brief is due	

18-1309, Omega Patents, LLC v. CalAmp Corp.

Date	#	Proceeding Text	Details
		06/13/2018. [527008] [CFT]	
06/01/2018		MOTION of Appellant CalAmp Corp. to extend the time to 07/03/2018 to file the Reply Brief. [Consent: unopposed]. Service: 06/01/2018 by email. [526313] [18-1309] [Constantine Trela]	
06/05/2018		**TEXT ONLY** ORDER granting motion to extend time to file brief filed by Appellant CalAmp Corp. The reply brief is due 07/03/2018. Service as of this date by the Clerk of Court. This order has been issued without an attached document and is official and binding. [527012] [CFT]	
06/11/2018		6 paper copies of the Opening Response Brief received from Appellee Omega Patents, LLC. [528408] [CJF]	
07/02/2018		TENDERED from Appellant CalAmp Corp.. Title: REPLY BRIEF. Service: 07/02/2018 by email. [533227] [18-1309] [Constantine Trela]	
07/02/2018		REPLY BRIEF FILED for Appellant CalAmp Corp. . Number of Pages: 33. Service: 07/02/2018 by email. The paper copies of the brief should be received by the court on or before 07/11/2018. Appendix is due 07/09/2018. [533480] [JB]	
07/03/2018		Joint Statement of Compliance with Fed. Cir. R. 33 for Appellant CalAmp Corp.. Service: 07/03/2018 by email. [533467] [18-1309] [Constantine Trela]	
07/05/2018		6 paper copies of the Reply Brief received from Appellant CalAmp Corp.. [533722] [CJF]	
07/09/2018		TENDERED from Appellant CalAmp Corp.. Title: JOINT APPENDIX. Service: 07/09/2018 by email. [534405] [18-1309] [Constantine Trela]	
07/09/2018		APPENDIX FILED (4 vols.) for CalAmp Corp. . Number of Pages: 2131. Service: 07/09/2018 by email. The paper copies of the brief should be received by the court on or before 07/18/2018. [535170] [SJ]	
07/11/2018		Pursuant to Practice Note 34, counsel should advise the clerk of court of scheduling conflicts for the next three court weeks, or thereafter. When filing the notice of conflicts, counsel should docket the Notice Regarding Conflicts with Argument Dates event, which is found in the Calendar event category.. [535173] [SJ]	
07/12/2018		6 paper copies of the Joint Appendix Brief (Vol. I - IV) received from Appellant CalAmp Corp.. [535445] [CJF]	
07/13/2018		Notice from Appellee Omega Patents, LLC	

Date	#	Proceeding Text	Details
		regarding conflicts with oral argument (October 4 and October 5, 2018). Service: 07/13/2018 by email. [535872] [18-1309] [Ryan Santurri]	
07/16/2018		Notice from Appellant CalAmp Corp. regarding conflicts with oral argument (not available for oral argument on December 5 or 6, 2018.). Service: 07/16/2018 by email. [536018] [18-1309] [Constantine Trela]	
11/02/2018		Citation of Supplemental Authority pursuant to Fed. R. App. P. 28(j) for Appellant CalAmp Corp.. Service: 11/02/2018 by email. [562151] [18-1309] [Constantine Trela]	
11/19/2018		NOTICE OF ORAL ARGUMENT. Panel: 1901I. Case scheduled Jan 09, 2019 10:00 a.m. at the United States Court of Appeals for the Federal Circuit (Howard T. Markey National Courts Building, 717 Madison Place, NW Washington, DC 20439), Courtroom 203. Response to Notice of Oral Argument due: 12/17/2018. Please review the attached Notice. The response to notice of oral argument form can be found here. The Oral Argument Guide can be found here. [566358] [JAB]	
11/21/2018		Response to notice of oral argument from the Appellant CalAmp Corp.. [567091] [18-1309] [Constantine Trela]	
11/21/2018		Response to notice of oral argument from the Appellee Omega Patents, LLC. [567171] [18-1309] [Brian Gilchrist]	
12/06/2018		MODIFIED ENTRY: CORRECTED BRIEF FILED for Appellant CalAmp Corp. Number of Pages: 63. Service: 12/06/2018 by email. The paper copies of the corrected brief should be received by the court on or before 12/17/2018. [570040]--[Edited 12/10/2018 by JAB - compliance review complete] [Constantine Trela]	
12/10/2018		Notice of Correction to the Brief Doc No. for Appellant CalAmp Corp. Service: 12/10/2018 by email. [570479] [18-1309]--[Edited 12/10/2018 by JAB to correct docket text] [Constantine Trela]	
12/11/2018		6 paper copies of the Corrected Opening Brief received from Appellant CalAmp Corp.. [570889] [CJF]	
01/09/2019		Submitted after ORAL ARGUMENT by Constantine L. Trela, Jr. for CalAmp	

18-1309, Omega Patents, LLC v. CalAmp Corp.

Date	#	Proceeding Text	Details
		Corp. and Brian R. Gilchrist for Omega Patents, LLC. Panel: Judge: Prost , Judge: Dyk , Judge: Wallach. [576901] [JAB]	
01/15/2019		Citation of Supplemental Authority pursuant to Fed. R. App. P. 28(j) for Appellant CalAmp Corp.. Service: 01/15/2019 by email. [578106] [18-1309] [Constantine Trela]	
01/28/2019		MODIFIED ENTRY: RESPONSE of Appellee Omega Patents, LLC to the supplemental authority filed by Appellant CalAmp Corp. in 18-1309. Service: 01/28/2019 by email. [581511]--[Edited 01/29/2019 by JCA - Reason: to reflect correct filing event] [Brian Gilchrist]	
04/08/2019		OPINION filed for the court by Prost, Chief Judge; Dyk, Circuit Judge and Wallach, Circuit Judge. Precedential Opinion. [598345] [PBC]	
04/08/2019		JUDGMENT filed. AFFIRMED-IN-PART, REVERSED-IN-PART, VACATED-IN-PART, AND REMANDED. Terminated on the merits after oral argument. COSTS: No Costs. Mandate to issue in due course. For information regarding costs, petitions for rehearing, and petitions for writs of certiorari click here. [598349] [PBC]	
05/06/2019		Petition for en banc rehearing, for panel rehearing filed by Appellant CalAmp Corp.. Service: 05/06/2019 by email. The paper copies of the petition must be filed within two business days (see Fed. Cir. R. 35(c)(4).The required paper copies should be received by the court on or before 05/08/2019 [605224] [18-1309] [Constantine Trela]	
05/07/2019		The court invites a response from Appellee Omega Patents, LLC to the petition for panel rehearing, petition for en banc rehearing filed by Appellant in 18-1309. The response is due on or before 05/21/2019. [605384] [JAB]	
05/07/2019		18 paper copies of the petition for en banc rehearing , petition for panel rehearing received from Appellant CalAmp Corp. [605462] [PBC]	
05/21/2019		RESPONSE of Appellee Omega Patents, LLC to the petition filed by Appellant CalAmp Corp., petition filed by Appellant CalAmp Corp.. Service: 05/21/2019 by email. [608833] [18-1309] [Brian Gilchrist]	
05/30/2019		Notice to counsel for Appellee Omega Patents, LLC: The record of this case indicates that the paper copies of the	

Date	#	Proceeding Text	Details
		response to rehearing petition (see Fed. Cir. R. 35(c)(4)) have not been filed. The required paper copies should be received by the court on or before 06/03/2019. Service as of this date by the Clerk of Court. [610338] [JAB]	
05/31/2019		18 paper copies of the response received from Appellee Omega Patents, LLC. [610688] [JAB]	
06/24/2019		ORDER filed denying petition for panel rehearing filed by CalAmp Corp.; denying petition for en banc rehearing filed by CalAmp Corp. By: En Banc (Per Curiam). Service as of this date by the Clerk of Court. [616372] [JAB]	
07/01/2019		Mandate issued to the United States District Court for the Middle District of Florida. Service as of this date by the Clerk of Court. [618058] [JAB]	

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Results for: US PAT 8032278 or 8,032,278

Cases (6) Sort by: Relevance

1. Omega Patents, LLC v. CalAmp Corp.

   United States District Court for the Middle District of Florida, Orlando Division | Jan 05, 2016 | 2016 U.S. Dist. LEXIS 174577
   ... U.S. Patent No. 7,671,727 ("the '727 Patent") , and **U.S. Patent No. 8,032,278** ("the '278 Patent") (collectively, the "patents-in-suit"). (Doc. 1). The patents-in-suit relate ...

2. Omega Patents, LLC v. CalAmp Corp.

   United States District Court for the Middle District of Florida, Orlando Division | Jan 13, 2016 | 2016 U.S. Dist. LEXIS 174576
   ... U.S. Patent No. 7,671,727 ("the '727 Patent") , and **U.S. Patent No. 8,032,278** ("the '278 Patent") (collectively, the "patents-in-suit"). (Doc. 1). The patents-in-suit relate ...

3. Omega Patents, LLC v. Calamp Corp.

   United States District Court for the Middle District of Florida, Orlando Division | Sep 22, 2017 | 2017 U.S. Dist. LEXIS 186645
   ... U.S. Patent No. 7,671,727 ("the '727 Patent") , and **U.S. Patent No. 8,032,278** ("the '278 Patent") (collectively, the "patents-in-suit"). (Doc. 1). Omega attached to ...

4. Omega Patents, LLC v. CalAmp Corp.

   United States District Court for the Middle District of Florida, Orlando Division | Apr 06, 2017 | 2017 U.S. Dist. LEXIS 55846
   ... 1, 10, and 11. (Id. at p. 4). , and **U.S. Patent No. 8,032,278** ("the '278 Patent") 4 The jury found infringement of claims 1-6, ...

5. Omega Patents, LLC v. CalAmp Corp.

   United States Court of Appeals for the Federal Circuit | Apr 08, 2019 | 920 F.3d 1337

   Overview: In this patent infringement action, jury's verdict of infringement as to claim 12 of the '876 patent and all asserted claims of the '885 patent was set aside because the instant court could not discern if the jury found infringement of the claims at issue based upon a theory of infringement inconsistent with the proper construction.

   ... 6,756,885 ('885 patent) , 7,671,727 ('727 patent) , and **8,032,278** ('278 patent) were infringed and are not invalid. We affirm the ...

6. Omega Patents, LLC v. Calamp Corp.

   United States District Court for the Middle District of Florida, Orlando Division | Feb 20, 2015 | 2015 U.S. Dist. LEXIS 194173
   ... '885 Patent "); 7,671,727 (the " '727 Patent "); and **8,032,278** (the " '278 Patent "). (Doc. 38, p. 2). I. BACKGROUND ...

Content type: Cases

Terms: US PAT 8032278 or 8,032,278

Search Type: Boolean - Fewer Results

Narrow By: Sources: U.S. District Court Cases or U.S. Court of Appeals for the Federal Circuit Cases or U.S. Court of Appeals Cases or U.S. Supreme Court Cases

Date and Time: Nov 13, 2019 11:20:50 a.m. EST

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Results for: US PAT 8032278 or 8,032,278

Administrative Materials (2) Sort by: Relevance

1. Ex parte OMEGA PATENTS, L.L.C. Patent Owner and Appellant

   USPTO Patent Decisions: BPAI and PTAB | Nov 13, 2018 | 2018 Pat. App. LEXIS 8955 | Appeal 2018-008119; Reexamination Control 90/013,851; United States Patent 8,032,278 B2; Technology Center 3900
   ... Patent Owner and Appellant Appeal 2018-008119; Reexamination Control 90/013,851; United States **Patent 8,032,278** B2; Technology Center 3900 November 13, 2018 , Decided ROUTINE OPINION. ...
   ... reexamination filed on October 28, 2016 of United States **Patent 8,032,278** ("the '278 patent") , issued to Kenneth E. Flick on October ...
   ... claims. See App. Br. 9-12; Reply Br. 3; see also US **8,032, 278** C1, issued Dec. 28, 2016. THE REJECTIONS The Examiner rejected claims ...

2. Ex parte KENNETH E. FLICK n1 n1 This paper is captioned by inventor name according to our pre-AIA convention. The AIA Applicant/Appellant and real party in interest is Omega Patents, L.L.C. (See App.

   USPTO Patent Decisions: BPAI and PTAB | Aug 01, 2017 | 2017 Pat. App. LEXIS 7272 | Appeal 2016-003454; Application 13/826,752; Technology Center 3600
   ... al. US 2008/0039998 A1 Feb. 14, 2008 Flick ("Flick '278") US **8,032,278** B2 Oct. 4, 2011 Flick ("Flick '886") US 8,362,886 B2 Jan. ...

Content type: Administrative Materials
Terms: US PAT 8032278 or 8,032,278
Search Type: Boolean - Fewer Results
Narrow By: Sources: Federal; Administrative Materials, Federal; Administrative Materials
Date and Time: Nov 13, 2019 11:22:23 a.m. EST

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Results for: US PAT 8032278 or 8,032,278

News (34) Sort by: Relevance

1. Briefing.com: Hourly in Play (R) - 07:00 ET

Briefing.com | Oct 03, 2019 | 5282 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

2. Briefing.com: Hourly in Play (R) - 07:00 ET

Briefing.com | Oct 03, 2019 | 5282 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

3. Briefing.com: Hourly in Play (R) - 08:00 ET

Briefing.com | Oct 03, 2019 | 8117 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

4. Briefing.com: Hourly in Play (R) - 08:00 ET

Briefing.com | Oct 03, 2019 | 8117 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

5. Briefing.com: Hourly in Play (R) - 09:00 ET

Briefing.com | Oct 03, 2019 | 10713 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

6. Briefing.com: Hourly in Play (R) - 11:00 ET

Briefing.com | Oct 03, 2019 | 12272 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

7. Briefing.com: Hourly in Play (R) - 12:00 ET

Briefing.com | Oct 03, 2019 | 12566 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

8. Briefing.com: Hourly in Play (R) - 14:00 ET

Briefing.com | Oct 03, 2019 | 15028 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

9. Briefing.com: Hourly in Play (R) - 14:00 ET

Briefing.com | Oct 03, 2019 | 15028 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

10.

Briefing.com: Hourly in Play (R) - 15:00 ET

Briefing.com | Oct 03, 2019 | 15602 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

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11. Briefing.com: Hourly in Play (R) - 15:00 ET

Briefing.com | Oct 03, 2019 | 15602 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

---

12. Briefing.com: Hourly in Play (R) - 16:00 ET

Briefing.com | Oct 03, 2019 | 17077 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

---

13. Briefing.com: Hourly in Play (R) - 16:00 ET

Briefing.com | Oct 03, 2019 | 17077 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

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14. Briefing.com: Hourly in Play (R) - 17:00 ET

Briefing.com | Oct 03, 2019 | 19662 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

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15. Briefing.com: Hourly in Play (R) - 17:00 ET

Briefing.com | Oct 03, 2019 | 19662 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

---

16. Briefing.com: Hourly in Play (R) - 18:00 ET

Briefing.com | Oct 03, 2019 | 19974 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

---

17. Briefing.com: Hourly in Play (R) - 18:00 ET

Briefing.com | Oct 03, 2019 | 19974 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

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18. Briefing.com: Hourly in Play (R) - 19:00 ET

Briefing.com | Oct 03, 2019 | 19974 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

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19. Briefing.com: Hourly in Play (R) - 19:00 ET

Briefing.com | Oct 03, 2019 | 19974 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

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20. Briefing.com: Hourly in Play (R) - 20:00 ET

Briefing.com | Oct 03, 2019 | 19974 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

21. Briefing.com: Hourly in Play (R) - 20:00 ET

Briefing.com | Oct 03, 2019 | 19974 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

---

22. Briefing.com: Hourly in Play (R) - 21:00 ET

Briefing.com | Oct 03, 2019 | 19974 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

---

23. Briefing.com: Hourly in Play (R) - 21:00 ET

Briefing.com | Oct 03, 2019 | 19974 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

---

24. Briefing.com: Hourly in Play (R) - 22:00 ET

Briefing.com | Oct 03, 2019 | 19974 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

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25. Briefing.com: Hourly in Play (R) - 22:00 ET

Briefing.com | Oct 03, 2019 | 19974 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

---

26. Briefing.com: Hourly in Play (R) - 23:00 ET

Briefing.com | Oct 03, 2019 | 19974 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

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27. Briefing.com: Hourly in Play (R) - 23:00 ET

Briefing.com | Oct 03, 2019 | 19974 words
... assessed $1 in damages. On the second patent (U.S. Pat. No. **8,032,278**), the jury found direct infringement and awarded damages at a ...

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28. U.S. Patents Awarded to Inventors in Georgia (Oct. 6)

Targeted News Service | Oct 06, 2011 | 2486 words | Targeted News Service Targeted News Service
... (11/773,272). The full-text of the patent can be found at http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnetahtml%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&co1=AND&d=PTXT&s1= **8,032,278**&OS=**8,032,278**&RS=**8,032,278** Written by Satyaban Rath; edited by Hemanta Panigrahi. *** Emory University ...
... -- Omega Patents, Douglasville, Ga., has been assigned a patent (**8,032,278**) developed by Kenneth E. Flick, Douglasville, Ga., for "vehicle tracking ...

---

29. Omega Patents Assigned Patent

Targeted News Service | Oct 06, 2011 | 282 words | Targeted News Service
... (11/773,272). The full-text of the patent can be found at http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnetahtml%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&co1=AND&d=PTXT&s1= **8,032,278**&OS=**8,032,278**&RS=**8,032,278** Written by Satyaban Rath; edited by Hemanta Panigrahi. For more information ...
... -- Omega Patents, Douglasville, Ga., has been assigned a patent (**8,032,278**) developed by Kenneth E. Flick, Douglasville, Ga. , for "vehicle ...

30.

District Court Rules Plaintiff Need Not Come Forward with Evidence of Priority Date Earlier than Patent Application Until Defendant Produces Clear and Convincing Evidence of Invalidating Prior Art and Summary Chart Is Not Sufficient

Newstex Blogs | Feb 03, 2016 | 185 words | Jeffer Mangels Butler Mitchell LLP
... Patent No. 7,671,727 ("the '727 Patent"), and U.S. Patent No. **8,032,278** ("the '278 Patent"). The patents relate to control systems for vehicles ...

---

31. PTO Litigation Center Report - September 15, 2015

Newstex Blogs | Sep 15, 2015 | 515 words | Sterne Kessler Goldstein Fox
... 3600<nl/>Newly-Posted Reexam Requests<nl/>Control # - 90/013,587<nl/>Date - 9/14/2015<nl/>Patent # - **8,032,278** <nl/>Inventor - FLICK, Kenneth E.<nl/>Assignee - OMEGA PATENTS, L.L.C. <nl/>Title - ...

---

32. Omega Patents Wraps up One Case and Launches Another

Newstex Blogs | Mar 11, 2013 | 476 words
... products infringe U.S. Patent No. 6,346,876[6], U.S. Patent No. 7,671,727[7], U.S. Patent No. **8,032,278** [8], and U.S. Patent No. 8,362,886[9]. According to the complaint, Kenneth Flick ...

---

33. US Patent Issued to Omega Patents on Oct. 4 for "Vehicle Tracking Unit with Downloadable Codes and Associated Methods" (Georgia Inventor)

US Fed News | Oct 10, 2011 | 267 words
... Va. , Oct. 10 -- United States Patent no. **8,032,278** , issued on Oct. 4, was assigned to Omega Patents LLC ...

---

34. Omega Wins $4.6M in Infringement Retrial Against CalAmp

WebNews - English | Oct 02, 2019 | NEWS | 479 words | Law360
Law360NEWS479 wordsA federal jury in Orlando has awarded $4.6 million to Omega Patents LLC in the retrial of its patent infringement case against CalAmp Corp. over vehicle-tracking technology --- more money than a jury awarded in a first trial whose outcome the Federal Circuit... A federal jury in...

Content type: News
Terms: US PAT 8032278 or 8,032,278
Search Type: Boolean - Fewer Results
Narrow By: Sources: News
Date and Time: Nov 13, 2019 11:24:32 a.m. EST

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
90/014,309	05/24/2019	8032278	C13-03896.RE3	8724

7590 11/04/2019
CHRISTOPHER F. REGAN, ESQUIRE
ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, PA
PO BOX 3791
ORLANDO, FL 32802-3791

EXAMINER
SAGER, MARK ALAN

ART UNIT	PAPER NUMBER
3992	

MAIL DATE	DELIVERY MODE
11/04/2019	PAPER

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Alexandria, VA 22313-1450
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THIRD PARTY REQUESTER'S CORRESPONDENCE ADDRESS

Date: November 4, 2019

KPPB, LLP (CALAMP)
2190 S. T0WNE CENTRE PLACE
SUITE 300
ANAHEIM, CA 92806

EX PARTE REEXAMINATION COMMUNICATION TRANSMITTAL FORM

REEXAMINATION CONTROL NO. : 90014309
PATENT NO. : 8032278
ART UNIT : 3993

Enclosed is a copy of the latest communication from the United States Patent and Trademark Office in the above identified ex parte reexamination proceeding (37 CFR 1.550(f)).

Where this copy is supplied after the reply by requester, 37 CFR 1.535, or the time for filing a reply has passed, no submission on behalf of the ex parte reexamination requester will be acknowledged or considered (37 CFR 1.550(g)).

Decision Expunging/Returning Papers in Reexamination	Control No.: **90/014,309**

1. ☒ THIS IS A DECISION EXPUNGING THE PAPERS FILED **October 30, 2019** by **Patent Owner** from the record of the reexamination proceeding(s). Since each expunged paper does not form part of the record, it is being expunged by marking it "closed" and "not public" in the Office's Image File Wrapper (IFW) system.
   ☐ THIS IS A DECISION RETURNING/DESTROYING THE PAPER(S) FILED_____.

2. The papers being ☒ expunged ☐ returned ☐ destroyed are:

   Patent Owner's paper titled "FILING UNDER 37 C.F.R §1.565" filed October 30, 2019.

   This decision will be made of record in the reexamination file(s).

3. THE ABOVE-IDENTIFIED PAPERS LACK A RIGHT OF ENTRY BECAUSE:
   A. ☐ Patent Owner may not file papers in the record prior to the order granting/denying reexamination (*ex parte*) or first action (*inter partes*). 37 CFR §§1.530(a) and 1.939(b).
   B. ☐ Third party requester in an *ex parte* reexamination may not file papers in the reexamination file subsequent to the request, except a reply to a proper patent owner statement under 37 CFR 1.530 *or a notice of concurrent proceedings as described in MPEP 2282*. See 37 CFR §§1.535 and 1.550(g).
   C. ☐ Third party requester in an *inter partes* reexamination may not file papers in the record, except as specified in the rules, 37 CFR §§1.947, 1.951(b) and 1.983, and 37 CFR §§ 41.61-79, other than a notice of concurrent proceedings as described in MPEP 2686. See 37 CFR1.939.
   D. ☐ Parties other than patent owner and a third party requester may not file documents in the record except a notice of concurrent proceedings. See 37 CFR
   E. ☒ The notice of concurrent proceedings exceeds the permitted scope. See MPEP 2282.
   F. ☒ Other: **Patent Owner's October 30, 2019 paper titled "FILING UNDER 37 C.F.R §1.565" is not a proper submission pursuant to 37 CFR 1.565(a). Submissions made pursuant 37 CFR 1.565(a) is limited to informing "the Office of any prior or concurrent proceedings *in which the patent is or was involved*" (See 37 CFR 1.565(a)) and "must not include further arguments or information" (See MPEP 2282). Patent Owner's 37 CFR 1.565 submission is not limited to 'bare notice' of the concurrent proceedings and includes a discussion of the history of a previous reexamination proceeding not involving the patent in the instant reexamination proceeding and further includes a discussion of the how the claims of that patent relate to the patent involved in this proceeding. Thus, the notice exceeds the scope permitted by MPEP 2282 and 37 CFR 1.565. Accordingly, the submission does not comply with 37 CFR 1.565(a) and the papers have been expunged from the record. No further papers from Patent owner prior to the Office's first action on the merits will be accepted with the exception of a proper Patent Owner statement pursuant to 37 CFR 1.530.**

4. CONCLUSION
   Telephone inquiries with regard to this decision should be directed to Stephen Stein at 571-272-1544, in the Central Reexamination Unit.

/Stephen J. Stein/ [*Signature*]	MQAS, Central Reexamination Unit (Title)

UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
90/014,309	05/24/2019	8032278	C13-03896.RE3	8724

7590 10/31/2019
CHRISTOPHER F. REGAN, ESQUIRE
ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, PA
PO BOX 3791
ORLANDO, FL 32802-3791

EXAMINER
SAGER, MARK ALAN

ART UNIT	PAPER NUMBER
3992	

MAIL DATE	DELIVERY MODE
10/31/2019	PAPER

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The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

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United States Patents and Trademark Office
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THIRD PARTY REQUESTER'S CORRESPONDENCE ADDRESS

KPPB, LLP (CALAMP)
2190 S. TOWNE CENTRE PLACE
SUITE 300
ANAHEIM, CA 92806

Date:

OCT 31 2019

EX PARTE REEXAMINATION COMMUNICATION TRANSMITTAL FORM

REEXAMINATION CONTROL NO. : 90014309
PATENT NO. : 8032278
ART UNIT : 3993

Enclosed is a copy of the latest communication from the United States Patent and Trademark Office in the above identified ex parte reexamination proceeding (37 CFR 1.550(f)).

Where this copy is supplied after the reply by requester, 37 CFR 1.535, or the time for filing a reply has passed, no submission on behalf of the ex parte reexamination requester will be acknowledged or considered (37 CFR 1.550(g)).

Decision Expunging/Returning Papers in Reexamination	Control No.: **90/014,309**

1. ☒ THIS IS A DECISION EXPUNGING THE PAPERS FILED **September 9, 2019** by **Patent Owner** from the record of the reexamination proceeding(s). Since each expunged paper does not form part of the record, it is being expunged by marking it "closed" and "not public" in the Office's Image File Wrapper (IFW) system.
   ☐ THIS IS A DECISION RETURNING/DESTROYING THE PAPER(S) FILED_____.

2. The papers being ☒ expunged ☐ returned ☐ destroyed are:

   Patent Owner's paper titled "FILING UNDER 37 C.F.R §1.565 and §41.37(c) (1) (ii)" filed September 9, 2019.

   This decision will be made of record in the reexamination file(s).

3. THE ABOVE-IDENTIFIED PAPERS LACK A RIGHT OF ENTRY BECAUSE:
   A. ☐ Patent Owner may not file papers in the record prior to the order granting/denying reexamination (*ex parte*) or first action (*inter partes*). 37 CFR §§1.530(a) and 1.939(b).
   B. ☐ Third party requester in an *ex parte* reexamination may not file papers in the reexamination file subsequent to the request, except a reply to a proper patent owner statement under 37 CFR 1.530 *or a notice of concurrent proceedings as described in MPEP 2282*. See 37 CFR §§1.535 and 1.550(g).
   C. ☐ Third party requester in an *inter partes* reexamination may not file papers in the record, except as specified in the rules, 37 CFR §§1.947, 1.951(b) and 1.983, and 37 CFR §§ 41.61-79, other than a notice of concurrent proceedings as described in MPEP 2686. See 37 CFR1.939.
   D. ☐ Parties other than patent owner and a third party requester may not file documents in the record except a notice of concurrent proceedings. See 37 CFR
   E. ☒ The notice of concurrent proceedings exceeds the permitted scope. See MPEP 2282.
   F. ☒ Other: **Patent Owner's September 9, 2019 paper titled "FILING UNDER 37 C.F.R §1.565 and §41.37(c) (1) (ii)" is not a proper submission pursuant to 37 CFR 1.565(a). Submissions made pursuant 37 CFR 1.565(a) must be limited "to the notification, and must not include further arguments or information" (See MPEP 2282). Patent Owner's 37 CFR 1.565 submission is not limited to 'bare notice' of the concurrent proceedings and includes a discussion of the history of a previous reexamination proceeding not involving the patent in the instant reexamination proceeding and further includes a discussion of the how the claims of that patent relate to the patent involved in this proceeding. Thus, the notice exceeds the scope permitted by MPEP 2282 and 37 CFR 1.565. Accordingly, the submission does not comply with 37 CFR 1.565(a) and the papers have been expunged from the record. No further papers from Patent owner prior to the Office's first action on the merits will be accepted with the exception of a proper Patent Owner statement pursuant to 37 CFR 1.530.**

4. CONCLUSION
   Telephone inquiries with regard to this decision should be directed to Stephen Stein at 571-272-1544, in the Central Reexamination Unit.

/Stephen J. Stein/ [*Signature*]	MQAS, Central Reexamination Unit (Title)

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
90/014,309	05/24/2019	8032278	C13-03896.RE3	8724

7590 07/10/2019
CHRISTOPHER F. REGAN, ESQUIRE
ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, PA
PO BOX 3791
ORLANDO, FL 32802-3791

EXAMINER
SAGER, MARK ALAN

ART UNIT	PAPER NUMBER
3992	

MAIL DATE	DELIVERY MODE
07/10/2019	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

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David J. Bailey
KPPB LLP
2190 S. Towne Centre, Suite 300
Anaheim CA 92806

EX PARTE REEXAMINATION COMMUNICATION TRANSMITTAL FORM

REEXAMINATION CONTROL NO. *90/014,309* .

PATENT UNDER REEXAMINATION *8032278* .

ART UNIT *3992* .

Enclosed is a copy of the latest communication from the United States Patent and Trademark Office in the above identified *ex parte* reexamination proceeding (37 CFR 1.550(f)).

Where this copy is supplied after the reply by requester, 37 CFR 1.535, or the time for filing a reply has passed, no submission on behalf of the *ex parte* reexamination requester will be acknowledged or considered (37 CFR 1.550(g)).

PTOL-465 (Rev.07-04)

Order Granting Request For Ex Parte Reexamination	Control No. 90/014,309	Patent Under Reexamination 8032278	
	Examiner MARK A SAGER	Art Unit 3992	AIA (FITF) Status No

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

The request for *ex parte* reexamination filed 05/24/2019 has been considered and a determination has been made. An identification of the claims, the references relied upon, and the rationale supporting the determination are attached.

Attachments: a)☐ PTO-892, b)☑ PTO/SB/08, c)☐ Other: ____

1. ☑ The request for *ex parte* reexamination is GRANTED.

RESPONSE TIMES ARE SET AS FOLLOWS:

For Patent Owner's Statement (Optional): TWO MONTHS from the mailing date of this communication (37 CFR 1.530 (b)). **EXTENSIONS OF TIME ARE GOVERNED BY 37 CFR 1.550(c).**

For Requester's Reply (optional): TWO MONTHS from the **date of service** of any timely filed Patent Owner's Statement (37 CFR 1.535). **NO EXTENSION OF THIS TIME PERIOD IS PERMITTED.** If Patent Owner does not file a timely statement under 37 CFR 1.530(b), then no reply by requester is permitted.

/MARK SAGER/ Primary Examiner, Art Unit 3992		

cc:Requester (if third party requester)

Ou Decision

Third Party requester submitted a request for reexamination with a filing date of May 24, 2019, requesting reexamination of claims 1-22 of U.S. Patent No. 8,032,278 (hereinafter also referred to as '278). A substantial new question of patentability affecting claims 1-22 of U.S. Patent No. 8,032,278 in effect at this time is raised by the request for *ex parte* reexamination. Accordingly, claims 1-22 will be reexamined. For reference, numbered pages 5-50 discuss prosecution history while pages 50-77 discuss the SNQs herein.

Extensions of Time

Extensions of time under 37 CFR 1.136(a) will not be permitted in these proceedings because the provisions of 37 CFR 1.136 apply only to "an applicant" and not to parties in a reexamination proceeding. Additionally, 35 U.S.C. 305 requires that reexamination proceedings "will be conducted with special dispatch" (37 CFR 1.550(a)). Extension of time in *ex parte* reexamination proceedings are provided for in 37 CFR 1.550(c).

Notification of Concurrent Proceedings

The patent owner is reminded of the continuing responsibility under 37 CFR 1.565(a) to apprise the Office of any litigation activity, or other prior or concurrent proceeding, involving Patent No. 8032278 throughout the course of this reexamination proceeding. The third party requester is also reminded of the ability to similarly apprise the Office of any such activity or proceeding throughout the course of this reexamination proceeding. See MPEP §§ 2207, 2282 and 2286.

Amendment in Reexamination Proceedings

Patent owner is notified that any proposed amendment to the specification and/or claims in this reexamination proceeding must comply with 37 CFR 1.530(d)-(j), must be formally

presented pursuant to 37 CFR 1.52(a) and (b), and must contain any fees required by 37 CFR 1.20(c).

Submissions

In order to insure full consideration of any amendments, affidavits or declarations or other documents as evidence of patentability, such documents must be submitted in response to the first Office action on the merits (which does not result in a close of prosecution). Submissions after the second Office action on the merits, which is intended to be a final action, will be governed by the requirements of 37 CFR 1.116, after final rejection and by 37 CFR 41.33 after appeal, which will be strictly enforced.

Waiver of Right to File Patent Owner Statement

In a reexamination proceeding, Patent Owner may waive the right under 37 C.F.R. 1.530 to file a Patent Owner Statement. The document needs to contain a statement that Patent Owner waives the right under 37 C.F.R. 1.530 to file a Patent Owner Statement and proof of service in the manner provided by 37 C.F.R. 1.248, if the request for reexamination was made by a third party requester, see 37 C.F.R 1.550(f). The Patent Owner may consider using the following statement in a document waiving the right to file a Patent Owner Statement:

WAIVER OF RIGHT TO FILE PATENT OWNER STATEMENT

Patent Owner waives the right under 37 C.F.R. 1.530 to file a Patent Owner Statement.

Service of Papers

After filing of a request for *ex parte* reexamination by a third party requester, any document filed by either the patent owner or the third party requester must be served on the other

party (or parties where two or more third party requester proceedings are merged) in the reexamination proceeding in the manner provided in 37 CFR 1.248. The document must reflect service or the document may be refused consideration by the Office. See 37 CFR 1.550(f).

References Asserted as Raising a Substantial New Question

The asserted substantial new question of patentability (SNQP) regarding claims 1-22 of the '278 Patent is based upon the following references:

(1) U.S. Patent No. **6,430,164** to **Jones et al**, published August 6, 2002, filed November 1 1999, (hereinafter also referred to as **'164, Jones**, or **Exhibit I**).

(2) "CellPort Delivers Wireless, Vehicle-Based Applications Platform; Announces CP2100 Mobile Network Server," published July 26, 1999, (hereinafter also referred to as **Cell Port Labs Press Release** or **Exhibit F**).

(3) "A Demonstration Project for the ITS Data Bus Prototype," published in 1998, (hereinafter also referred to as **Spelt** or **Exhibit G**).

(4) "Prep for a Multimedia Future," published August 19, 1999 (hereinafter also referred to as **Auto Electronics Publication** or **Exhibit H**).

(5) SAE HS-3000 publication, "SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual" (1994 and 1997 Editions), copyright 1994 and 1997 respectively, (hereinafter also referred to as **SAE HS-3000** or as **Exhibits J and K**).

The Request does not cite facts in Exhibit H to support any SNQP as required under 35 USC 304. However, as best understood, the facts in the publication are cited only in relation to dependent claims in proposed rejections. Thus, the publication is not further discussed herein.

Filing Date

The earliest effective filing date the '278 patent is entitled to is July 3, 2007 (see paragraph 2 of the 5/6/2016 non-final rejection of the 90/013,587 discussed *infra*).

Availability of Asserted References as Prior Art

The references to **Jones**, **Cell Port Labs Press Release**, **Spelt**, **Auto Electronics Publication** and **SAE HS-3000** include a/an publication/issue date more than one year prior to the effective filing date of June 3, 2007 of the '278 patent, see Request page 13, and thus are available as prior art under 35 USC 102(b) and 35 USC 103.

Summary of Prosecution History

U.S. Application 11/773,272 was filed on July 3, 2007 (hereinafter also referred to as '272 or the '272 application). The '272 application claimed continuity-in-part from Application No. 11/076,259 filed March 9, 2005 (hereinafter also referred to as '259 or the '259 application), which issued as Patent No. 7,720,597. The '259 application itself claimed continuity from Application No. 10/383,496 filed March 7, 2003 (hereinafter also referred to as '496 or the '496 application), which issued as Patent No. 7,149,623. The '496 application itself claimed continuity from Application No. 09/859,972 filed May 17, 2001 (hereinafter also referred to as '972 or the '972 application), which issued as Patent No. 6,606,561. The '972 application itself claimed the benefit of provisional patent application Serial Nos. 60/264,811 filed on January 29, 2001; 60/258,005, filed December 22, 2000; 60/251,552, filed December 6, 2000; 60/252,125, filed November 20, 2000; 60/236,890, filed September 29, 2000; 60/246,463, filed November 7, 2000; 60/222,777, filed August 3, 2000; and 60/205,178, filed May 17, 2000, the entire contents of each of which are incorporated herein by reference by '272.

Below are the pertinent Examiner's findings of fact relevant to this discussion:

'972 Application

U.S. Application 09/859,972 was filed on May 17, 2001. The application included a specification, claims, abstract and nine Figures. Claims 1-49 were directed to a vehicle tracking unit/system and claims 50-64 directed to a method for operating a vehicle tracking unit. On September 9, 2001, a preliminary amendment was filed including drawing modifications and a substitute specification.

A first non-final Office action was mailed by USPTO on January 23, 2001 rejecting all the claims. A PTO-892 accompanied such action cited US Patent No. **6,330,499** to **Chou et al**.

On December 13, 2002 a second FINAL rejection was mailed by the USPTO rejecting claims 1-29 and 50-50, allowing claims 30-49 and 58-64 and objecting to claims 5, 17 and 25. Claim 10 depending from claim 1 was rejected under 35 USC 103(a) as being unpatentable over Maggiora et al in view of "**Chou et al (6,330,499)**" (emphasis added) ("…Chou teaches a user interface for accepting at least one command from a user and sending at least one alert to the user (column 3, lines 5-15)").

In response an amendment after final was filed on February 7, 2003 amending claims 1, 13 and 22 and cancelling claims 5, 17, 25 and 50-57.

A Notice of Allowance indicating the allowability of claims 1-4, 6-16, 18-24, 26-49 and 58-64 was mailed by the USPTO on February 13, 2003.

The application issued as US Patent No. 6,606,561 on August 12, 2003.

'272 Application:

U.S. Application 11/773,272 was filed on July 3, 2007. The application included a specification, an abstract, thirty claims and fifteen Figures.

An Office action was mailed by USPTO on December 24, 2009. Claims 1-30 were subject to an election requirement between claims 1-22 drawn to a multi-vehicle tracking device/unit and claims 23-30 drawn to a method of using a multi-vehicle tracking device/unit.

A response to such Office Action was filed February 24, 2010. The response amended claims 13 and 18 to overcome various objections and provisionally elected claims 1-22 and withdrew claims 23-30.

A non-final Office action was mailed by USPTO on June 22, 2010. Claims 1-22 were rejected under 35 U.S.C. 103(a) as being unpatentable over Brinkmeyer et al. (US Pat. 5,940, 007).

A response to such Office Action was filed October 22, 2010. The response cancelled claims 23-30. The response also presented remarks submitting that Brinkmeyer et al. failed to disclose the multi-vehicle compatible controller being coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles, as recited by independent claim 1.

Another non-final Office Action was mailed by the USPTO on January 5, 2011. Claims 1-22 were rejected. The prior art combination of Monroe (US Pat. 6,253,064 B1) in view of Brinkmeyer et al. (US Pat. 5,940,007) was used to reject the claims.

A response to the Office Action was filed on April 5, 2011. The response presented remarks, i.e.:

> …the proposed prior art combination fails to disclose or fairly suggest each and every feature of the claimed invention. For example, the proposed prior art combination fails to disclose <u>the multi-vehicle compatible controller coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles</u>, as recited by independent Claim 1, for example….

> Furthermore, none of the applied prior art references discloses the multi-vehicle compatible tracking unit including a connector for temporary connection to a downloading device and a wireless receiver for temporary connection to a downloading device, as recited by the independent claims. Applicant notes that this claim feature enables a user to quickly download new vehicle codes into the multi-vehicle compatible tracking unit without removing and reinstalling the unit. (Emphasis original.)

A Notice of Allowance allowing claims 1-22 issued on June 28, 2011. The Notice set forth:

> Pending claims 1-22 are patentable over cited references of Monroe in view of Brinkmeyer et al., because these prior art do not make obvious a multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible vehicle tracking unit comprising: a vehicle position determining device; a wireless communications device; a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information; said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles wherein the corresponding at least one vehicle code is for writing to the at least one vehicle device; and a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller; said downloading interface comprising a connector for temporary connection to a downloading device.

(See finally rejected claims 13 and 15).

The application issued as US Patent No. 8,032,278 on October 4, 2011.

<u>'587 Reexam</u>:

On September 14, 2015 a first request for *ex parte* reexamination of claims 1-22 of U.S. Patent No. 8,0320,278 was filed by a third party requester, hereinafter also referred to as TPR.

The Request at pages 10-11 in a section entitled "**V. STATEMENTS POINTING OUT EACH SUBSTANTIAL NEW QUESTION OF PATENTABILITY**" set forth:

As explained in greater detail below, A) the *Suman '537* patent; B) the *Spaur '074* patent; and C) the Flick '876 patent, *either alone or in combination with a variety of references* published prior to the earliest claimed priority date of the Flick '278 patent, raise substantial new questions of patentability based on new teachings not previously considered or addressed in the prior examination of the Flick '278 patent.

A. U.S. Patent No. 6,028,537

...

1. Technological Teaching: Obtaining and Transmitting Location Data using a Standard Vehicle Bus

The *Suman '537* patent teaches a vehicle communication and control system including a wireless communications device, a vehicle location determination device, and *a controller capable of communicating with a variety of vehicle devices via a standardized vehicle data bus*....

Thus, the *Suman '537* patent discloses technological teachings that the Examiner previously found to be missing from the prior art of record disclosed in the Flick 2278 patent.

...

3. **Substantial New Question of Patentability as to Claims 1 - 22 because the Suman '537 Patent Teaches all Claim Elements**

Each of claims 1- 22 require a multi-vehicle compatible controller coupled to a vehicle data bus for communication thereover with at least one vehicle device. As shown above, and in more detail in the claim charts attached as Exhibit B, the *Suman '537 patent discloses this and all other required limitations, explicitly disclosing communicating via a "vehicle data bus" and a "downloading interface."* Accordingly, it is submitted that *all aspects of claims 1 - 22 are disclosed by the Suman '537 patent* in at least as complete detail as contained in the claims. A reasonable examiner would consider the teachings important in deciding whether or not claims 1 - 22 of the Flick '278 patent are patentable. For

these reasons, the *Suman '537* patent raises a substantial new question of patentability as to claims 1 - 22.

B. U.S. Patent No. 5,732,074

…

1. Technological Teaching: Obtaining and Transmitting Location Data using a Standard Vehicle Bus

The *Spaur '074* patent teaches *a controller* having a wireless device, a direct communications port, and *a connection to a vehicle standardized network* that can be utilized to read data from vehicle devices and transmit that data via the wireless device….

Thus, *the Spaur '074* patent discloses technological teachings that the Examiner previously found to be missing from the prior art of record disclosed in the Flick '278 patent.

…

3. Substantial New Question of Patentability as to Claims 1-22 Because Spaur '074 Teaches all Claim Elements

Each of claims 1-22 require a multi-vehicle compatible controller coupled to a vehicle data bus for communication thereover with at least one vehicle device. As shown above, and in more detail in the claim charts attached as Exhibit C, *the Spaur '074 patent discloses this and all other required limitations, explicitly disclosing communicating via a "vehicle data bus" and a "downloading interface."* Accordingly, it would have been obvious to one skilled in the art *that all aspect of claims 1-22 are disclosed by the Spaur '074 patent.* A reasonable examiner would consider the teachings important in deciding whether or not claims 1-22 of the Flick '278 patent are patentable. For these reasons, the *Spaur '074* patent raises a substantial new question of patentability as to claims 1 - 22. (Bold original, underlined italics added.)

On November 10, 2015, an Order Granting the Request for *ex parte* reexamination was mailed by the USPTO. The Order set forth:

Key to each of these claims is the reaction [sic] of a "vehicle data bus" and a "downloading interface for permitting downloading of enabling data".

Suman teaches a vehicle data bus - an SAE standard J1850 [sic] See col. 37, lines 15 - 17. In addition Suman teaches a downloading interface for permitting downloading of enabling data. In particular, Suman teaches at col. 36, lines 31-52: "To achieve these aspects and other advantages, the vehicle accessory control system of the present invention includes a plurality of electrically-operated vehicle accessories, a receiver to be mounted in a vehicle *for receiving RF signals* from a land-based transmitter, and a control circuit coupled to the receiver and to the vehicle accessories *for controlling the operation of the vehicle accessories in accordance with a control program.* The RF signals include an address uniquely identifying the vehicle and a reprogramming signal for reprogramming the operation of at least one of the vehicle accessories. The control circuit includes an input interface for receiving information regarding a plurality of sensed conditions, control means for controlling the operation of the vehicle accessories in accordance with the control program and in response to sensed conditions received from the input interface. *The control circuit further includes reprogramming means for selectively reprogramming the control program in response to the detection of an RF signal* including an address identifying the vehicle and the reprogramming signal, to selectively change the manner in which the control means controls the operation of at least one of the vehicle accessories."

There is a substantial likelihood that a reasonable examiner would have considered these teachings in Suman to be important in the determination of patentability of claims 1-22 of Flick '278. Accordingly, Suman raises a substantial new question of patentability, which question has not been previously raised.

Spaur teaches a vehicle data bus 46 and teaches that a wireless communications device can be utilized to download enabling data in a variety of forms including received information associated with vehicle devices and executable software downloaded from a remote site: "since bi-directional communications involving a vehicle are conducted wirelessly for at least a portion of the communications link, it is necessary for the Internet to communicate with an appropriate interface or network that wirelessly links with the vehicle. In one embodiment, the cellular digitized packet data (CDPD) network provides the desired link including arrangement of information being communicated and where the destination site, namely the particular vehicle, is found in the network." (See col. 2, lines 37 - 46).

Spaur also notes that a "combination of controller related components are containable in a vehicle for responding to requests from remote sites, obtaining and storing information associated with vehicle devices and running executable software that may be available in the program memory of the controller or

> downloaded from the remote site, while handling and configuring information including data that is communicative with the remote site over an established network, such as the Internet." (See col. 4, line 64 - col. 5, line 5).
>
> Furthermore, Spaur teaches that "the controller in the vehicle is also associated with an interface for communication with one or more available systems, such as an RS232 connection, an Ethernet connection and/or a PCMCIA unit. In a related embodiment, the controller includes a direct communications port for receiving and sending information without requiring the wireless device and the Internet connection to the wireless device." (See col. 4, lines 38 - 45).
>
> There is a substantial likelihood that a reasonable examiner would have considered these teachings in Spaur to be important in the determination of patentability of claims 1-22 of Flick '278. Accordingly, Spaur raises a substantial new question of patentability, which question has not been previously raised. (Underlined italics emphasis added.)

On January 8, 2016 the Patent Owner (hereinafter also referred to as PO) filed a statement asserting Suman '537 had already been considered in the parent '278 while Spaur '074 was similar to a co-assigned reference 7,366,892 which had also been considered in the parent '278. Furthermore, PO asserted:

> <u>A. The Claims Are Patentable Over the Suman et al. '537 Patent</u>
>
> The Suman et al. '537 patent is directed to vehicle personalization to be remotely effected by a service provider using a radio frequency (RF) system such as a paging or cellular system. A vehicle owner, wishing to reprogram a vehicle, calls the service provider who effects reprogramming of an option control by transmitting RF control signals to the vehicle from a land-based transmitter to a receiver mounted in the vehicle. Thus, because the service provider effects vehicle personalization, the vehicle owner need not have any technical knowledge as to how to operate the vehicle programming system. Vehicle personalization may also be provided for each person who may operate the vehicle.
>
> To achieve these aspects, the vehicle accessory control system includes a plurality of electrically-operated vehicle accessories, a receiver to be mounted in a vehicle for receiving RF signals from a land-based transmitter, and a control circuit coupled to the receiver and to the vehicle accessories for controlling the operation of the vehicle accessories in accordance with a control program. The RF signals

include an address uniquely identifying the vehicle and a reprogramming signal for reprogramming the operation of at least one of the vehicle accessories. The control circuit includes an input interface for receiving information regarding a plurality of sensed conditions, control means for controlling the operation of the vehicle accessories in accordance with the control program and in response to sensed conditions received from the input interface. The control circuit further includes reprogramming means for selectively reprogramming the control program in response to the detection of an RF signal including an address identifying the vehicle and the reprogramming signal, to selectively change the manner in which the control means controls the operation of at least one of the vehicle accessories.

The Patent Owner respectfully submits that the Suman et al. '537 patent fails to disclose, as recited in Claim 1, for example, a multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle. More particularly, the Suman et al. '537 patent fails to disclose a multi-vehicle compatible controller for cooperating with a vehicle position determining device and a wireless communications device to send vehicle position information, wherein the multi-vehicle compatible controller is to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles, and wherein a downloading interface permits downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller. Along these lines, the Suman et al. '537 patent fails to disclose these features with the downloading interface comprising a connector for the temporary connection to a downloading device as recited in independent Claim 13, or a wireless receiver as recited in independent Claim 18.

None of the other references identified by the Examiner supply the deficiencies of the Suman et al. '537 patent. Accordingly, independent Claims 1, 13 and 18 are patentable. Their dependent claims, which recite further distinguishing features, are also patentable and require no further discussion herein.

B. The Claims Are Patentable Over the Spaur et al. '074 Patent

The Spaur et al. '074 patent discloses communication to and from a controller at the vehicle. As helpfully pointed out by the Examiner, the reference discloses an interface for the controller, such as an RS-232 connection, an Ethernet connection, a Personal Computer Memory Card International Association (PCMCIA) unit, or a direct communications port. Moreover, as noted at col. 4, lines 51-57, the Spaur et al. '074 patent recites:

> "[] each vehicle device on the CAN has its own IP designation or address so that the remote user can utilize this designation or address for communication with the selected vehicle device having that designation or address. The controller uses the received IP address or designation for the particular device and acts as a link or bridge for the remote user to the particular device".

In other words, the Spaur et al. '074 patent fails to disclose, as recited in Claim 1, a multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle. The Spaur et al. '074 patent fails to disclose a multi-vehicle compatible controller for cooperating with a vehicle position determining device and a wireless communications device to send vehicle position information, wherein the multi-vehicle compatible controller is to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles, and wherein a downloading interface permits downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller. The Spaur et al. '074 patent fails to disclose these features with the downloading interface comprising a connector for the temporary connection to a downloading device, as recited in independent Claim 13, or a wireless receiver, as recited in independent Claim 18.

None of the other references identified by the Examiner supply the deficiencies of the Spaur et al. '074 patent. Accordingly, the Patent Owner submits that independent Claims 1, 13 and 18 are patentable, and the dependent claims, which recite further distinguishing features, are also patentable and require no further discussion herein.

The Patent Owner also respectfully submits that the Spaur et al. '074 patent adds nothing to the deficiencies of the Suman et al. '537 patent - its respective deficiencies being pointed out above.

On March 8, 2016 TPR filed a reply to PO's statement. TPR reasserted that both the Spaur '074 and Suman '537 patents were not previously considered by the Examiner during the prosecution of the '278 and the Order's conclusion that these patents raised a substantial new question of patentability was correct. TPR continues:

> Furthermore, under the broadest reasonable interpretation, a multi-vehicle compatible tracking unit as recited in claims 1 - 22 of the Flick '278 patent could be compatible with ***multiple vehicles of the same year, make, and/or model***…
>
> …*the SAE standard J1850 bus referenced in the Suman et al. '537 patent is "universally used in the automotive industry" (Suman et al. publication, column 37 lines 15 - 17) and therefore is used in many different vehicle year, makes, and models….*
>
> …
>
> …The above referenced portion of the Spaur et al. '074 [col. 4, lines 51-57] teaches connecting the disclosed multi-vehicle compatible controller to a CAN bus. *However the Spaur et al. '074 reference is not limited to disclosing CAN buses and teaches that the multi-vehicle compatible controller can connect with any of a variety of standardized buses*: "[o]ther available networks could be utilized instead of the CAN, such as Arcnet, which has a protocol similar to CAN". (Spaur et al. '074 patent, column 4, lines 5 - 7). *Standardized vehicle data buses include the CAN bus standard published by the CAN in Automation group. Standardized vehicle data buses also include the SAE J1850 bus standard published by the Society of Automotive Engineers.*
>
> …
>
> …Requester further notes that, since 1991, the CAN specification has required support for two message formats that can be present on any given vehicle's CAN bus (i.e. the CAN 11-bit message format and CAN 29-bit message 16 format). Therefore, communication via the CAN bus requires support for a plurality of different message formats for the different vehicle devices that may be present on any of the myriad of year, make, and model of vehicles that support the CAN bus, which includes a significant percentage of the vehicles sold in the U.S. dating back to 1991 and almost every passenger vehicle sold in the U.S. since 2008 due to Federal mandate.
> (Underlined italics emphasis added.)

TPR also cited pertinent and applicable additional prior art believed to have bearing on patentability, i.e. 1) the *Beckert '363* patent; 2) the Gelvin '008 patent; and 3) the Razavi et al. publication, raise substantial new questions of patentability based on new teachings not

previously considered or addressed in the prior examination of the Flick '278 patent.

Specifically:

1. U.S. Patent No. 5,794,164

....

a) Technological Teaching: Transmitting Location Data, Communicating Via One of the OBD II vehicle Data Bus Protocols and Downloading Means Downloading Enabling Data

The Beckert et al. '363 patent teaches a vehicle computer system including a wireless communications device, a vehicle location determination device, a downloading interface, and a controller capable of communicating with a variety of vehicle devices *via the OBD II standardized vehicle data bus mandated for inclusion in 1996 or later model vehicles. By way of background, at the time of the filing of the Beckert et al. '363 patent, federal mandate required all vehicles to conform to California Code of Regulations (CCR) 1968.1. CCR 1968.1 permitted vehicles to implement three different on-board to off-board network communications protocols*:

> (1.0) Either SAE Recommended Practice J1850, "Class B Data Communication Network Interface", July, 1995, or ISO 9141-2, "Road vehicles - Diagnostic Systems - CARB Requirements for Interchange of Digital Information," February, 1994, or ISO 14230-4, "Road vehicles - Diagnostic systems - KWP 2000 requirements for Emission-related systems," April, 1996, which are incorporated by reference, shall be used as the on-board to off-board network communications protocol. All SAE J1979 emission related messages sent to the J1978 scan tool over a J1850 data link shall use the Cyclic Redundancy Check and the three byte header, and shall not use inter-byte separation or checksums.

(1968.1 Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium Duty Vehicles and Engines, p 36, Exhibit U).

...

The Beckert et al. '363 patent also incorporates by reference the disclosure of U.S. Patent 5,794,164 to Beckert et al. (the Beckert et al. '164 patent) in its entirety at col. 7, lines 44-51. The Beckert et al. '164 patent provides additional detail concerning the modules of the vehicle computer system disclosed in the Beckert et al. '363 patent and specific detail concerning the OBD interpreter and APIs that are exposed to remote devices by the vehicle computer system, which

include a diagnostic API (amongst others). Thus, the Beckert et al. '363 patent discloses technological teachings that the Examiner previously found to be missing from the prior art of record disclosed in the Flick '278 patent.

c) Substantial New Question of Patentability as to Claims 1-22 because the Beckert et al, '363 Patent Teaches all Claim Elements
Each of claims 1-22 require a multi-vehicle compatible controller coupled to a vehicle data bus for communication thereover with at least one vehicle device. As shown above, and in more detail in the claim charts attached as Exhibit R, the Beckert et al. '363 patent discloses this and all other required limitations, explicitly disclosing communicating via a "vehicle data bus" and a "downloading interface." Accordingly, it is submitted that all aspects of claims 1 - 22 are disclosed by the Beckert et al. '363 patent in at least as complete detail as contained in the claims. A reasonable examiner would consider the teachings important in deciding whether or not claims 1 - 22 of the Flick '278 patent are patentable. For these reasons, the Beckert et al. '363 patent raises a substantial new question of patentability as to claims 1-22.
(Bold emphasis original, underlined italics added.)

A non-final action was mailed by the USPTO on May 6, 2016. Such action determined the earliest effective filing date for Flick '278 to be July 3, 2007. The action also determined that the '363, '008 and '225 references each taught a vehicle computer system including a wireless communications device, a vehicle location determination device, a downloading interface, and a controller capable of communicating with a variety of vehicle devices and therefore, there was a substantial likelihood that a reasonable examiner would have considered these teachings in *Beckert*, Gelvin and Razavi to be important in the determination of patentability of claims 1 -22 of Flick '278. Accordingly, *Beckert*, Gelvin and Razavi were determined to each raise a substantial new question of patentability, which question has not been previously raised. The action also included rejections of claims 1-22 under pre-AIA 35 U.S.C. 102(b) as being anticipated by *Suman* or *Beckert* and under pre-AIA 35 U.S.C. 103(a) as being unpatentable over *Spaur* in view of other references used for the teaching of location detection. Finally the action

concluded with the Examiner finding the PO'S remarks regarding the art being previously considered and the claim features not being shown thereby not persuasive.

On June 16, 2016 a personal interview was held. The PTOL-404 Summary set forth:

> Description of the general nature of what was agreed to if an agreement was reached, or any other comments: Spaur and Suman references were discussed. Examiner agreed to drop the 102 rejection based upon Beckert. *Examiner suggested that the Patent Owner provide evidence relating to the use of device codes in vehicles at the time of the invention in relation to their inherent use in Suman and Spaur.* The scope of the claims was also discussed. Patent Owner's representative provided the attached agenda and various documents pertaining to related court proceedings.
> (Emphasis added.)

while the PO Summary of July 6, 2016 set forth, e.g.:

> While discussing Suman et al., the Patent Owner contended that Suman et al. failed to disclose: "said multivehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles", as recited in independent Claim 1, for example.
>
> *In reply, the Examiners cited Col. 2, lines 3-11 of Suman et al. as teaching the "multi-vehicle compatible controller" of the claimed invention. The Patent Owner contended that this was a mischaracterization of the teachings of Suman et al. The Examiner's invited the Patent Owner to submit evidence supporting this contention.*
>
> The Patent Owner also contended that Suman et al. fails to disclose: "a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller", as recited by independent Claim 1, for example.
>
> The Examiners noted that Col. 24, lines 8-13 of the present application recite: "[t]he enabling data may be the vehicle device code or codes, an instruction to select a code or codes from among those already stored, or the data or sequence to allow the controller 111 to generate the vehicle device code or codes, for

> example". The Examiners also correctly noted that Suman et al. fails to disclose the downloading interface for permitting downloading of vehicle device codes. While discussing Spaur et al., the Patent Owner contended that Spaur et al. failed to disclose: "said multivehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles", as recited in independent Claim 1, for example.
>
> *In reply, the Examiners contended similarly that since Spaur et al. discusses potential application in different vehicles, therefore Spaur et al. discloses the multi-vehicle compatible controller of the claims. The Patent Owner contended that this was a mischaracterization of the teachings of Spaur et al. The Examiner's invited the Patent Owner to submit evidence supporting this contention.* The Examiners also correctly noted that Spaur et al. fails to disclose the downloading interface for permitting downloading of vehicle device codes.
>
> Additionally, while discussing Spaur et al., the Patent Owner noted that Spaur et al. discloses a vehicle position determining device. Accordingly, for purposes of clarity, the Patent Owner agreed to also discuss the Spaur et al. patent with regards to its failure to anticipate the claimed invention.
>
> The Examiners determined that the rejection over Beckert et al. was withdrawn. (Emphasis added.)

The Agenda attached to the Summary indicated that PO intended to argue that the references or combination of references used to reject the claims did not teach the features of a multi-vehicle compatible controller nor a downloading interface.

A response to the non-final Office Action was also filed on July 6, 2016. The response included remarks and a Rule 132 declaration by Michael J. Suman and a Rule 132 declaration by Joseph C. McAlexander, III.

On December 1, 2016, a Notice of Intent to Issue Ex Parte Reexamination Certificate (NIRC) was issued by the USPTO. The Statement of Reasons for Patentability and/or Confirmation set forth:

> The following is an examiner's statement of reasons for patentability and/or confirmation of the claims found patentable in this reexamination proceeding: the Examiner agrees that the declarations by Suman and McAlexander provide sufficient evidence that Suman and Spaur each fail to disclose the multi-vehicle compatible controller as recited in independent claims 1,13 and 18. Claims 2-12, 14-17 and 19-22 are considered to be patentable due to their dependency on claims 1, 13 and 18, respectively.

The Suman declaration provided:

> 12. ...The embodiments contemplated by me at the time of my '537 patent, the disclosure in my '537 patent, and the related commercial developments within my work responsibilities were not directed to a multi-vehicle compatible controller ... as in the '278 patent claims. The embodiments contemplated by me at the time of my '537 patent did not include multi-vehicle compatibility, and at the time I left Johnson Controls in 2002 I had never contemplated or worked with any multi-vehicle compatible controller as described in the '278 patent. I point out that at the time of my '537 patent, the vehicle device codes were proprietary to different manufacturers, and even different model lines offered by manufacturers. Moreover, the device codes were not made freely available, and were quite difficult to obtain.
>
> 13. ...Based upon my knowledge and experience, the reprogramming means [of 537] is not related to vehicle codes or to providing a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller, as in the '278 patent claims. Instead, the reprogramming means is for vehicle personalization and was not capable of making communications level changes that would be necessary to provide multi-vehicle compatibility.
>
> 14. I would also like to clarify that the following passage from my '537 patent does not support the contention that my patent discloses a multi-vehicle compatible controller and downloading interface as in the '278 patent claims: ...(Col. 2, lines 3-10).
> It was expected that the vehicles in a given fleet would be the same type vehicle having the same device codes.

15. … It is my position, based upon my knowledge and experience, that none of the cited portions of my '537 patent supply these teachings relating to a wired or wireless interface. Indeed, I was simply not working on the problem of multi-vehicle compatibility, and there was no project to develop any software to give the connector the functions as contended in the Official Action. Moreover, the embodiments conceived and described in the '537 patent were not capable of modifying the communications level to allow for multi-vehicle compatibility. Along these lines, there is also no disclosure in my 537 patent of using the telephone to provide a wireless interface as in the '278 patent.

The McAlexander declaration provided:

10. I have also reviewed the Rule 132 Declaration being submitted concurrently herewith by Michael J. Suman, the lead inventor on U.S. Patent No. 6,028,537, i.e., another reference being cited in the Official Action. In that Declaration, Mr. Suman confirms my understanding that at the time of the Spaur et al. patent (filed about six months before the filing of the provisional application leading to the Suman et al. patent), the vehicle device codes were proprietary to different manufacturers, and even different model lines offered by manufacturers; and that the device codes were not made freely available, and were quite difficult to obtain.

…

19. The Official Action incorporates by reference a listing of how Spaur et al. (and Johnson et al.) relates to the claims of the '278 patent from Requester's Exhibit F. From Exhibit F, the following sections of Spaur et al. are asserted as disclosing a multi-vehicle controller using at least one corresponding device code from among a plurality thereof for different vehicles:

… (Col. 6, lines 31-50) .

… (Col. 10, lines 15-29).

… (Col. 10, lines 55-64. [sic]

Based upon my knowledge, experience and analysis, I do not believe that these cited portions of Spaur et al. disclose the multi-vehicle compatible controller as in the claims of the '278 patent. In addition, I also believe that, based upon these portions of Spaur et al., or any other portions of Spaur et al., there is no inherent teaching of the multi-vehicle compatible controller as in the '278 patent

claims. In other words, it does not necessarily flow that Spaur et al. would have a multivehicle compatible controller using the device codes as in the '278 patent claims.

20. I also point out that Exhibits 14 and 15 from Requester's technical trial expert, Mr. Andrews, and describing the actual CellPort Labs products as disclosed in Spaur et al., also fail to have any express or inherent teaching of the multivehicle compatible controller as in the '278 patent claims....

21. The Official Action also cites to the following language from col. 4, lines 38-45 of Spaur et al. for the alleged teaching of the downloading interface as recited in the '278 patent claims...

Again, based upon my knowledge, experience and analysis, I do not believe that these cited portions of Spaur et al., or any other portions of Spaur et al., disclose (either directly or through inherency) a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller as found in the claims of the '278 patent. Spaur et al. does disclose an interface in combination with a controller; however, Spaur et al. fails to disclose the multivehicle compatible controller and the downloading interface as recited in the claims of the '278 patent. In addition, there is nothing in the description of the corresponding CellPort Labs actual products (Exhibits 14 and 15) that discloses the multivehicle compatible controller and the downloading interface as recited in the claims of the '278 patent.

'851 Reexam:

On October 28, 2016, a second request for *ex parte* reexamination of claims 1-22 of U.S. Patent No. 8,0320,278 was filed by a TPR.

See the Request at, e.g., Sections V (pages 3-7) and VI, A-D. (pages 7-25) and Exhibit C and D, e.g., bridging pages 2-25. Such sections of the '851 Reexam Request set forth:

"**V. CITATION OF PERTINENT AND APPLICABLE PRIOR ART BELIEVED TO HAVE BEARING ON PATENTABILITY**"

...

Requester notes that these references were not previously considered during the original prosecution of the Flick '278 patent, but that *the Beckert '363 patent, the Spaur '074 patent and the Suman '537 patent are being considered in the pending Flick '587 Reexam. However, these references are being presented in a new light in this Request.* In particular, the Examiner in the Flick '587 Reexam had requested "evidence relating to the use of device codes" as related to their inherent use in the Spaur '074 patent and the Suman '537 patent. … Accordingly, Requester is *submitting this material prior art evidence in the form of the SAE HS- 3000 Manual published in 1994*.

The SAE HS-3000 Manual is one of numerous publications published by the Society of Automotive Engineers ("SAE") that *set forth the standards for communicating with vehicle devices via a vehicle data bus using various device codes*, as was used in the Spaur '074 patent, the Suman '537 patent, and the Beckert '363 patent in order to communicate with the vehicle devices. *Requester also notes that these communications standards have been federally mandated for all new vehicles sold in the United States since 1996.*

As detailed in the accompanying claim charts, *the SAE HS-3000 Manual provides details regarding hundreds of device codes*, or "PRN"" device codes, for communicating with vehicle devices, including standard codes and up to seven manufacturer specified vehicle device codes. *For example, SAE J2178/2, which starts on page 211 of the SAE HS-3000 Manual, provides the "Standardized Parameter Definitions" for standardized messages on SAE J1850 Class B networks. SAE J2178/2 sets out respective sets of device codes for a host of vehicle devices that may be present on a given vehicle.* For example, Table 2 on page 215, partially reproduced below, provides the address map of the SAE standard and reserved manufacturer specific (Reserved MFG) subgroups of messages for different classes of vehicle devices.

…

SAE J2178/2 provides *the details of device codes for hundreds of different vehicle devices* within the address map ranges indicated in the above table. Section 4 of SAE J2178/2 on page 213 specifies that three bits are used to define eight different device codes for a given vehicle device including a SAE standard device code for the specific type of vehicle device and seven manufacturer reserved device codes for that particular vehicle device.

Furthermore, the SAE HS-3000 Manual teaches a bus discovery procedure that can be used by systems interfacing with a vehicle bus, which involves communicating with vehicle devices using at least one vehicle device code from among a plurality thereof for different vehicles. In particular, the bus discovery

procedure sends a plurality of device codes, referred to as "mode 1 PID 0 response message" in a manner appropriate for each of the SAE J1850 41.6 Kbps PWM bus, SAE J1850 10.4 Kbps VPW, and ISO 9141-2 in order to determine a type of bus used in a vehicle. (See SAE HS-3000 Manual section 6.5.1 on page 37).

Accordingly, the Beckert '363 patent, Spaur '074 patent, and the Suman '537 patent are each being presented in a new light in view of the SAE HS-3000 Manual and continue to raise substantial new questions of patentability with respect to the Flick '278 patent. Requester also notes that *the Chou '499 patent* was not previously considered in either the original prosecution of the Flick '278 patent or the currently pending Fick '587 Reexam and that this prior art reference *presents a substantial new question of patentability* with respect to the Flick '278 patent.

VI. STATEMENTS POINTING OUT EACH SUBSTANTIAL NEW QUESTION OF PATENTABI LITY

...as explained in greater detail below, *A) the Beckert '363 patent; B) the Spaur '074 patent; C) the Suman '537 patent; and D) the Chou '499 patent either alone or in combination with the SAE HS-3000 Manual,* all of which were published more than a year prior to the earliest priority date to which the Flick '278 patent is entitled to, *raise substantial new questions of patentability with respect to the Flick '278 patent.*

A. U.S. Patent No. 6,009,363 to Beckert (inherently disclosing the SAE HS-3000 Manual)

...These references were not considered during the original prosecution of the Flick '278 patent. However, the Beckert '363 patent was considered during the Flick '587 Reexam, but was inexplicably withdrawn from the Flick '587 Reexam with no reasons being made on the record as to why this rejection was being withdrawn. Accordingly, Requester is again resubmitting this reference for at least the following reasons:

1. No Reasons Provided Why Beckert '363 Patent Withdrawn From Rejection in the Flick '587 Reexam --- Examiner Interview Summary filed 6-21- 2016 in the Flick '587 Reexam

...

Accordingly, Requester is re-submitting the Beckert '363 patent, *including the SAE HS- 3000 Manual which is inherently disclosed by the OBD II interface*

being used in the Beckert '363 patent (see e.g., Beckert '363 col. 1, lines 32 - 35 stating: "Most late model vehicles are also constructed with a diagnostic system that analyzes performance of the vehicle's engine, transmission and fuel system, and other components (1996 or later for OBD II, 1993 or later for OBD I)...".... These references provide new technological teachings that raise a substantial new question of patentability with respect to the Flick '278 patent.

2. Technological Teaching: Transmitting Location Data, Communicating Via an OBD II Vehicle Data Bus, and Downloading Means Downloading Enabling Data

The Beckert '363 patent teaches a vehicle computer system including a wireless communications device, a vehicle location determination device, a downloading interface, and a controller capable of communicating with a variety of vehicle devices via the OBD II standardized vehicle data bus mandated for inclusion in 1996 or later model vehicles. ...

The Beckert '363 patent also incorporated by reference the disclosure of U.S. Patent 5,794,164 to Beckert et al. (the Beckert '164 patent) in its entirety at col. 7, lines 44-51. The Beckert '164 patent provides additional detail concerning the modules of the vehicle computer system disclosed in the Beckert '363 patent and specific detail concerning the OBD interpreter and APIs that are exposed to remote devices by the vehicle computer system, including a diagnostic API (amongst others). *The SAE standards, and in particular the SAE HS-3000 Manual, were published for the specific purpose of teaching people of ordinary skill in the art how to communicate with vehicle devices via the OBD II interface.* In particular, the SAE HS- 3000 Manual teaches a bus discovery procedure that can be used by systems interfacing with a vehicle bus via an OBD II diagnostic connector, which involves communicating with vehicle devices using at least one vehicle device code from among a plurality thereof for different vehicles. ...

Accordingly, the Beckert '363 patent teaches that the modules inherently disclose the use of the bus discovery protocols that involve sending *a plurality of device codes for different vehicles required by the SAE standards as that specify the implementation details for the OBD II interface*. Furthermore, it would have been obvious to utilize the teachings described in the SAE HS-3000 Manual because the Beckert '363 patent expressly directs communicating with the OBD system built into the vehicle using the OBD interface. Thus, the Beckert '363 patent is being presented in a new light in view of the SAE HS-3000 Manual that raises a substantial new question of patentability.

...

4. Substantial New Question of Patentability as to Claims 1 - 22 because the Beckert '363 Patent in view of the SAE HS-3000 Manual Teaches all Claim Elements

Each of claims 1 - 22 require a multi-vehicle compatible controller coupled to a vehicle data bus for communication thereover with at least one vehicle device. As shown above, and in more detail in the claim charts attached as Exhibit B, *the Beckert '363 patent in view of the SAE HS-3000 Manual disclose this and all other required limitations*, explicitly disclosing communicating via a "vehicle data bus" and a "downloading interface". Accordingly, all aspects of claims 1-22 are disclosed by the Beckert '363 patent and the SAE HS-3000 Manual. A reasonable examiner would consider the teachings important in deciding whether or not claims 1-22 of the Flick '278 patent are patentable. For these reasons, the Beckert '363 patent, including the SAE HS-3000 Manual, raises a substantial new question of patentability as to claims 1-22.
(Underlined italics added.)

B. *U.S. Patent No. 5, 732,074 to Spaur in view of the SAE HS-3000 Manual*

…Furthermore, as noted above…, the Examiner in the Flick '587 Reexam had requested evidence related to the use of device codes as related to the Spaur '074 patent, … Accordingly, Requester is submitting the SAE HS-3000 Manual which provides material evidence related to the use of device codes as related to the Spaur '074 patent. Accordingly, the Spaur '074 patent is being presented in a new light in view of the SAE HS-3000 Manual and continues to raise a substantial new question of patentability.

1. Technological Teaching: Obtaining and Transmitting Location Data using a Standard Vehicle Bus and Vehicle Device Codes for Different Vehicles

The Spaur '074 patent teaches a controller having a wireless device, a direct communications port, and a connection to a vehicle standardized network that can be utilized to read data from vehicle devices and transmit that data via the wireless device….

…

The Spaur '074 patent teaches communicating with vehicle devices via a "standardized network ... commonly used in a number of makes and models of vehicles" (Spaur '074 patent, col. 10, lines 18-21). *The SAE standards, and in*

particular the SAE HS-3000 Manual, were published for the specific purpose of teaching people of ordinary skill in the art how to communicate with vehicle devices via one of the "standardized networks" present within a vehicle.

In particular, *the SAE HS-3000 manual provides details of communicating with a plurality of vehicle devices* using the SAE messaging protocols defined in SAE J2178 (Class B Data Communication Network Messages), ...

...

Accordingly, it would have been obvious to utilize *the teachings described in the SAE HS-3000 Manual because the Spaur '074 patent expressly directs using standards, such as the SAE standards as described by the SAE HS-3000 Manual, for the purpose for which the standards were created*. Thus, the Spaur '074 patent in view of the SAE HS-3000 Manual disclose technological teachings that the Examiner previously found to be missing from the prior art of record disclosed in the Flick '278 patent.

...

3. Substantial New Question of Patentability as to Claims 1 - 22 Because Spaur '074 in view of the SAE HS-3000 Manual Teaches all Claim Elements
Each of claims 1 - 22 require a multi-vehicle compatible controller coupled to a vehicle data bus for communication thereover with at least one vehicle device. As shown above, and in more detail in the claim charts attached as Exhibit D, *the Spaur '074 patent in view of the SAE HS-3000 Manual discloses this and all other required limitations*, explicitly disclosing communicating via a "vehicle data bus", "using at least one corresponding device code from among a plurality thereof for different vehicles", and "downloading interface". In particular, the limitation "using at least one corresponding vehicle device code from among a plurality thereof for different vehicles" *is discussed in greater detail in the SAE HS-3000 Manual, which provides the implementation details for communicating via the standardized vehicle network* described in the Spaur '074 patent.

Accordingly, it would have been obvious to one skilled in the art that all aspect of claims 1 - 22 are disclosed by the Spaur '074 patent in view of the SAE HS-3000 Manual. A reasonable examiner would consider the teachings important in deciding whether or not claims 1 - 22 of the Flick '278 patent are patentable. For these reasons, the Spaur '074 patent in view of the SAE HS-3000 Manual raises a substantial new question of patentability as to claims 1 - 22.
(Underlined italics added.)

C. U.S. Patent No. 6,028,537 to Suman (inherently disclosing the SAE HS-3000 Manual)

The Suman '537 patent issued February 22, 2000 and the SAE HS-3000 Manual published in 1994 and therefore are prior art to the Flick '278 patent under 35 U.S.C. §§102(a), 102(b) and 102(e). These references were not considered during the original prosecution of the Flick '278 patent, but the Suman '537 patent is currently being considered in the Flick '587 Reexam. Furthermore, as noted above …, the Examiner in the Flick '587 Reexam had requested evidence related to the use of device codes as related to the Suman '537 patent, … Accordingly, Requester is submitting material prior art, in particular, the SAE HS-3000 Manual which provides material evidence related to the use of device codes as related to the Suman '537 patent. Accordingly, the Suman '537 patent is being presented in a new light in view of the SAE HS-3000 Manual and continues to raise a substantial new question of patentability.

1. Technological Teaching: Obtaining and Transmitting Location Data using a Standard Vehicle Bus and Multi-Vehicle Compatibility

The Suman '537 patent teaches a vehicle communication and control system including a wireless communications device, a vehicle location determination device, and a controller capable of communicating with a variety of vehicle devices via a standardized vehicle data bus….

…

The Suman '537 patent notes that the multiplexing scheme (e.g., item 744 illustrated in Fig. 44 above) is set forth in *SAE standard J1850* and *"is universally used in the automotive industry." The SAE HS-3000 Manual* is a publication that *provides details regarding the SAE J1850 standard*, and provides implementation *details for communicating with vehicle devices on a plurality of different makes and models of vehicles via an SAE J1850 bus*.

Accordingly, a vehicle controller (as illustrated in Fig. 44 above) implemented *according to the SAE J1850 standard* would communicate with a plurality of vehicle devices using the SAE messaging protocols defined in *SAE J2178 (Class B Data Communication Network Messages) as required by the SAE J1850 standard, which provides details of the various device codes* that may be utilized to communicate with hundreds of vehicle devices, …

…

…As noted above, *vehicle data busses, such as those described by the SAE HS-3000 Manual have been federally mandated for inclusion in all vehicles sold in the United States since at least 1996.*

Thus, the Suman '537 patent is being presented in a new light in view of the SAE HS- 3000 Manual that raises a substantial new question of patentability with respect to the Flick '278 patent.

…

3. Substantial New Question of Patentability as to Claims 1 - 22 because the Suman '537 patent, including the SAE HS-3000 Manual, Teaches all Claim Elements

Each of claims 1 - 22 require a multi-vehicle compatible controller coupled to a vehicle data bus for communication thereover with at least one vehicle device. As shown above, and in more detail in the claim charts attached as Exhibit D [sic], *the Suman '537 patent, which inherently discloses communicating with vehicle devices in accordance with the manner disclosed in the SAE HS-3000 Manual, discloses this and all other required limitations*, explicitly disclosing communicating via a 'vehicle data bus', 'using at least one corresponding device code from among a plurality thereof for different vehicles', and 'downloading interface'. *In particular, the manner in which the Suman '537 patent's disclosure requires "using at least one corresponding vehicle device code from among a plurality thereof for different vehicles" can be appreciated by reviewing the details of the disclosed processes as set out in the SAE HS-3000 Manual*, which provides the implementation requirements for the multiplexing communication circuit 744 described in the Suman '537 patent. *Accordingly, it is submitted that all aspects of claims 1 - 22 are disclosed by the Suman '537 patent, which inherently discloses use of the processes required by the standards contained in the SAE HS-3000 Manual,* in at least as complete detail as contained in the claims. A reasonable examiner would consider the teachings important in deciding whether or not claims 1 - 22 of the Flick '278 patent are patentable. For these reasons, the Suman '537 patent in view of the SAE HS-3000 Manual raises a substantial new question of patentability as to claims 1 - 22.
(Underlined italics added.)

D. U.S. Patent No. 6,330,499 to Chou et al.

The Chou '499 patent issued December 11, 2001 and therefore is prior art to the Flick '278 patent under 35 U.S.C. §§ 102(a), 102(b), and 102(e). This reference

was not considered during the prosecution of the Flick '278 patent or the currently pending Flick '587 Reexam. This reference provides a new technological teaching that raises a substantial new question of patentability.

1. Technological Teaching: Obtaining and Transmitting Location Data using a Standard Vehicle Bus and using model dependent codes

The Chou '499 patent teaches a vehicle information system including a wireless communication device, a vehicle location determining device, and a controller capable of communicating with a variety of vehicle devices *via a standardized vehicle data bus using a vehicle bus interface that may support different vehicle bus standards such as CAN (Controller Area Network) and the Society of Automotive Engineers' SAE J1850 - Class B Data Communications Network Interface.* (Chou, col. 3, lines 33-40)....

...

The Chou '499 patent further teaches multi-vehicle compatibility, whereby a vehicle bus adaptor (120C) "translates messages from the fault detector into the language of the vehicle bus. The fault code specifications and protocols of the vehicle may be ***Original Equipment Manufacturer (OEM) and model dependent*** .... A listing of such codes may be found in the publication of the *Society of Automotive Engineers, "SAE On-Board Diagnostics for Light and Medium Duty Vehicle Standards Manual"*. (Chou, col. 4, lines 25-35, [bold original] emphasis added).

Thus, the Chou '499 patent *discloses technological teaching that the Examiner previously found to be missing from the prior art of record disclosed in the Flick '278 patent.*

...

3. Substantial New Question of Patentability as to Claims 1 - 22 because the Chou '499 Patent Teaches all Claim Elements

Each of claims 1 - 22 require a multi-vehicle compatible controller coupled to a vehicle data bus for communication thereover with at least one vehicle device. As shown above, and in more detail in the claim charts attached as Exhibit E, *the Chou '499 patent discloses this and all other required limitations,* explicitly disclosing communicating via a "vehicle data bus", translating "messages from the fault detector into the language of the vehicle bus" where the fault code specifications may be "Original Equipment Manufacturer (OEM) and model

> dependent" and a downloading interface for permitting downloading of enabling data.
>
> Accordingly, it is submitted that all aspect of claims 1 - 22 are disclosed by the Chou '499 patent. A reasonable examiner would consider the teachings important in deciding whether or not claims 1 - 22 of the Flick '278 patent are patentable. For these reasons, the Chou '499 patent raises a substantial new question of patentability as to claims 1 - 22.
> (Underlined italics added.)

On December 15, 2015, an Order Granting the Request for *ex parte* reexamination was mailed by the USPTO. The Order set forth:

Suman '537:

Requester asserts **Suman '537** alone or in combination with SAE HS-3000, raises a substantial new question of patentability as to claims 1-22 of the '278 patent. See, e.g., page 7 of the Request.

The prosecution history indicates that SAE HS-3000 was not of record during the prosecution of any application to which the benefit of priority is claimed. Accordingly, such references is not precluded from raising a substantial new question of patentability.

Suman '537 however was not only cited but applied by the examiner during the prosecution of at least '587 reexam.

Accordingly, at least the **Suman '537** reference/evidence is "old art". However, as set forth *supra*, e.g., MPEP 2242 states:

> *"for example, a substantial new question of patentability may be based solely on old art where the old art is being presented viewed in a new light, or in a different way, as compared with its use in the earlier examination(s), in view of a material new argument or interpretation presented in the request."*

In this instance, Requester, see, e.g., Sections V (pages 3-7) and VI, C. (pages 18-23) of the '851 Request, asserts the combination of **'537** (previously before/considered by the Examiner during the examination/prosecution of the '587 reexam) with SAE HS-3000, see *supra*, a combination which was not considered during prosecution since the reference to, e.g., SAE HS-3000 was not even cited during prosecution. Accordingly, such combination is not precluded from raising a substantial new question of patentability.

During prosecution of the '272 application that led to the issuance of the '278 patent and the confirmation of patentability in the 90/013,587 reexam, the independent claims were allowed for reasons set forth by Examiner, see summary of prosecution history *supra*.

...

Therefore, Suman '537 (e.g. "The multiplexing scheme is set forth in SAE standard J1850 and is universally used in the automotive industry) is being presented viewed in a new light, or in a different way, as compared with its use in the earlier examination(s), in view of a material new argument or interpretation presented in the request (e.g. the details/vehicle device codes/implementations constituting the SAE standard J1850 provided in the form of SAE HS-3000 Manual) raising a substantial new question of patentability with respect to "the multi-vehicle compatible controller as recited in independent claims 1,13 and 18 , i.e. "said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles".

Given the teachings of the combination of Suman '537 and SAE HS-3000, a reasonable examiner would consider these teachings important in evaluating the patentability of the independent claims of the '278 patent. This art was not applied/so combined during a previous examination of US Patent No. 8,032,278, and the claims at issue are not the subject of a final holding by a Federal Court. Accordingly, prior art patents and printed publications asserted by the Request raise a substantial question of patentability with respect to at least one claim, e.g. claim 1, of the '278 patent.

Spaur '074:

Requester asserts **Spaur '074** alone or in combination with SAE HS-3000, raises a substantial new question of patentability as to claims 1-22 of the '278 patent. See, e.g., page 7 of the Request.

The prosecution history indicates that SAE HS-3000 was not of record during the prosecution of any application to which the benefit of priority is claimed. Accordingly, such references is not precluded from raising a substantial new question of patentability.

Spaur '074 however was not only cited but applied by the examiner during the prosecution of at least '587 reexam.

Accordingly, at least the **Spaur '074** reference/evidence is "old art". However, as set forth *supra*, e.g., MPEP 2242 states:

> *"for example, a substantial new question of patentability may be based solely on old art where the old art is being presented viewed in a new light, or in a different way, as compared with its use in the earlier examination(s), in view of a material new argument or interpretation presented in the request."*

In this instance, Requester, see, e.g., Sections V (pages 3-7) and VI, B. (pages 14-18) of the '851 Request, asserts the combination of **'074** (previously before/considered by the Examiner

during the examination/prosecution of the '587 reexam) with SAE HS-3000, see *supra*, a combination which was not considered during prosecution since the reference to, e.g., SAE HS-3000 was not even cited during prosecution. Accordingly, such combination is not precluded from raising a substantial new question of patentability.

During prosecution of the '272 application that led to the issuance of the '278 patent and the confirmation of patentability in the 90/013,587 reexam, the independent claims were allowed for reasons set forth by Examiner, see Summary of Prosecution History *supra*.

...

Therefore, Spaur '074 (e.g. "The vehicle standardized network...includes a controller unit...that provides appropriate message and data handling functions associated with sending and receiving information including data from each of a plurality of physical vehicle devices...that are operatively connected to a bus...of the vehicle standardized network...the vehicle standardized network is an established and previously developed network that interfaces with components in a vehicle...in order to provide desired or requested data concerning operations or status of these components", "...this further standardized network is a network that has been previously devised and is commonly used in a number of makes and models of vehicles") is being presented viewed in a new light, or in a different way, as compared with its use in the earlier examination(s), in view of a material new argument or interpretation presented in the request (e.g. the details/vehicle device codes/implementations constituting a previously established and developed vehicle standardized network that provides appropriate message and data handling functions associated with sending and receiving information including data from each of a plurality of physical vehicle devices that are operatively connected to a bus and used in

a number of makes and models of vehicles, e.g. the SAE standards, e.g. J1850, provided in the form of SAE HS-3000 Manual) raising a substantial new question of patentability with respect to "the multi-vehicle compatible controller as recited in independent claims 1,13 and 18 , i.e. "said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles".

Given the teachings of the combination of Spaur '074 and SAE HS-3000, a reasonable examiner would consider these teachings important in evaluating the patentability of the independent claims of the '278 patent. This art was not applied/so combined during a previous examination of US Patent No. 8,032,278, and the claims at issue are not the subject of a final holding by a Federal Court. Accordingly, prior art patents and printed publications asserted by the Request raise a substantial question of patentability with respect to at least one claim, e.g. claim 1, of the '278 patent.

Beckert '363:

Requester asserts **Beckert '363** alone or in combination with SAE HS-3000, raises a substantial new question of patentability as to claims 1-22 of the '278 patent. See, e.g., page 7 of the Request.

The prosecution history indicates that SAE HS-3000 was not of record during the prosecution of any application to which the benefit of priority is claimed. Accordingly, such references is not precluded from raising a substantial new question of patentability.

Beckert '363 however was not only cited but applied by the examiner during the prosecution of at least '587 reexam.

Accordingly, at least the **Beckart '363** reference/evidence is "old art". However, as set forth *supra*, e.g., MPEP 2242 states:

> *"for example, a substantial new question of patentability may be based solely on old art where the old art is being presented viewed in a new light, or in a different way, as compared with its use in the earlier examination(s), in view of a material new argument or interpretation presented in the request."*

In this instance, Requester, see, e.g., Sections V (pages 3-7) and VI, A. (pages 7-14) of the Request, asserts the combination of **'363** (previously before/considered by the Examiner during the examination/prosecution of the '587 reexam) with SAE HS-3000, see *supra*, a combination which was not considered during prosecution since the reference to, e.g., SAE HS-3000 was not even cited during prosecution. Accordingly, such combination is not precluded from raising a substantial new question of patentability.

During prosecution of the '272 application that led to the issuance of the '278 patent and the confirmation of patentability in the 90/013,587 reexam, the independent claims were allowed for reasons set forth by Examiner, see Summary of Prosecution History *supra*. Note also the June 2016 and July 2016 Interview Summaries with regard to '363 in Summary of Prosecution History *supra.*

...

Therefore, Beckart '363 (e.g. "Most late model vehicles are also constructed with a diagnostic system that analyzes performance of the vehicle's engine, transmission and fuel system, and other components (1996 or later for OBD II, 1993 or later for OBD I). The diagnostic system can be coupled to an external computer to download or monitor diagnostic information that is useful to a vehicle mechanic during servicing of the vehicle.", "...the vehicle computer system...can be used to integrate multiple vehicle-related systems onto one open

platform hardware and software architecture. For instance, the vehicle computer system…can serve as, a navigation system, a communications system, a security system, and a diagnostics system. …FIG. 2 shows the computer 22 according to one implementation of the invention. Computer 22 has three primary modules: a faceplate module 60, a support module 62, and a computer module 64. The computer module 64 is operatively connected to the support module 62 via a multi-bit bus 66. In FIG. 2, the support module 62 is also connected to a universal serial bus (USB) hub 70 via a multi-bit connector 72 (e.g., 8 bits). The USB hub 70 provides connections to many peripheral devices (e.g., 128 devices). Example peripheral devices include the OBD (On Board Diagnostic) system 28, the security system 26, navigation system 74, a wireless link 76 to the Internet, a CD-ROM changer 78, a TV tuner 80, and user I/O devices such as a joystick, keyboard or a mouse 82. This USB hub could be separate as shown in FIG. 2 or it could be integrated into one or more of the USB peripherals.", "A more detailed explanation of the three modules in the vehicle computer system is provided in …U.S. Pat. No. 5,794,164 … incorporated herein by reference" and thereby, "The computer module 64 has a navigation system 112 which includes both a GPS (global positioning system) receiver and a map application, such as Automap.TM., a program produced by Microsoft Corporation. A security system 114 is provided in the computer module 64 to manage vehicle security. The security system 114 monitors the security sensors 26 (FIG. 1) for any potential threat of theft or vandalism. The security system 114 is connected to actuators which lock/unlock doors and windows, and to an alarm which can be activated upon detection of unwanted tampering. An OBD (On Board Diagnostic) interpreter 116 is provided in the computer module to communicate with the OBD system built into the vehicle by the manufacturer. The OBD interpreter 116 interprets the status data received and provides performance related information from the

vehicle's OBD system to the microprocessor 100. Also, commands can be provided to the interpreter which allows non-critical car systems to be controlled.") is being presented viewed in a new light, or in a different way, as compared with its use in the earlier examination(s), in view of a material new argument or interpretation presented in the request (e.g. the details/vehicle device codes/implementations constituting On Board Diagnostics for Light and Medium Duty Vehicle standards , e.g. the SAE standard J1850, provided in the form of SAE HS-3000 Manual) raising a substantial new question of patentability with respect to "the multi-vehicle compatible controller as recited in independent claims 1,13 and 18 , i.e. "said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles".

Given the teachings of the combination of Beckart '363 and SAE HS-3000, a reasonable examiner would consider these teachings important in evaluating the patentability of the independent claims of the '278 patent. This art was not applied/so combined during a previous examination of US Patent No. 8,032,278, and the claims at issue are not the subject of a final holding by a Federal Court. Accordingly, prior art patents and printed publications asserted by the Request raise a substantial question of patentability with respect to at least one claim, e.g. claim 1, of the '278 patent.

Chou'499:

Requester asserts that **Chou '499** either alone or in combination with SAE HS-3000, raises a substantial new question of patentability as to claims 1-22 of the '278 patent. See, e.g., page 7 of the Request.

The prosecution history indicates that SAE HS-3000 was not of record during the prosecution of any application to which the benefit of priority is claimed. Accordingly, such reference is not precluded from raising a substantial new question of patentability.

Chou '499 was not explicitly cited and discussed during the prosecution of the '278 patent or the '587 Reexam. However '499 was cited and discussed during the prosecution of the '972 application, see Summary of Prosecution History *supra*

Accordingly, at least the **Chou '499** reference/evidence is "old art". However, as set forth *supra*, e.g., MPEP 2242 states:

> *"for example, a substantial new question of patentability may be based solely on old art where the old art is being presented viewed in a new light, or in a different way, as compared with its use in the earlier examination(s), in view of a material new argument or interpretation presented in the request."*

In this instance, Requester, see, e.g., Sections V (pages 3-7) and VI, D. (pages 23-25) of the Request, asserts **'499** (previously before/considered by the Examiner during examination/prosecution of the '972 application) alone or in combination of '363 with SAE HS-3000, see *supra*, a combination which was not considered during prosecution since the reference to, e.g., SAE HS-3000 was not even cited during prosecution. Accordingly, such combination is not precluded from raising a substantial new question of patentability.

During prosecution of the '272 application that led to the issuance of the '278 patent and the confirmation of patentability in the 90/013,587 reexam, the independent claims were allowed for reasons set forth by Examiner, see Summary of Prosecution History *supra*.

...

Therefore, Chou '499 (e.g. "The processor 300 is coupled to a vehicle bus 335 through a vehicle bus interface 330....The vehicle bus interface may support one of vehicle bus standards

such as CAN (Controller Area Network) and the Society of Automotive Engineers' SAE J1850 - Class B Data Communication Network Interface. Alternatively, the processor supports some or all of the functions of the vehicle bus interface and connects directly to the vehicle bus 335. The vehicle bus shown in FIG. 2 is an inherent part of all new automobiles. The dotted line is used as an indication that the vehicle bus is built into the vehicle." or "The vehicle bus interface 120 includes the following modules: vehicle bus adapter 120C, fault detector 120B, and diagnostic data service 120A. The fault detector 120B polls the vehicle bus 104 through the vehicle bus adapter 120C checking for fault codes reported by the vehicle ECUs 103. The vehicle bus adapter 120C translates the messages received from the vehicle bus into the language of the fault detector. It also translates messages from the fault detector into the language of the vehicle bus. The fault code specifications and protocols of the vehicle may be Original Equipment Manufacturer (OEM) and model dependent. The term 'vehicle fault codes' is meant to be synonymous with the term 'trouble code' or 'diagnostic trouble code'. A listing of such codes may be found in the publication of the Society of Automotive Engineers, 'SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual'. The diagnostic data service 120A accepts request for vehicle parametric data and retrieves the data using the vehicle bus adapter.", "The remote service center 200 of FIG. 3 comprises a diagnostic server 201 that has access to data related to the vehicle such as as-built, history, diagnostics, warranty, service information and failure mode data. The diagnosis server 201 is linked to the data repository 203 via a TCP/IP link, LAN, or the like", "...remote health monitoring and diagnostics shares many features with other automotive applications and services. It may be desirable to bundle the remote health monitoring and diagnostics with other services or to extend it with related application functions. For example, the remote diagnostics service could certainly be offered on

top of an Emergency/Mayday service (e.g., 'OnStar'). Other applications and services that can be developed or bundled as extensions of the diagnostics services include: breakdown service, network diary, vehicle user manual update, OEM Callback Services, fleet management, theft prevention, vehicle parameter update/change, remote vehicle access, concierge services, etc.") is being presented viewed in a new light, or in a different way, as compared with its use in the earlier examination(s), in view of a material new argument or interpretation presented in the request (e.g. the details/vehicle device codes/implementations constituting On Board Diagnostics for Light and Medium Duty Vehicle standards, e.g. the SAE standard J1850-Class B Data Communications Network Interface beginning on page 146, provided in the form of SAE HS-3000 Manual or being presented other than for its teachings of "…a user interface for accepting at least one command from a user and sending at least one alert to the user (column 3, lines 5-15)") raising a substantial new question of patentability with respect to "the multi-vehicle compatible controller as recited in independent claims 1,13 and 18 , i.e. "said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles".

Given the teachings of the combination of Chou '499 and SAE HS-3000, a reasonable examiner would consider these teachings important in evaluating the patentability of the independent claims of the '278 patent. This art was not applied/so combined during a previous examination of US Patent No. 8,032,278, and the claims at issue are not the subject of a final holding by a Federal Court. Accordingly, prior art patents and printed publications asserted by the Request raise a substantial question of patentability with respect to at least one claim, e.g. claim 1, of the '278 patent.

A non-final action was mailed by the USPTO on March 29, 2017. Such action determined the earliest effective filing date for Flick '278 to be July 3, 2007. The action also determined claim interpretation of "vehicle device" as defined in 6011460 which is incorporated by reference into Flick '278. The action also determined the elements "vehicle position determining device," "wireless communication device," "multi-vehicle compatible controller," and "downloading device" invoke 112(6th paragraph). The action also included rejection of claims 1, 4-8, 11-12 and 18-22 under pre-AIA 35 U.S.C. 102(b) or, in the alternative under pre-AIA 35 U.S.C. 103(a) as being obvious over Chou for describing a vehicle computer system including a wireless communications device, a vehicle location determination device, a downloading interface, and a controller capable of communicating with a variety of vehicle devices. The action also included rejection of claims 9-10 and 22 under pre-AIA 35 U.S.C. 103(a) as being obvious over Cho in view of Suman for the teaching of remote vehicle control to vehicle accessories as described by Suman. The action also included rejection of claims 2-3 and 13-16 under pre-AIA 35 U.S.C. 103(a) as being obvious over Chou in view of Spaur for the teaching of *wired* signal downloading interface as described by.Spaur The action also included rejection of claim 17 under pre-AIA 35 U.S.C. 103(a) as being obvious over Chou in view of Suman or Spaur for the teaching of *wired* signal downloading interface as described by Suman or Spaur.

On June 01, 2017 a personal interview was held. The PTOL-404 Summary set forth:

> Description of the general nature of what was agreed to if an agreement was reached, or any other comments: The items set forth in the Agenda-copy attached-were discussed. No agreement as to the claims was reached. PO discussed the possibility of filing expert evidence in the form of a 132 declaration.

while the PO Summary of July 6, 2016 set forth, e.g.:

> The Patent Owner discussed Chou et al. with respect to: "a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller", as recited by independent Claim 1, for example.
>
> The Patent Owner discussed Chou et al. with respect to: "said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles", as recited in independent Claim 1, for example.
>
> The Examiners determined that the rejection over Beckert et al. was withdrawn. (Emphasis added.)

The Agenda attached to the Summary indicated that PO intended to discuss the result of litigation, '278 Patent history including recent reexam, a summary of '278 including discussing claim 1 and that the Chou reference used to reject the claims did not describe the features of a multi-vehicle compatible controller nor a downloading interface.

A response to the non-final Office Action was filed on June 12, 2017. The response included remarks and evidence in four Exhibits from litigation in 6:13cv1950-Orl-40DAB and a Rule 132 declaration by Joseph C. McAlexander, III dated June 12, 2017.

A final action was mailed by the USPTO on July 19, 2017 that maintained the claim interpretation 112(6th paragraph) for elements "vehicle position determining device," "wireless communication device," "multi-vehicle compatible controller," and "downloading device" and maintained the art rejections regarding Chou and other references as applicable under 102 and 103.

An after final response to the final Office Action was filed on September 18, 2017. The response included remarks and evidence of secondary considerations in Exhibits 1-10 where the evidence included from litigation in 6:13cv1950-Orl-40DAB, a Rule 132 declaration by Michael Suman from 90/013857 dated July 5, 2016, a Rule 132 declaration by Michael Suman dated Sept 8, 2017 and a Rule 132 declaration by Joseph C. McAlexander, III from 90/013857 dated July 6, 2016.

An advisory was mailed by the USPTO on September 29, 2017. A supplemental advisory was mailed by the USPTO on October 10, 2017 indicating evidence (Exhibits 4-9) of secondary considerations was not entered lacking showing of good and sufficient reason why the evidence is necessary and was not earlier presented per 37 CFR 1.116e while the evidence (Exhibits 1-3) and remarks were considered but not determined to be persuasive.

On October 25, 2017 a personal interview was held. The PTOL-404 Summary set forth:

> Description of the general nature of what was agreed to if an agreement was reached, or any other comments: Items ll-IV of the Interview Outline, copy attached, were discussed. *With regard to Section III, PO indicated the intent to file a Supplemental After FINAL amendment with showings under 37 CFR 116(b) for previously not entered evidence.* Also with regard to Section IV, PO will provide further elaboration if such "confirmation" is again requested in such Supplemental. (Emphasis added.)

while the PO Summary of November 1, 2017 set forth, e.g.:

> The Patent Owner discussed the attached agenda with the Examiners. In particular, the Patent Owner discussed *whether a more formal showing under 37 C.F.R. §1.116(b) was required for prior filed evidence.* The Examiner's encouraged the Patent Owner to provide a further response. The Patent Owner also discussed interpretation of "and/or" statements within the final Office Action. (Emphasis added.)

A supplemental after final response to the final Office Action was filed on November 17, 2017. The response included remarks requesting reconsideration of prior arguments and secondary consideration evidence in Exhibits 4-9 from litigation in 6:13cv1950-Orl-40DAB that were denied entry.

An advisory was mailed by the USPTO on December 5, 2017 indicating evidence (Exhibits 4-10) of secondary considerations was not entered due to lacking showing of good and sufficient reason why the evidence is necessary and was not earlier presented per 37 CFR 1.116e while the evidence (Exhibits 1-3) and remarks were considered but not determined to be persuasive.

An Appeal Brief was filed on January 17, 2018 and a supplemental Appeal Brief was filed on February 27, 2018 in response to a notice of non-compliance was mailed by USPTO on January 30, 2018.

An Examiner's Answer was mailed by the USPTO on May 14, 2018.

A corrected Reply Brief was filed on August 16, 2018.

A Decision on Appeal by the Patent Trial and Appeal Board was mailed by the USPTO on November 13, 2018 that reversed all of the rejections based on Chou. The Decision set forth:

We begin by construing a key disputed limitation of claim 1 which recites, in pertinent part, a multi-vehicle compatible controller. The Specification does not define the term, but does describe a multi-vehicle compatible controller 111 in Figure 10 that includes, among other things, a central processing unit 126 and input/output (I/O) circuitry 127 that interfaces with a vehicle device 121 using at least one corresponding vehicle device code from plural codes for different vehicles. '278 patent, col. 23,11. 59—67. The corresponding vehicle code may be for reading from, or writing to, the vehicle device. Id. col. 23, 1. 67 - col. 24, 1. 3.

In related litigation involving the '278 patent, a U.S. District Court construed the term "multi-vehicle compatible controller" as "electronic circuitry that performs one or more control functions, and can operate with more than one vehicle"—a construction that neither party disputed. *See Omega Patents, LLCv. CalAmp Corp.*, No. 6:13-cv-1950-Orl-40DAB, (M.D. Fla. Feb. 20, 2015) ("Dist. Ct. Claim Construction Order"), at 6,24, *cited in* App. Br. Rel. Proc. App. ("Item 8"). Although we apply a claim construction standard in *ex parte* reexamination proceedings different from that used by the court, we nonetheless find that the court's construction is consistent with the term's broadest reasonable interpretation in light of the Specification. *Accord Power Integrations, Inc. v. Lee*, 797 F.3d 1318, 1326—27 (Fed. Cir. 2015) (emphasizing the Board's obligation to (1) evaluate a district court's claim construction for terms at issue, and (2) determine whether that construction is consistent with the term's broadest reasonable interpretation).

Claim 1 further recites that the multi-vehicle compatible controller can communicate with at least one vehicle device using at least one corresponding vehicle device code from among plural device codes for different vehicles. The district court construed the term "device codes" as "signal from a vehicle device," Dist. Ct. Claim Construction Order at 17, 25—a construction that is likewise consistent with its broadest reasonable interpretation. Although the court did not construe the term "different vehicles," the '278 patent in column 22, lines 3 to 7 incorporates by reference a related patent, namely U.S. Patent No. 5,719,551 ("the '551 patent"), which explains that "the term different vehicles may include vehicles from different manufacturers, different models, or even different trim levels of the same make or model." '551 patent, col. 6, ll. 38-42. *Accord* Reply Br. 8 (acknowledging this explanation).

The term "trim level" in a vehicular context refers to a version of a vehicle model that comes equipped with a set combination of features. *See What is a Vehicle Trim Level*?, The Newswheel, http://thenewswheel.com/what-is-a-veliicle-trim-level (Oct. 27,2017) ("Newswheel"). In defining "trim level," this article explains that although trim packages previously were typically purely aesthetic and only added non-functional touches like chrome accents and upholstery stitching, many automakers today include sets of higher-technology features and/or performance upgrades in trim packages, resulting in offering as many as 6-10 different trim levels for a given vehicle model. *Id.*

Although the Examiner construes the recited term "different vehicles" to include vehicles that are the same make and model but with different trims consistent with the '551 patent, the Examiner nonetheless includes vehicles whose *electronics are not different* as "different vehicles." *See* Ans. 4.

We find this construction problematic on this record. To be sure, Newswheel indicates that differences among trim packages were formerly purely aesthetic and non-functional, thus suggesting that the electronics in these vehicles in these different trim packages would be the same despite the vehicles' aesthetic differences.

But as Appellant indicates (Reply Br. 6—9), vehicles with identical electronics would use the same vehicle codes and, therefore, their inclusion runs counter to the functionality of the recited *multi-vehicle compatible* controller that can communicate with a vehicle device using at least one corresponding vehicle device code *from among plural codes for different vehicles*. Indeed, this compatibility with different vehicles and their different codes is a fundamental aspect of the claimed invention that solves a longstanding problem in the art as Appellant indicates. *See* App. Br. 32 (noting that the lack of vehicle code compatibility among different vehicles for vehicle tracking units is the problem addressed by the '278 patent). To the extent that the Examiner construes the different vehicles in claim 1 to include those with the same vehicle codes, we find such a construction unreasonable when interpreted in light of the Specification.

In reaching this conclusion, we emphasize that the broadest reasonable interpretation in light of the Specification is not whether the Specification precludes some broad reading of the claim term adopted by the Examiner. *See In re Smith Int'l*, Inc., 871 F.3d 1375,1382—83 (Fed. Cir. 2017). Nor is the broadest reasonable interpretation simply one that is not inconsistent with the Specification. *Id.* at 1383. Rather, it is an interpretation that corresponds with what and how the inventor describes his invention in the Specification, that is, an interpretation consistent with the Specification. *Id.* (citing *In re Suitco Surface*, 603 F.3d 1255,1259-60 (Fed. Cir. 2010)).

Therefore, we find the Examiner's reliance on Chou for teaching the recited multi-vehicle compatible controller problematic on this record. In Chou, a vehicle's ECUs 103 (which the Examiner maps to the recited "vehicle device" (*see* Ans. 35)) report fault codes to fault detector 120B via vehicle bus 140 and vehicle bus adapter 120C, the latter translating messages received from the bus into the language of the fault detector and vice-versa. Chou, col. 4, ll. 20-28; Fig. 3. Although these fault codes' specifications and protocols depend on the manufacturer and vehicle model, and the codes are listed in an SAE publication, that does not mean that Chou's controller is *compatible with multiple vehicles*, where the controller can communicate with a vehicle device using at least one corresponding vehicle device code from among plural codes for different vehicles as claimed. Indeed, this very SAE publication acknowledges the lack of uniformity in

these codes between manufacturers and, in some cases, within the same manufacturer across different product lines. *See* App. Br. 26-27, 32 (quoting a passage from page 39 of the SAE HS-3000 manual). *Accord* Declaration by Joseph C. McAlexander, III Under 37 C.F.R. § 1.132, dated June 12, 2017 ("2017 McAlexander Decl.") Paragraph 13 (quoting this passage). *See also* Rule 132 Declaration by Michael J. Suman, dated July 5, 2016 ("Item 4) ("Suman Decl.") Paragraphs 11-12 (declaring that, at the time of his U.S. Patent 6,028,537 whose provisional application was filed June 14,1996, vehicle device codes were (1) proprietary to different manufacturers, (2) not made freely available, and (3) difficult to obtain). Accord Rule 132 Declaration By Joseph C. McAlexander, III, dated July 6, 2016 ("Item 5") ("2016 McAlexander Decl.") Paragraph 10 (corroborating this testimony).

At best, Chou's controller is compatible with *one* vehicle, namely the particular vehicle whose fault codes correspond to that particular vehicle for which the controller was designed. *Accord* App. Br. 32 (noting that Chou's ECUs use their own respective trouble codes that are different for different vehicles). Although Chou's remote service center can work with different vehicle device codes using a server 201 and repository 203 in Figure 1 as Appellant acknowledges (App. Br. 37), Chou does not teach or suggest providing such a capability in a vehicle.

Nor do we find that Chou teaches or suggests the recited downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller. In the related litigation, the District Court did not construe the term "downloading interface," but did construe the term "enabling data" as data relating to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller—a construction that matches the terms in the claim. See Dist. Ct. Claim Construction Order at 20-23,25.

According to the Specification, enabling data *may be, for example*, (1) the vehicle device code or codes; (2) an instruction to select a code or codes from among those already stored; or (3) the data or sequence to allow the controller 111 to generate the vehicle device code or codes. '278 patent, col. 24, ll. 9-13. Our emphasis on the permissive and exemplary language in this passage underscores that enabling data is not limited to these three alternatives.

But despite this non-limiting description, what is clear from Appellant's disclosure is that downloading enabling data via the recited interface enables the recited controller to use a *particular* vehicle device code from among plural such codes for different vehicles by providing either (1) the code itself to the controller, or (2) data that otherwise enables the controller to select or generate the code. See '278 patent, col. 24, l. 5 - col. 25, 1. 28; Figs. 10-13.

Turning to the rejection, the Examiner refers to, among other things, Chou's network interface 320 and external device in Figure 2, as well as network interface 107 and cell phone 102 in Figure 3, in connection with the recited downloading interface. *See* Ans. 5-6, 35-36.

As shown in Chou's Figures 2 and 3, Chou's network interface 320 communicates wirelessly with remote service center 200 whose diagnostic server 201 accesses vehicle-related data, including diagnostics and failure mode data. *See* Chou, col. 3, ll. 15-32; col. 5, ll. 33-39. In one aspect, the diagnostic server sends a health report to a vehicle's client computer device 101, where the report is based on trouble codes reported by the client. Chou, col. 6, ll. 1-14. If a fault or fault potential is identified, the server (1) informs the vehicle's client computer device via the data connection, and (2) compiles the relevant data and creates a case for an associated call center system 202 to handle. Chou, col. 6, ll. 15-19.

Chou's system can also provide vehicle health checkups upon driver request. *See* Chou, col. 8, l. 65 - col. 10, 1. 11; Fig. 5. After the driver triggers a health checkup session, vehicle data, including trouble codes, are sent to the diagnostic server where this information is compared with that stored in a repository, and a corresponding report is prepared and sent back to the vehicle for display. Chou, col. 9, ll. 1-59; Fig. 5.

Although this functionality facilitates downloading vehicle-related data and is, therefore, a "downloading interface" at least in that sense, it nevertheless does not permit downloading the *particular enabling data* recited in the claim. As noted previously, this enabling data enables the recited controller to use a *particular* vehicle device code from among plural such codes for different vehicles by providing either (1) the code itself to the controller, or (2) data that otherwise enables the controller to select or generate the code. See '278 patent, col. 24, 1. 5 - col. 25, 1. 28; Figs. 10-13. To the extent that the Examiner finds that the data contained in the report sent from Chou's diagnostic server to the vehicle somehow contains this particular enabling data, there is no evidence on this record to substantiate such a finding.

Therefore, we agree with Appellant that Chou does not teach or suggest the recited multi-vehicle compatible controller and downloading interface. Although this deficiency is dispositive regarding our reversing the Examiner's obviousness rejection, we add that Appellant's evidence of secondary considerations of non-obviousness, including licensing, commercial success, copying by others, customer need, and the limited value for accused products without the invention (App. Br. 38—54; Reply Br. 11; 2017 Me Alexander Decl. 119), only further weighs in favor of Appellant.

Therefore, we are persuaded that the Examiner erred in rejecting (1) independent claim 1; (2) independent claim 18 which recites commensurate limitations; and (3) dependent claims 4-8, 11, 12, and 19-21 for similar reasons. Because this issue is dispositive

regarding our reversing the Examiner's obviousness rejection of these claims, we need not address Appellants' other associated arguments including whether Chou teaches away from the claimed invention. See App. Br. 35-38.

Although Appellant's arguments regarding (1) the submitted evidence of secondary considerations of non-obviousness (App. Br. 38-54; Reply Br. 11), and (2) Chou teaching away from the claimed invention (App. Br. 35-38) are irrelevant to the Examiner's anticipation rejection over Chou (Ans. 30-42), we nonetheless find that Chou does not necessarily disclose the recited multi-vehicle compatible controller and downloading interface expressly or inherently for the reasons previously discussed.

Therefore, we are persuaded that the Examiner erred in rejecting (1) independent claim 1; (2) independent claim 18 which recites commensurate limitations; and (3) dependent claims 4-8, 11, 12, and 19-21 for similar reasons.

Because the Examiner has not shown that the additional cited prior art cures Chou's above-noted deficiencies, we will not sustain the obviousness rejections of claims 2, 3,9, 10,13-17, and 22 (Ans. 42—50) for similar reasons.

...

The Examiner's decision to reject claims 1-22 is reversed.

A Notice of Intent to Issue Reexam Certificate was mailed by USPTO on January 30, 2019.

End of discussion of prosecution history of '278 Patent.

<u>Instant '309 Request for Reexam</u>:

The instant '309 Request, hereafter also referred to as the '309 Request, was filed on May 24, 2019 by the same TPR which filed the '851 reexam and '587 reexam.

The SNQ Requirement

A printed publication raises a SNQ where there is a substantial likelihood that a reasonable examiner would consider the printed publication important in deciding whether or not the claim is patentable, unless the same SNQ has already been decided as to the claim in a final holding of invalidity by the Federal court system or by the Office in a previous examination. MPEP § 2242.

It is not sufficient that a request for reexamination merely proposes one or more rejections of a patent claim or claims as a basis for reexamination. It must first be demonstrated that a patent or printed publication that is relied upon in a proposed rejection presents a new, non-cumulative technological teaching that was not previously considered and discussed on the record during the prosecution of the application that resulted in the patent for which reexamination is requested, and during the prosecution of any other prior proceeding involving the patent for which reexamination is requested. MPEP § 2216.

The substantial new question of patentability may be based on art previously considered by the Office if the reference is presented in a new light or a different way that escaped review during earlier examination. MPEP § 2216.

SNQP/Reference Analysis

Attention is directed to MPEP 2216, i.e.:

> Under 35 U.S.C. 304, the Office must determine whether "a substantial new question of patentability" affecting any claim of the patent has been raised. 37 CFR 1.510(b)(1) requires that a request for ex parte reexamination include "a statement pointing out each substantial new question of patentability based on prior patents and printed publications." If such a new question is found, an order for ex parte reexamination of the patent is issued. **It is therefore important that the request clearly set forth in detail what the requester considers the**

> **"substantial new question of patentability" to be in view of prior patents and printed publications. The request must point out how any questions of patentability raised are substantially different from those raised in the previous examination of the patent before the Office.**
>
> It is not sufficient that a request for reexamination merely proposes one or more rejections of a patent claim or claims as a basis for reexamination. It must first be demonstrated that a patent or printed publication that is relied upon in a proposed rejection presents **a new, non-cumulative technological teaching** that was **not previously considered and discussed on the record during the prosecution of the application** that resulted in the patent for which reexamination is requested, **and during the prosecution of any other prior proceeding involving the patent for which reexamination is requested**. See also MPEP § 2242.
>
> The legal standard for ordering ex parte reexamination, as set forth in 35 U.S.C.303(a), requires a substantial new question of patentability. The substantial new question of patentability may be based on art previously considered by the Office **if** the reference is presented in a **new light or a different way that escaped review during earlier examination**.
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> ....
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> After the enactment of the Patent and Trademark Office Authorization Act of 2002 ("the 2002 Act"), a substantial new question of patentability can be raised by patents and printed publications "previously cited by or to the Office or considered by the Office" ("old art"). The 2002 Act did not negate the statutory requirement for a substantial new question of patentability that requires raising new questions about pre-existing technology. In the implementation of the 2002 Act, MPEP § 2242, subsection II.A. was revised. The revision permits raising a substantial new question of patentability based solely on old art, **but only if** the old art is "**presented/viewed in a new light, or in a different way, as compared with its use in the earlier concluded examination(s), in view of a material new argument or interpretation presented in the request**." Thus, a request may properly raise a substantial new question of patentability by raising a material new analysis of previously considered reference(s) under the rationales authorized by KSR.
>
> **Questions relating to grounds of rejection other than those based on prior art patents or printed publications should not be included in the request and will not be considered by the examiner if included**. Examples of such questions that will not be considered are public use, on sale, and conduct by parties. (Emphasis added.)

Attention is also invited to MPEP 2242, I., i.e.:

> The presence or absence of "a substantial new question of patentability" determines whether or not reexamination is ordered. The meaning and scope of the term "a substantial new question of patentability" is not defined in the statute and must be developed to some extent on a case-by-case basis, using the case law to provide guidance as will be discussed in this section.
>
> If the prior art patents and printed publications raise a substantial question of patentability of at least one claim of the patent, then a substantial new question of patentability is present, **unless the same question of patentability has already been decided** by (A) a final holding of invalidity, after all appeals, or (B) by the Office in a previous examination or pending reexamination of the patent. A "previous examination" of the patent is: (A) the original examination of the application which matured into the patent; (B) the examination of the patent in a reissue application that has resulted in a reissue of the patent; or (C) the examination of the patent in an earlier pending or concluded reexamination. ....
>
> A prior art patent or printed publication raises a substantial question of patentability where there is a substantial likelihood that a reasonable examiner would consider the prior art patent or printed publication important in deciding whether or not the claim is patentable. If the prior art patents and/or publications would be considered important, then the examiner should find "a substantial new question of patentability" **unless the same question of patentability has already been decided as to the claim** in a final holding of invalidity by the Federal court system or **by the Office in a previous examination.** For example, the same question of patentability may have already been decided by the Office where the examiner finds the additional (newly provided) prior art patents or printed publications *are merely cumulative to* ***similar*** *prior art* already fully considered by the Office in a previous examination of the claim.
>
> For "a substantial new question of patentability" to be present, it is only necessary that: (A) the prior art patents and/or printed publications raise a substantial question of patentability regarding at least one claim, i.e., the teaching of the (prior art) patents and printed publications is such that a reasonable examiner would consider the teaching to be important in deciding whether or not the claim is patentable; **and** (B) the same question of patentability as to the claim has not been decided by the Office in a previous examination or pending reexamination of the patent or in a final holding of invalidity by the Federal Courts in a decision on the merits involving the claim. It is not necessary that a "prima facie" case of unpatentability exist as to the claim in order for "a substantial new question of patentability" to be present as to the claim....
> (Emphasis added.)

Attention is also invited to 2258.01:

> …For purposes of reexamination, a cumulative reference that is repetitive is one that substantially reiterates verbatim the teachings of a reference that was either previously relied upon or discussed in a prior Office proceeding even though the title or the citation of the reference may be different….

Finally, see also MPEP 2247.

SNQPs Raised in this '309 Request

Requester asserts that the cited references raise SNQPs in the following manner:

Issue 1 Cell Port Labs in view of Spelt, Jones and the SAE HS-3000 Manuals is asserted as raising SNQ regarding claims 1-22.

Issue 2 Jones alone or in view of SAE HS-3000 Manuals is asserted as raising SNQ regarding claims 1-22.

Claim Limitations Important to Patentability

In view of the prosecution history discussed above including the recent PTAB Decision Appeal No. 2018-008119, the following limitations (emphasis added) from representative claim 1 are deemed important to patentability:

> Claim 1. A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible tracking unit comprising:
>
> a vehicle position determining device;
>
> a wireless communications device;
>
> a **multi-vehicle compatible controller** for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information; said **multi-vehicle compatible controller** to be *coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one*

corresponding vehicle device code from among a plurality thereof for different vehicles; and

a **downloading interface** *for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller.*

Issue 1: Proposed SNQP Based on Cell Port Labs

It is first noted that the Cell Port Labs Press Release is determined to be a printed publication. Further, it is agreed that the combination of Cell Port Labs Press Release in view of Spelt, Jones and the SAE HS-3000 Manuals raises a SNQ of patentability as to at least claim 1 of the Flick '278 patent. For purposes of SNQP analysis herein, lacking evidence to the contrary, the Cell Port Labs Press Release, Spelt, and Jones references are interpreted as describing the same communication apparatus using CP2100 capability based on similar publication dates and that each of these references appear to describe same system CP2100 by same company.

As prosecution history of '278 patent shows "a **multi-vehicle compatible controller** coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles" is a technological feature important to patentability of at least claim 1 in '278 patent.

As prosecution history of '278 patent also shows "a **downloading interface** for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller" is a technological feature important to patentability of the claims in '278 patent.

Requester asserts the Cell Port Labs Press Release in view of Spelt, Jones and SAE HS-3000 Manuals, raises a substantial new question of patentability as to claims 1-22 of the '278 patent. *See,* e.g., 12-13 of the Request.

The prosecution history indicates that the **SAE HS-3000 Manuals** was first considered in relation to the '278 Patent during the '851 reexam; while, the Cell Port Labs Press Release, Spelt and Jones were not of record during the prosecution of any application to which the benefit of priority is claimed as well as were not of record during the '587 reexamination and '851 reexamination. Accordingly, such references is not precluded from raising a substantial new question of patentability.

SAE HS-3000 Manuals however were not only cited but applied by the examiner during the prosecution of at least '851 reexam.

Accordingly, at least the **SAE HS-3000 Manuals** reference/evidence is "old art". However, as set forth *supra*, e.g., MPEP 2242 states:

> *"for example, a substantial new question of patentability may be based solely on old art where the old art is being presented viewed in a new light, or in a different way, as compared with its use in the earlier examination(s), in view of a material new argument or interpretation presented in the request."*

In this instance, Requester, see, e.g., Sections V (pages 10-12), VI, A. (pages 12-21) and VI, B. (pages 21-29) of the Request, asserts the combination of Cell Port Labs Press Release, Spelt**,** Jones and the SAE HS-3000 Manuals (previously before/considered by the Examiner during the examination/prosecution of the '851 reexam), see *supra*, a combination which was not considered during prosecution since the references to, e.g., Cell Port Labs Press Release, Spelt**,**

Jones were not even cited during prosecution. Accordingly, such combination is not precluded from raising a substantial new question of patentability.

During prosecution of the '272 application that led to the issuance of the '278 patent and the confirmation of patentability in the 90/013,587 reexam and the confirmation of patentability in the 90/013,851 reexam, the independent claims were allowed for reasons set forth by Examiner, see Summary of Prosecution History *supra*.

See the Request at, e.g., Sections V (pages 10-12), VI, A. (pages 12-21), Exhibit D, e.g., bridging pages 5-8. Such sections of the instant Request set forth:

> "**V. CITATION OF PERTINENT AND APPLICABLE PRIOR ART BELIEVED TO HAVE BEARING ON PATENTABILITY**"
>
> ...
>
> Requester submits that the references listed in the table above raise substantial new questions of patentability of the claims of the Flick '278 patent. In particular, the Cell Port Press Release (including its inherent disclosure of Spelt) and Jones, which are prior art patents or publications that have not previously been considered in evaluating the validity of the claims of the Flick '278 patent, disclose each and every limitation of the independent claims of the Flick '278 patent.
>
> The 1994 SAE FIS-3000 Manual and the 1997 SAE FIS-3000 Manual were considered during the '278 Second Reexam. Aside from these, none of the other references listed in the table above were considered during either the '278 File History, the '278 First Reexam, or the '278 Second Reexam.
>
> With respect to previously-considered prior art references, MPEP § 2258.01 states: "If the rejection to be made by the examiner will be based on a combination of 'old art' and art newly cited during the reexamination proceeding, the rejection is proper, and should be made. See In re Hiniker, 150 F.3d at 1367, 47 USPQ2d at 1527. (Court held the reexamination proceeding was supported by a substantial new question of patentability where the rejection before the court was based on a combination of art that had been before the examiner during the original prosecution, and art newly cited during the reexamination proceeding.)." Accordingly, the 1994 and 1997 SAE HS-3000 Manuals,

when viewed with the Cell Port Labs Press Release, Spelt, and the Jones references, are presented in a new light and raise a substantial new question of patentability.

In view of the above, Requester submits that the prior art references submitted herein present substantial new questions as to the patentability of the Flick '278 patent.

VI. STATEMENTS POINTING OUT EACH SUBSTANTIAL NEW QUESTION OF PATENTABI LITY

...

As explained in greater detail below, the references listed in the table above, either alone or in combination, raise substantial new questions of patentability not previously considered or addressed in the prior examination of the Flick '278 patent. More specifically, the Cell Port Labs Press Release (including the inherent disclosure of Spelt) and Jones individually anticipate at least the independent claims of the Flick '278 patent. Thus, the Cell Port Labs Press Release, Spelt, and Jones in combination with the other references listed in the table above, raise substantial new questions of patentability not previously considered or addressed in the prior examination of the Flick '278 patent.

A. The Cell Port Labs Press Release, Spelt, Jones, and the SAE HS-3000 Manuals

The Cell Port Labs Press Release was published on July 26, 1999. Spelt was published in 1998 by Spelt et al. The SAE HS-3000 Manuals (with 1994 and 1997 publication dates) set forth various standards, each under a particular SAE heading number, related to vehicle control systems that communicate with vehicle devices on a vehicle bus to obtain diagnostic information. Therefore, the Cell Port Labs Press Release, Spelt, and the SAE HS-3000 Manuals are prior art to the Flick '278 patent under pre-AIA 35 U.S.C. § 102(a) and (b). U.S. Patent No. 6,430,164 to Jones et al. was filed November 1, 1999, and issued August 6, 2002, and therefore Jones is prior art to the Flick '278 patent under pre-AIA 35 U.S.C. § 102(a), (b), and/or (e).

The Cell Port Labs, Spelt, and Jones references were not considered during the prosecution of the Flick '278 patent or the now-concluded '278 First and Second Reexams. The SAE HS-3000 Manuals were considered during the '278 Second Reexam, but are now being presented in a new light in view of the Cell Port Labs Press Release, Spelt, and Jones. These references provide a new technological teaching that raises a substantial new question of patentability.

1. Technological Teaching: A Mobile Network Server that Supports "Plug-and-Play" Multi-Vehicle Compatibility for Different Vehicles with a Downloading Interface and GPS

Cell Port Labs, Inc. (hereinafter, "Cell Port Labs") developed the CP2100 which was "a mobile network server designed to enable bi-directional data communications and network management functions within vehicles and provide real-time, wireless connectivity between vehicles and remote applications." CellPort Delivers Wireless, Vehicle-Based Applications Platform; Announces CP2100 Mobile Network Server, PRNEWSWIRE, July 26, 1999 (hereinafter, "Cell Port Labs Press Release")....

...

... the CP2100 interfaces to vehicle data buses (vehicle networks) such as the CAN and J1850. Furthermore, the Cell Port Labs Press Release discloses that "CellPort offers the first commercial product designed specifically to manage the growing list of in-vehicle networks, including IDB, CAN, USB and more." Cell Port Labs Press Release. The Cell Port Labs Press Release also discloses that the "CP2100 supports a variety of emerging vehicle bus interfaces, including IDB, J1708, J1850, CAN and ODBN". Cell Port Labs Press Release.

Additionally, the Cell Port Labs Press Release notes that Cell Port Labs was a participant in the IDB Demonstration Program, whereby it "provided connectivity to the Internet for many IDB-based vehicle systems on three IDB demonstration vehicles." Cell Port Labs Press Release. As discussed below, the IDB demonstration involved demonstrating the capability of the CP2100 utilizing the bus discovery protocols contained within the SAE standards disclosed in the 1994 and 1997 SAE HS-3000 Manuals to provide "plug-and-play" connectivity with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBD-II connector contained within each of the vehicles. *See* Spelt, p. 122-2.

The publication titled "A Demonstration Project for the ITS Data Bus Prototype" published in 1998 by Spelt et al. provides details regarding the IDB Demonstration Program noted in the Cell Port Labs Press Release. Philip F. Spelt & Allan M. Kirson, *A Demonstration Project for the ITS DATA Bus Prototype*, DIGITAL AVIONICS SYSTEMS CONFERENCE, 1998. PROCEEDINGS., 17™ DASC. Oct. 31-Nov. 7, 1998, Print ISBN: 0-7803-5086-3 (hereinafter, "Spelt").

Spelt discloses that Cell Port Labs, Inc. was a company participant in the IDB Demo98 project. Spelt, p. 122-3, Table 1. Furthermore, Spelt discloses that the

goal of the Demo98 project was "to demonstrate several of the functional requirements and capabilities of the IDB. These include 'hot plug-and-play of devices, interoperability of a device in different vehicles, and the information-sharing capacity of devices connected to the IDB." Spelt, p. 122-1 (emphasis added). As discussed above, other "[c]ompanies participating in Demo98 include the United States 'Big Three' automobile manufacturers: Chrysler (Concorde LXi), General Motors (Cadillac SLS), and Ford (Lincoln Continental)." Spelt, p. 122-2.

Additionally, Spelt elaborates on one of the important objectives of the Demo98 project: "The Plug-and-Play Scenario is the most fundamental and general of the four scenarios developed for Demo98. It is intended to demonstrate the IDB characteristics of 'hot plug-and-play' and the as can reasonably be shown with the devices provided by the participants. Thus, as the title implies, the hot plug-and-play capabilities of the IDB protocol are shown by inserting and removing devices while the IDB is alive and functioning. This demonstrates the inherent reconfigurability designed into the IDB protocol, by showing that current devices, which may have depended on another no longer available device, will still function on the IDB." Spelt, p. 122-2.

The "SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual" (with 1994 and 1997 publication dates; hereinafter, "1994 SAE HS-3000 Manual" and "1997 SAE HS-3000 Manual") provides the implementation details and recommended practices of the J1708, J1850 and OBD-II Scan Tool bus interfaces. In particular, the SAE HS-3000 Manual discloses that a device code on the vehicle data bus can be an SAE standard and/or one of seven manufacturer specific version of the device code. *See* e.g., 1994 SAE HS-3000 Manual, p. 213, Section 4 of SAE J2178/2. Furthermore, the 1994 and 1997 SAE HS-3000 Manuals disclose a bus discovery process involving reading different versions of a mode 1 PID 0 device code from the data communications bus and determining a match between a read device code and a plurality of stored device codes. *See* e.g., 1994 SAE HS-3000 Manual, p. 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978. It is the implementation of this standard that enables the CP2100 to have the "hot plug-and-play" capabilities demonstrated in the SAE IDB Demo98 Demonstration Program in which the ability of the CP2100 to perform bus discovery to connect and communicate with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBD-II connector of each vehicle was demonstrated....

The Cell Port Labs Press Release also discloses that the CP2100 is a multi-vehicle compatible controller cooperating with a wireless communications device by disclosing that the CP2100 includes "protocol conversion for a variety of vehicle buses and devices, wireless gateway communications independent of wireless

links, and embedded application router management capabilities." Cell Port Labs Press Release. The Cell Port Labs Press Release discloses that the CP2100 allows vehicle manufacturers and other entities to "connect a wide range of vehicles to their networks, including Extranets, Intranets, and Internet sites." Cell Port Labs Press Release. Moreover, the CP2100 overcomes a major obstacle - "that of integrating various data management functions within the vehicle and linking them with a centralized application via wireless communication networks." Cell Port Labs Press Release. The Cell Port Labs Press Release states that the CP2100 "provide[s] real-time, wireless connectivity between vehicles and remote applications" and that the CP2100's "[w]ireless airlink capabilities include cellular, spread spectrum radio, satellite and private radio." *Id.*

The Cell Port Labs Press Release further discloses a vehicle position determining device, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, **provide GPS information**, run diagnostic routines, reconfigure data collection routines, download code and run executable software." Cell Port Labs Press Release (emphasis added).

The Cell Port Labs Press Release also discloses a downloading interface for downloading enabling data related to the corresponding vehicle device code by disclosing that "[d]ata from the host can be sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines, download code and run executable software**." Cell Port Labs Press Release (emphasis added). This ability to download code and run executable software allows the CP2100 to communicate with multiple types of vehicles. Furthermore, in "run[ning] diagnostic routines" and "reconfiguring] data collection routines," the CP2100 necessarily must perform the bus discovery protocol (see, e.g., 1994 SAE HS-3000 Manual, page 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978) involving inspecting vehicle device codes to identify the particular type of vehicle and vehicle bus protocols that it utilizes. Once the bus discovery protocol is performed, the CP2100 identifies the type of vehicle to the remote host. The remote host then provides enabling data to configure the CP2100 to use appropriate device codes to run diagnostic routines and perform data collection routines for that specific type of vehicle.

Jones discloses the downloading interface for permitting downloading of enabling data related to the vehicle device code by disclosing that "the portal apparatus facilitates downloading of software configurations and updates to each communications apparatus in the vehicles of the particular fleet, as well as **facilitating the obtaining of vehicle operational data and other information including diagnostic data and status information including fault-related data**." Jones, 4:1-6 (emphasis added). In other words, Jones discloses enabling

data and directing which vehicle device codes to use to obtain vehicle operational data, diagnostics data, status and fault related data for a particular type of vehicle. For example, Figure 2 of Jones shows the configuration packet 300 containing an OBD-II field which requires a number of fields "to identify the particular subsystem from which [vehicle operational] data is being requested" from OBD-II subsystem 32, where said fields are configured in configuration packet 300 according to the particular vehicle device codes that are used for that particular vehicle. Jones, 15:32-37.

Jones also discloses that the downloading of updates includes enabling data with respect to specific vehicle devices to enable "plug and play" without any requirement to modify the vehicle device for communication with the CP2100 (i.e. the CP2100 achieves its "plug and play" capability by downloading the device codes and protocols necessary to communicate with the device). For example, Jones discloses that "[b]ased on the foregoing summary, a number of salient aspects of the present invention are readily identified. **Transfers of information including data relative to different devices, buses and/or networks are substantially seamlessly achieved**. Such transfers can be accomplished among these different subsystems without requiring that they be modified, thereby achieving a "**plug and play**" result. The disparate subsystems include protocol dependent components as well as close-ended devices at which data flow originates or is terminated, such as a GPS." Jones, 4:7-15 (emphasis added).

Jones also discloses, generally, a detailed process for maintenance and/or configuration updates for the plurality of vehicle device codes, whereby reconfiguring or updating software on the communications apparatuses 22 is "preferably sent as a single file from the portal apparatus 310 to one or more selected communications apparatuses 22 through the wireless network 314." Jones, 20:37-39; see also generally, 19:60-21:46. Once these vehicle device codes are received, "the configuration manager 180 is responsible for extracting changes from the configuration in the file and applying them to the communications apparatus 22 in a shadow or mirror form." *Id.* at 20:54-58.

...

3. Substantial New Question of Patentability as to Claims 1 through 22

Each of claims 1 through 22 require at least: a vehicle data bus, a vehicle position determining device, a wireless communications device, a multi-vehicle compatible controller, and a downloading interface for permitting downloading of enabling data. As shown above, the *Cell Port Labs Press Release in combination*

with Spelt, Jones, and the SAE HS-3000 Manuals disclose these limitations, and more detail is shown in the claim chart attached as Exhibit D.

Accordingly, it is submitted that:

- All aspects of claims 1, 13, and 18 are disclosed by the Cell Port Labs Press Release in view of Spelt and the SAE HS-3000 Manuals.

- All aspects of claims 1-22 are disclosed by the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals.

As shown above, a reasonable examiner would consider the teachings of the Cell Port Labs Press Release, Spelt, the SAE HS-3000 Manuals, and Jones important in deciding whether or not claims 1 through 22 of the Flick '278 patent are patentable. For these reasons, the Cell Port Labs Press Release (with the inherent disclosure of Spelt) in combination with the SAE HS-3000 Manuals raise a substantial new question of patentability with respect to the claims of the Flick '278 patent. Additionally, the Cell Port Labs Press Release (with the inherent disclosure of Spelt) in combination with Jones and the SAE HS-3000 Manuals raise a substantial new question of patentability with respect to the claims of the Flick '278 patent.

Therefore, for example, the facts regarding *Cell Port Labs Press Release* (e.g., "in the vehicle, the CP2100 provides network controller and server capabilities based on an integrated Power PC 823 embedded computing system", "… tracking and monitoring of fleet vehicles,… and in-vehicle information/entertainments systems", "the CP2100, a mobile network server designed to enable bi-directional data communications and network management functions within vehicles and provide real-time, wireless connectivity between vehicles and remote applications… the CP2100 will enable users to extend corporate enterprise management systems to vehicles and mobile computing devices", "CellPort offers the first commercial product designed specifically to manage the growing list of in-vehicle networks, including IDB, CAN, USB and more", "The CP2100 supports a variety of emerging vehicles bus interfaces, including IDB, J1708, CAN and ODBII" , "The CP2100 is also a universal gateway for real-time wireless

data communication, extending the Internet Protocol (IP) over wireless networks to the vehicle", "CellPort's new product enables the various data networks and electronic devices within a vehicle to function as a node on the Internet", "As a participant in the IDB Demonstration Program … CellPort provided connectivity to the Internet for many IDB-based vehicle systems on three IDB demonstration vehicles", "Wireless connectivity and protocol conversion are key ingredients for the successful implementation of advanced Telematics systems and the development of Internet-based systems within the vehicle… Cellport's technology proved invaluable in linking the wide range of IDB-based systems and applications in our three demonstration vehicles to fixed networks via wireless links", "The technical features of the CP2100 include protocol conversion for a variety of vehicle buses and devices, wireless gateway communications independent of wireless links, and embedded application router management capabilities", "The CP2100 architecture allows vehicle networks and RF links to be separated by a controller/gateway, providing a software application layer between the airlink and the vehicle… Data from the host can be sent to the vehicle to communicate with the operator, provide GPS information, run diagnostic routines, reconfigure data collection routines, download code and run executable software") in combination with *Spelt* (e.g. "Cell Port Labs, Inc. was a company participant in the IDB Demo98 project", "the goal of the Demo98 is to demonstrate several of the functional requirements and capabilities of the IDB. These include 'hot plug-and-play of devices, interoperability of a device in different vehicles, and the information-sharing capacity of devices connected to the IDB", "[c]ompanies participating in Demo98 include the United States 'Big Three' automobile manufacturers: Chrysler (Concorde LXi), General Motors (Cadillac SLS), and Ford (Lincoln Continental", "The Plug-and-Play Scenario is the most fundamental and general of the four scenarios developed for Demo98. It is intended to

demonstrate the IDB characteristics of 'hot plug-and-play' and the as can reasonably be shown with the devices provided by the participants. Thus, as the title implies, the hot plug-and-play capabilities of the IDB protocol are shown by inserting and removing devices while the IDB is alive and functioning. This demonstrates the inherent reconfigurability designed into the IDB protocol, by showing that current devices, which may have depended on another no longer available device, will still function on the IDB"), *Jones* (e.g. "the portal apparatus facilitates downloading of software configurations and updates to each communications apparatus in the vehicles of the particular fleet, as well as facilitating the obtaining of vehicle operational data and other information including diagnostic data and status information including fault-related data", "Transfers of information including data relative to different devices, buses and/or networks are substantially seamlessly achieved. Such transfers can be accomplished among these different subsystems without requiring that they be modified, thereby achieving a "plug and play" result. The disparate subsystems include protocol dependent components as well as close-ended devices at which data flow originates or is terminated, such as a GPS", "A communications apparatus for enabling communications among networks, buses, devices and other subsystems having different communication requirements is provided. The communications apparatus offers an open architecture for interoperability among diverse subsystems. The communications apparatus is particularly applicable in a vehicle… a portal apparatus located remote from the vehicle facilitates communications with the communications apparatus, particularly where the vehicle is part of a vehicle fleet. The communications apparatus includes a common module that has at least one protocol by which disparate subsystems can communicate with each other. One or more managers can be defined as being part of the common module. The disparate subsystem managers provide the necessary interfacing to enable the disparate subsystems to communicate

between and among each other using the common module. Each such manager has dedicated functionalities to facilitate communications. Managers associated with the common module may include managers for use in configuration and diagnostic tasks, encryption/decryption, compression/de-compression, controlling data flow, security regulation, and selecting an acceptable link for outside communications", "An example of such a close-ended device might be a global positioning system (GPS) that is useful in providing vehicle location information or a hardware device, such as a vehicle sensor from which data can be obtained for a particular vehicle component to which the sensor is operably connected", "In addition to the GPS, disparate subsystems may include an Internet protocol (IP) stack comprised of a number of network layers that are commonly involved in transfers using the Internet, a controller area network (CAN) found in at least some vehicles and which includes a bus along which a number of vehicle elements, communicate for supplying information concerning such elements. The disparate subsystems can also include an intelligent transportation system data bus (IDB) and/or an onboard diagnostics (OBD) that are involved with monitoring and providing information related to vehicle components", "Other disparate subsystems may include … a standard serial bus, a universal serial bus (USB), a user datagram packet/Internet protocol stack and a cellphone, as well as one or more other customer proprietary devices", "In conjunction with enabling communications between and among the disparate subsystems, as well as communications outside the vehicle, the communications apparatus includes a common module and a number of disparate subsystem managers. The common module is defined as being comprised of a number of common module managers, which may include one or more of the following:… a configuration manager for use in downloading applications, configuring routing tables, reviewing error logs and other assigned tasks; a diagnostics manager for collecting and relaying

diagnostic data;… as well as user-defined services, that can process, filter or otherwise act on available data", "… data gathering and other communications are facilitated involving a fleet of vehicles, with each having an embedded communications apparatus. … a portal apparatus acts as a communications link between vehicle fleets and the fleet managing subsystem. The portal apparatus facilitates downloading of software configurations and updates to each communications apparatus in the vehicles of the particular fleet, as well as facilitating the obtaining of vehicle operational data and other information including diagnostic data and status information including fault-related data", "common module 90 also includes a processing subsystem… Power PC") and *SAE HS-3000 Manuals* (e.g. "provides the implementation details and recommended practices of the J1708, J1850 and OBD-II Scan Tool bus interfaces. In particular, the SAE HS-3000 Manual discloses that a device code on the vehicle data bus can be an SAE standard and/or one of seven manufacturer specific version of the device code", "disclose a bus discovery process involving reading different versions of a mode 1 PID 0 device code from the data communications bus and determining a match between a read device code and a plurality of stored device codes") raises a substantial new question of patentability with respect to the "multi-vehicle compatible controller" or "downloading interface" as recited in independent claim 1, i.e., "**multi-vehicle compatible controller** to be *coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles*" and "a **downloading interface** *for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller*". In addition, the SAE HS-3000 Manuals as combined with Cell Port Labs Press Release, Spelt and Jones is being presented or viewed in a new light, or in a different way, as compared with its use

in the '851 reexamination, in view of material new argument or interpretation presented in the Request herein. Recall, Cell Port Labs Press Release, Spelt, Jones were not cited or applied in original examination of '272 application, '587 reexamination and '851 reexamination. Further, the combination of Cell Port Labs Press Release, Spelt, Jones with the SAE HS-3000 Manuals as presented in the Request herein is being presented or viewed in a new light, or in a different way, i.e., presents a new, non-cumulative technological teaching, as compared with its use in the '851 reexamination, in view of material new argument or interpretation presented in the Request herein.

Given the teachings of the combination of Cell Port Labs Press Release, Spelt, Jones and SAE HS-3000, a reasonable examiner would consider these teachings important in evaluating the patentability of the independent claims of the '278 patent. This art was not applied/so combined during a previous examination of US Patent No. 8,032,278, and the claims at issue are not the subject of a final holding by a Federal Court. Accordingly, these prior art patents and printed publications asserted in the Request raise a substantial question of patentability with respect to at least one claim, e.g. claim 1, of the '278 patent.

Issue 2: Proposed SNQP Based on Jones

It is agreed that the combination of Jones and the SAE HS-3000 Manuals raises a SNQ of patentability as to at least claim 1 of the Flick '278 patent.

As noted above, the prosecution history of '278 patent shows "a **multi-vehicle compatible controller** coupled to the vehicle data bus for communication thereover with at least

one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles" is a technological feature important to patentability of at least claim 1 in '278 patent.

Also, as noted above, the prosecution history of '278 patent also shows "a **downloading interface** for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller" is a technological feature important to patentability of the claims in '278 patent.

Requester asserts Jones in combination with the SAE HS-3000 Manuals raises a substantial new question of patentability as to claim 1-22 of the '278 patent. *See,* e.g., 12-13 of the Request.

See Discussion in Issue 1 herein above regarding SAE HS-3000 Manuals being "old" art.

See the Request at, e.g., Sections V (pages 10-12), VI, B. (pages 21-29), Exhibit E, e.g., bridging pages 3-6. Such sections of the instant Request set forth:

> "**V. <u>CITATION OF PERTINENT AND APPLICABLE PRIOR ART BELIEVED TO HAVE BEARING ON PATENTABILITY</u>**"
>
> ...
>
> Requester submits that the references listed in the table above raise substantial new questions of patentability of the claims of the Flick '278 patent. In particular, the Cell Port Press Release (including its inherent disclosure of Spelt) and Jones, which are prior art patents or publications that have not previously been considered in evaluating the validity of the claims of the Flick '278 patent, disclose each and every limitation of the independent claims of the Flick '278 patent.
>
> The 1994 SAE FIS-3000 Manual and the 1997 SAE FIS-3000 Manual were considered during the '278 Second Reexam. Aside from these, none of the other references listed in

the table above were considered during either the '278 File History, the '278 First Reexam, or the '278 Second Reexam.

With respect to previously-considered prior art references, MPEP § 2258.01 states: "If the rejection to be made by the examiner will be based on a combination of 'old art' and art newly cited during the reexamination proceeding, the rejection is proper, and should be made. See In re Hiniker, 150 F.3d at 1367, 47 USPQ2d at 1527. (Court held the reexamination proceeding was supported by a substantial new question of patentability where the rejection before the court was based on a combination of art that had been before the examiner during the original prosecution, and art newly cited during the reexamination proceeding.)." Accordingly, the 1994 and 1997 SAE HS-3000 Manuals, when viewed with the Cell Port Labs Press Release, Spelt, and the Jones references, are presented in a new light and raise a substantial new question of patentability.

In view of the above, Requester submits that the prior art references submitted herein present substantial new questions as to the patentability of the Flick '278 patent.

VI. STATEMENTS POINTING OUT EACH SUBSTANTIAL NEW QUESTION OF PATENTABI LITY

...

As explained in greater detail below, the references listed in the table above, either alone or in combination, raise substantial new questions of patentability not previously considered or addressed in the prior examination of the Flick '278 patent. More specifically, the Cell Port Labs Press Release (including the inherent disclosure of Spelt) and Jones individually anticipate at least the independent claims of the Flick '278 patent. Thus, the Cell Port Labs Press Release, Spelt, and Jones in combination with the other references listed in the table above, raise substantial new questions of patentability not previously considered or addressed in the prior examination of the Flick '278 patent.

B. U.S. Patent No. 6,430,164 to Jones, in view of the SAE HS-3000 Manuals

U.S. Patent No. 6,430,164 to Jones et al. was filed November 1, 1999, and issued August 6, 2002, and therefore Jones is prior art to the Flick '278 patent under pre-AIA 35 U.S.C. § 102(a), (b), and/or (e). This reference was not considered during the prosecution of the Flick '278 patent or the '278 First and Second Reexams. This reference provides a new technological teaching that raises a substantial new question of patentability.

1. Technological Teaching: A Communication Apparatus with "Plug-and-Play" Multi-Vehicle Compatibility Embedded in Different Vehicles with a Downloading Interface and GPS

Jones was filed by inventors Marc Jones, Charles Spaur, Michael Tibbets, and Patrick Kennedy on November 1, 1999, and then assigned to Cell Port Labs on October 26, 1999 (recorded on Nov. 1, 1999, Reel No. 010357, Frame 0498). Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs, the company disclosed in the Cell Port Labs Press Release).

...

Jones teaches a vehicle tracking system for a vehicle comprising a vehicle data bus (e.g., IDB 28, OBD-II 32, CAN 36, and Standard Serial Bus 44) extending throughout the vehicle. Jones also teaches at least one vehicle device (e.g., Nodes 80b-80h).

Jones discloses a communication apparatus "contained within a vehicle having a number of disparate subsystems. The disparate subsystems include protocol based units and close-ended devices." Jones, 1:57-59. Jones further discloses that "[a]n example of such a close-ended device might be a global position system (GPS) that is useful in providing vehicle location information or a hardware device, such as a vehicle sensor from which data can be obtained for a particular vehicle component to which the sensor is operably connected[.]" Jones, 1-6; *see* also Fig. 1, elements 26 and 112.

Jones discloses a wireless communications device by disclosing a cellphone 64 and wireless network 314. Jones, Fig. 1; see also 5:52-53. Jones further discloses that "[t]he cellphone 64 is a useful communications tool in sending/receiving analog voice or digital data." Jones, 5:52-53.

Jones issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 Mobile Network Server (hereinafter, "CP2100") as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3,19:7-15. The CP2100 is multivehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP2100. *See* e.g., Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1.

Jones also discloses that "[t]he system includes a plurality of disparate subsystems 20 and a communications apparatus 22. The disparate subsystems 20 in a vehicle can include one or more of the following components: Internet protocol (IP) stacks 24; **a global positioning system (GPS)** 26; **an intelligent transportation system data bus (IDB) 28; an onboard diagnostics (OBD-II) 32; a controller area network (CAN) 36**; a universal serial bus (USB) 40; a standard serial bus 44; an analog/digital converter

(ADC) 48; browser technology 52; voice recognition (VR) technology 56; text-to-speech (TTS) technology 60; **a cellphone 64; user datagram packets/Internet protocol stack(s) (UDP/IP)**, one or more custom or proprietary units or components, as well as any other presently or later devised subsystem that may be useful in a vehicle or another environment in which the system is operating." Jones, 4:55-67 (emphasis added).

Jones discloses the CP2100 supports a variety of different vehicle busses, including IDB, OBD-II and CAN. *See* e.g., Jones, 4:57-63 ("The disparate subsystems 20 in a vehicle can include one or more of the following components: Internet protocol (IP) stacks 24; a global positioning system (GPS) 26; an intelligent transportation system data bus (IDB) 28; an onboard diagnostics (OBD-II) 32; a controller area network (CAN) 36.").

Jones discloses a configuration packet 300 which requests OBD-II data from vehicle devices. See Jones, Fig. 2.

...

Jones discloses that the configuration packet 300 must specify "a destination, services that might be invoked, and data or other information being requested." Jones, 14:67-15:1. In other words, the process described in Figure 2 of Jones implicitly discloses that the multi-vehicle compatible controller must implement the SAE bus discovery process described in SAE J1978. Once the bus discovery protocol is performed, the CP2100 identifies the type of vehicle to the remote host, thereby determining which vehicle codes to use from the plurality of stored vehicle codes. The remote host then provides enabling data to configure the CP2100 to use appropriate device codes to run diagnostic routines and perform data collection routines for that specific type of vehicle.

The "SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual" with multiple publication dates including 1994 and 1997 (hereinafter the "1994 SAE HS-3000 Manual" and the "1997 SAE HS-3000 Manual"), provides the implementation details and recommended practices of the J1708, J1850 and OBDII bus interfaces.

In particular, the SAE HS-3000 Manual discloses that a device code on the vehicle data bus can be an SAE standard and/or one of seven manufacturer specific version of the device code. See e.g., 1994 SAE HS-3000 Manual, p. 213, Section 4 of SAE J2178/2. Furthermore, the 1994 and 1997 SAE HS-3000 Manuals disclose a bus discovery process involving reading different versions of a mode 1 PID 0 device code from the data communications bus and determining a match between a read device code and a stored device code. See e.g., 1994 SAE HS-3000 Manual, p. 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978. It is the implementation of this standard that enables the CP2100 to have the "hot plug-and-play" capabilities demonstrated in the SAE IDB Demo98 Demonstration Program in which the ability of the CP2100 to perform bus discovery to connect and communicate with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBD-II connector of each vehicle was demonstrated.

Jones discloses a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code by disclosing that "the portal apparatus facilitates downloading of software configurations and updates to each communications apparatus in the vehicles of the particular fleet, as well as **facilitating the obtaining of vehicle operational data and other information including diagnostic data and status information including fault-related data**." Jones, 4:1-6 (emphasis added). In other words, Jones discloses enabling data and directing which vehicle device codes to use to obtain vehicle operational data, diagnostics data, status and fault related data for a particular type of vehicle. For example, Figure 2 of Jones shows the configuration packet 300 containing an OBD-II field which requires a number of fields "to identify the particular subsystem from which [vehicle operational] data is being requested" from OBD-II subsystem 32, where said fields are configured in configuration packet 300 according to the particular vehicle device codes that are used for that particular vehicle. Jones, 15:32-37.

Jones also discloses that the downloading of updates includes enabling data with respect to specific vehicle devices to enable "plug and play" without any requirement to modify the vehicle device for communication with the CP2100 (i.e. the CP2100 achieves its "plug and play" capability by downloading the device codes and protocols necessary to communicate with the device). For example, Jones discloses that "[b]ased on the foregoing summary, a number of salient aspects of the present invention are readily identified. **Transfers of information including data relative to different devices, buses and/or networks are substantially seamlessly achieved**. Such transfers can be accomplished among these different subsystems without requiring that they be modified, thereby achieving a "**plug and play**" result. The disparate subsystems include protocol dependent components as well as close-ended devices at which data flow originates or is terminated, such as a GPS." Jones, 4:7-15 (emphasis added).

Jones also discloses, generally, a detailed process for maintenance and/or configuration updates for the plurality of vehicle device codes, whereby reconfiguring or updating software on the communications apparatuses 22 is "preferably sent as a single file from the portal apparatus 310 to one or more selected communications apparatuses 22 through the wireless network 314." Jones, 20:37-39; *see also generally*, 19:60-21:46. Once these vehicle device codes are received, "the configuration manager 180 is responsible for extracting changes from the configuration in the file and applying them to the communications apparatus 22 in a shadow or mirror form." *Id.* at 20:54-58.

...

3. Substantial New Question of Patentability as to Claims 1 through 22

Each of claims 1 through 22 require at least: a vehicle data bus, a vehicle position determining device, a wireless communications device, a multi-vehicle compatible controller, and a downloading interface for permitting downloading of enabling data. As shown above, Jones in combination with the inherent disclosure of the SAE FIS-3000

> Manuals disclose these limitations, and more detail is shown in the claim chart attached as Exhibit E.
>
> Accordingly, it is submitted that all aspects of claims 1-22 are disclosed by Jones in view of the inherent disclosure of the SAE FIS-3000 Manuals.
>
> As shown above, a reasonable examiner would consider the teachings of Jones and the SAE FIS-3000 Manuals important in deciding whether or not claims 1 through 22 of the Flick '278 patent are patentable. For these reasons, Jones in combination with the inherent disclosures of the SAE HS-3000 Manuals submitted in this Request raise a substantial new question of patentability with respect to the claims of the Flick '278 patent.

Therefore, for example, the facts regarding Jones (e.g. "the portal apparatus facilitates downloading of software configurations and updates to each communications apparatus in the vehicles of the particular fleet, as well as facilitating the obtaining of vehicle operational data and other information including diagnostic data and status information including fault-related data", "Transfers of information including data relative to different devices, buses and/or networks are substantially seamlessly achieved. Such transfers can be accomplished among these different subsystems without requiring that they be modified, thereby achieving a "plug and play" result. The disparate subsystems include protocol dependent components as well as close-ended devices at which data flow originates or is terminated, such as a GPS", "A communications apparatus for enabling communications among networks, buses, devices and other subsystems having different communication requirements is provided. The communications apparatus offers an open architecture for interoperability among diverse subsystems. The communications apparatus is particularly applicable in a vehicle. a portal apparatus located remote from the vehicle facilitates communications with the communications apparatus, particularly where the vehicle is part of a vehicle fleet. The communications apparatus includes a common module that has at least one protocol by which disparate subsystems can communicate with each other. One or more managers can be defined as being part of the common module. The disparate subsystem

managers provide the necessary interfacing to enable the disparate subsystems to communicate between and among each other using the common module. Each such manager has dedicated functionalities to facilitate communications. Managers associated with the common module may include managers for use in configuration and diagnostic tasks, encryption/decryption, compression/de-compression, controlling data flow, security regulation, and selecting an acceptable link for outside communications", "An example of such a close-ended device might be a global positioning system (GPS) that is useful in providing vehicle location information or a hardware device, such as a vehicle sensor from which data can be obtained for a particular vehicle component to which the sensor is operably connected", "In addition to the GPS, disparate subsystems may include an Internet protocol (IP) stack comprised of a number of network layers that are commonly involved in transfers using the Internet, a controller area network (CAN) found in at least some vehicles and which includes a bus along which a number of vehicle elements, communicate for supplying information concerning such elements. The disparate subsystems can also include an intelligent transportation system data bus (IDB) and/or an onboard diagnostics (OBD) that are involved with monitoring and providing information related to vehicle components", "Other disparate subsystems may include … a standard serial bus, a universal serial bus (USB), a user datagram packet/Internet protocol stack and a cellphone, as well as one or more other customer proprietary devices", "In conjunction with enabling communications between and among the disparate subsystems, as well as communications outside the vehicle, the communications apparatus includes a common module and a number of disparate subsystem managers. The common module is defined as being comprised of a number of common module managers, which may include one or more of the following:… a configuration manager for use in downloading applications, configuring routing tables,

reviewing error logs and other assigned tasks; a diagnostics manager for collecting and relaying diagnostic data;… as well as user-defined services, that can process, filter or otherwise act on available data", "… data gathering and other communications are facilitated involving a fleet of vehicles, with each having an embedded communications apparatus. … a portal apparatus acts as a communications link between vehicle fleets and the fleet managing subsystem. The portal apparatus facilitates downloading of software configurations and updates to each communications apparatus in the vehicles of the particular fleet, as well as facilitating the obtaining of vehicle operational data and other information including diagnostic data and status information including fault-related data") and SAE HS-3000 Manuals (e.g. "provides the implementation details and recommended practices of the J1708, J1850 and OBD-II Scan Tool bus interfaces. In particular, the SAE HS-3000 Manual discloses that a device code on the vehicle data bus can be an SAE standard and/or one of seven manufacturer specific version of the device code", "disclose a bus discovery process involving reading different versions of a mode 1 PID 0 device code from the data communications bus and determining a match between a read device code and a plurality of stored device codes") raises a substantial new question of patentability with respect to the "multi-vehicle compatible controller" or "downloading interface" as recited in independent claim 1, i.e., "**multi-vehicle compatible controller** to be *coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles*" and "a **downloading interface** *for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller*". In addition, the SAE HS-3000 Manuals as combined with Jones is being presented or viewed in a new light, or in a different way, as compared with its use in the '851

reexamination, in view of material new argument or interpretation presented in the Request herein. Recall, Jones was not cited or applied in original examination of '272 application, '587 reexamination and '851 reexaminaiton. Further, the combination of Jones with the SAE HS-3000 Manuals as presented in the Request herein is being presented or viewed in a new light, or in a different way, i.e., presents a new, non-cumulative technological teaching, as compared with its use in the '851 reexamination, in view of material new argument or interpretation presented in the Request herein.

Given the teachings of the combination of Jones and SAE HS-3000, a reasonable examiner would consider these teachings important in evaluating the patentability of the independent claims of the '278 patent. This art was not applied/so combined during a previous examination of US Patent No. 8,032,278, and the claims at issue are not the subject of a final holding by a Federal Court. Accordingly, these prior art patents and printed publications asserted in the Request raise a substantial question of patentability with respect to at least one claim, e.g. claim 1, of the '278 patent.

Conclusion

Accordingly, as the findings above show that a substantial new question of patentability is present, reexamination is granted, see MPEP 2242. Claims 1-22 **will be** reexamined.

Correspondence

All correspondence relating to this ex parte reexamination proceeding should be directed:

By Mail to: Mail Stop *Ex Parte* Reexam
Central Reexamination Unit
Commissioner for Patents
United States Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

By FAX to: (571) 273-9900
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Any inquiry concerning this communication should be directed to the Central Reexamination Unit at telephone number 571-272-7705.

Other useful telephone numbers:
Reexamination Practice (571) 272-7703
Reexamination Facsimile Transmission No. (571) 273-9900

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Reexamination	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90/014,309	8032278
	Certificate Date	Certificate Number

Requester Correspondence Address: ☐ **Patent Owner** ☑ **Third Party**

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2190 S. Towne Centre, Suite 300
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LITIGATION REVIEW ☑	/MS/ (examiner initials)	24 June 2019 (date)
Case Name		Director Initials
6:13cv1950-PGB-DAB (M.D. Fla. Dec 20, 2013)		
1:14cv2769 stayed pending outcome of reexam Jan 31, 2018		

COPENDING OFFICE PROCEEDINGS	
TYPE OF PROCEEDING	**NUMBER**

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90/014,309	8032278
	Examiner	**Art Unit**
	MARK A SAGER	3992

CPC - Searched*		
Symbol	**Date**	**Examiner**

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	**Date**	**Examiner**
Reviewed prosecution history of 8032278 including 90/013587 and 90/013851. Also reviewed 90/03569, 90/013741, 90/01422 and 90/014038 discussed in Request.	06/17/2019	/MS/

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**

PTO/SB/42 (07-09)
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37 CFR 1.501 INFORMATION DISCLOSURE CITATION IN A PATENT

(Sheet 1 of 3)

Docket Number (Optional)	Patent Number
C13-03896.RE3	8,032,278
Applicant: Kenneth E. Flick	
Issue Date: October 4, 2011	Art Unit: 3661

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6430164 B1	2002-08-06	Jones et al.	370	313	1999-11-01
	6606561 B2	2003-08-12	Flick	701	213	2001-05-17
	7149623 B2	2006-12-12	Flick	701	207	2003-03-07
	7720597 B2	2010-05-18	Flick	701	207	2005-03-09
	8032278 B2	2011-10-04	Flick	701	036	2007-07-03
	8032278 C1	2016-12-28	Flick	701	036	2015-09-14
	8032278 C2	2019-02-06	Flick	701	036	2016-10-28

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		CellPort Delivers Wireless, Vehicle-Based Applications Platform; Announces CP2100 Mobile Network Server, CellPort Labs, Inc., July 26, 1999.
		FLICK, U.S. Provisional Application No. 60/205,178, filed May 17, 2000.
		FLICK, U.S. Provisional Application No. 60/222,777, filed August 3, 2000.
		FLICK, U.S. Provisional Application No. 60,236,890, filed September 29, 2000.
		FLICK, U.S. Provisional Application No. 60/252,125, filed November 20, 2000.
		FLICK, U.S. Provisional Application No. 60/251,552, filed December 6, 2000.

EXAMINER	DATE CONSIDERED
/MARK SAGER/	06/27/2019

This collection of information is required by 37 CFR 1.501. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Doc Code: IDS

Document Description: Information Disclosure Statement filed

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37 CFR 1.501 INFORMATION DISCLOSURE CITATION IN A PATENT

(Sheet 2 of 3)

Docket Number (Optional)	Patent Number
C13-03896.RE3	8,032,278
Applicant: Kenneth E. Flick	
Issue Date: October 4, 2011	Art Unit: 3661

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		FLICK, U.S. Provisional Application No. 60/258,005, filed December 22, 2000.
		FLICK, U.S. Provisional Application No. 60,264,811, filed January 29, 2001.
		OMEGA PATENTS, LLC v. CALAMP CORP., 18-1309 (Fed. Cir. 2019)
		SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual, SAE HS-3000, Society of Automotive Engineers, Inc., 1994.
		SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual, SAE HS-3000, Society of Automotive Engineers, Inc., 1997.
		SPELT ET AL., A Demonstration Project for the ITS Data Bus Prototype, ISBN: 0-7803-5086-3, pp. I22/1 - I22/6, 1998

EXAMINER	DATE CONSIDERED
/MARK SAGER/	06/27/2019

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Doc Code: IDS

Document Description: Information Disclosure Statement filed

PTO/SB/42 (07-09)
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37 CFR 1.501 INFORMATION DISCLOSURE CITATION IN A PATENT (Sheet 3 of 3)	Docket Number (Optional) C13-03896.RE3	Patent Number 8,032,278
	Applicant Kenneth E. Flick	
	Issue Date October 4, 2011	Art Unit 3661

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		WITHAM ET AL., U.S. Provisional Application No. 60/246,463, filed November 7, 2000.
		WRIGHT, Prep for a Multimedia Future, Auto Electronics, pp. 78-88, August 19, 1999.

EXAMINER	DATE CONSIDERED
/MARK SAGER/	06/27/2019

This collection of information is required by 37 CFR 1.501. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
90/014,309	05/24/2019	8032278	C13-03896.RE3	8724

7590 06/14/2019
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EXAMINER
SAGER, MARK ALAN

ART UNIT	PAPER NUMBER
3992	

MAIL DATE	DELIVERY MODE
06/14/2019	PAPER

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The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

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THIRD PARTY REQUESTER'S CORRESPONDENCE ADDRESS

Date: JUN 14 2019

KPPB, LLP (CALAMP)
2190 S. TOWNE CENTRE PLACE
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ANAHEIM, CA 92806

EX PARTE REEXAMINATION COMMUNICATION TRANSMITTAL FORM

REEXAMINATION CONTROL NO. : 90014309
PATENT NO. : 8032278
ART UNIT : 3993

Enclosed is a copy of the latest communication from the United States Patent and Trademark Office in the above identified ex parte reexamination proceeding (37 CFR 1.550(f)).

Where this copy is supplied after the reply by requester, 37 CFR 1.535, or the time for filing a reply has passed, no submission on behalf of the ex parte reexamination requester will be acknowledged or considered (37 CFR 1.550(g)).

Ex Parte Reexamination Interview Summary – Pilot Program for Waiver of Patent Owner's Statement	Control No. 90/014,309	Patent For Which Reexamination is Requested 8,032,278
	Examiner	Art Unit 3999

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address. --

All participants (USPTO official and patent owner):

(1) Patricia Martin (3)

(2) Christopher Regan, 34906 (4)

Date of Telephonic Interview: 6/11/2013.

The USPTO official requested waiver of the patent owner's statement pursuant to the pilot program for waiver of patent owner's statement in *ex parte* reexamination proceedings.*

☐ The patent owner **agreed** to waive its right to file a patent owner's statement under 35 U.S.C. 304 in the event reexamination is ordered for the above-identified patent.

☐ The patent owner **did not agree** to waive its right to file a patent owner's statement under 35 U.S.C. 304 at this time.

The patent owner is not required to file a written statement of this telephone communication under 37 CFR 1.560(b) or otherwise. However, any disagreement as to this interview summary must be brought to the immediate attention of the USPTO, and no later than one month from the mailing date of this interview summary. Extensions of time are governed by 37 CFR 1.550(c).

*For more information regarding this pilot program, see *Pilot Program for Waiver of Patent Owner's Statement in Ex Parte Reexamination Proceedings*, 75 *Fed. Reg.* 47269 (August 5, 2010), available on the USPTO Web site at http://www.uspto.gov/patents/law/notices/2010.jsp.

☒ USPTO personnel were unable to reach the patent owner.

The patent owner may contact the USPTO personnel at the telephone number provided below if the patent owner decides to waive the right to file a patent owner's statement under 35 U.S.C. 304.

/Patricia Martin/
Paralegal Specialist,
Central Reexamination Unit 571-272-5004
Signature and telephone number of the USPTO official who contacted or attempted to contact the patent owner.

cc: Requester (if third party requester)

Litigation Search Report CRU 3999

Reexam Control No. 90/014,309

TO: Mark Sager
Location: CRU
Art Unit: 3992
Date: June 13, 2019

U.S. Patent Number: 8,032,278

From: Patricia Martin
Paralegal Specialist
Location: CRU 3999
Phone: (571) 272-7705

Search Notes

1) I performed a search on the patent in Lexis Court Link for any open dockets or closed cases.

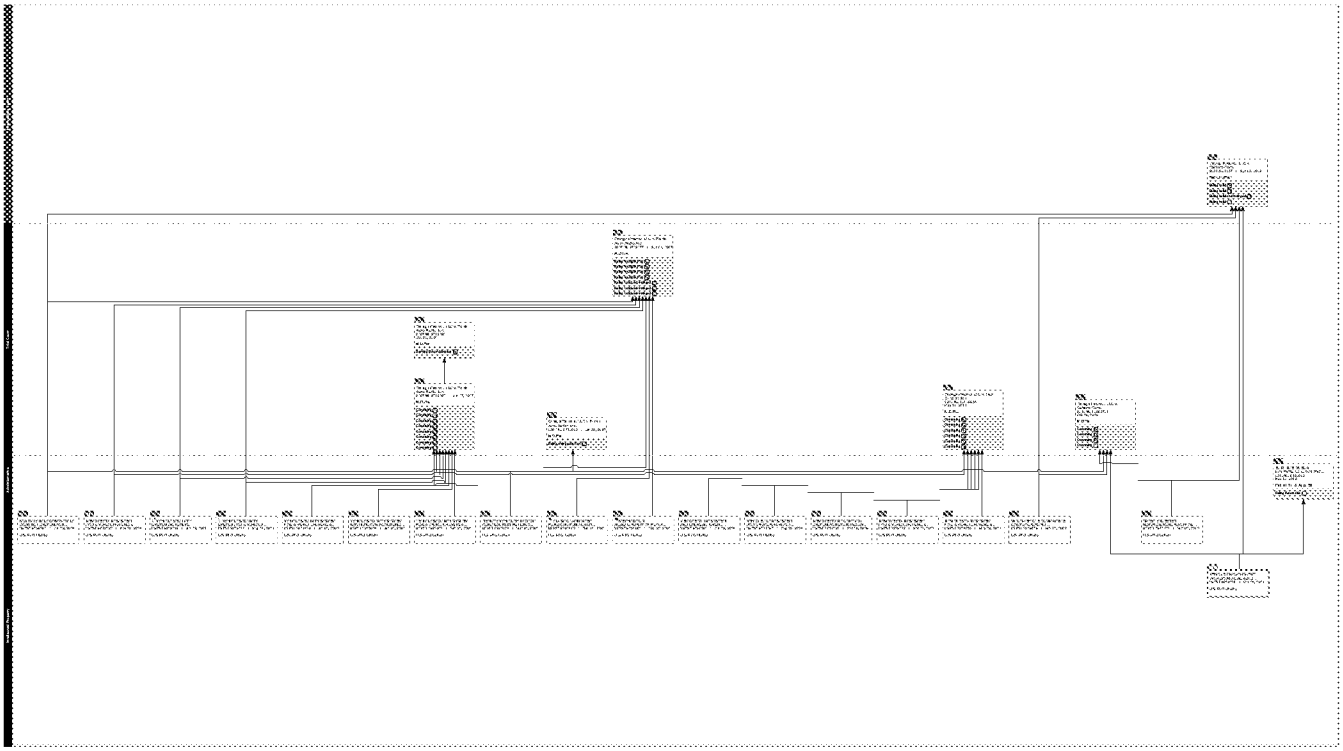
2) I performed a Key Cite Search in Westlaw, which retrieves all history on the patent including any litigation.

3) I performed a search in Lexis in the Federal Courts and Administrative Materials databases for any cases found.

4) I performed a search in Lexis in the IP Journal and Periodicals database for any articles on the patent.

5) I performed a search in Lexis in the news databases for any articles about the patent or any articles about litigation on this patent.

Litigation was found involving:



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History (81)

Direct History (62)

1. ELASTIC LAMINATED FABRIC MATERIAL AND METHOD OF MAKING SAME Out Of Plan
US PAT 6001460 , U.S. PTO Utility , Dec. 14, 1999

Ruled Invalid in Part by

2. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719177 , M.D.Fla. , Apr. 04, 2007

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3. VEHICLE SECURITY SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS Out Of Plan
US PAT 6011460 , U.S. PTO Utility , Jan. 04, 2000

Construed by

4. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719097 , M.D.Fla. , Jan. 17, 2007

Reconsideration Denied by

5. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719099 , M.D.Fla. , Mar. 29, 2007

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6. METHOD FOR MEASUREMENT OF FLOW VELOCITY OR DIFFUSIVITY, MICROSENSOR AND APPLICATION OF SUCH MICROSENSOR Out Of Plan
US PAT 6234004 , U.S. PTO Utility , May 22, 2001

Ruled Invalid in Part by

7. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719177 , M.D.Fla. , Apr. 04, 2007

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8. VEHICLE SECURITY SYSTEM WITH INDUCTIVE COUPLING TO A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS Out Of Plan
US PAT 6243004 , U.S. PTO Utility , June 05, 2001

Construed by

9. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719097 , M.D.Fla. , Jan. 17, 2007

Reconsideration Denied by

10. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719099 , M.D.Fla. , Mar. 29, 2007

11. VEHICLE SECURITY SYSTEM INCLUDING ADAPTOR FOR DATA COMMUNICATIONS BUS AND RELATED METHODS Out Of Plan
US PAT 6249216 , U.S. PTO Utility , June 19, 2001

Construed by

12. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719097 , M.D.Fla. , Jan. 17, 2007

Reconsideration Denied by

13. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719099 , M.D.Fla. , Mar. 29, 2007

14. VEHICLE SECURITY SYSTEM INCLUDING ADAPTOR FOR DATA COMMUNICATIONS BUS AND RELATED METHODS Out Of Plan
US PAT 6249216 , U.S. PTO Utility , June 19, 2001

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Ruled Invalid in Part by

15. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719177 , M.D.Fla. , Apr. 04, 2007

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16. VEHICLE SECURITY SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS Out Of Pass
US PAT 6275147 , U.S. PTO Utility , Aug. 14, 2001

Construed by

17. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719097 , M.D.Fla. , Jan. 17, 2007

Reconsideration Denied by

18. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719099 , M.D.Fla. , Mar. 29, 2007

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19. VEHICLE SECURITY SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS Out Of Pass
US PAT 6275147 , U.S. PTO Utility , Aug. 14, 2001

Ruled Invalid in Part by

20. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719177 , M.D.Fla. , Apr. 04, 2007

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21. MULTI-VEHICLE COMPATIBLE CONTROL SYSTEM GENERATING COMMAND SIGNALS ON A DATA BUS AND ASSOCIATED METHODS Out Of Pass
US PAT 6346876 , U.S. PTO Utility , Feb. 12, 2002

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Construed by

22. Omega Patents, LLC v. Calamp Corp.
2015 WL 10568791 , M.D.Fla. , Feb. 20, 2015

AND Ruled Valid by

23. Omega Patents, LLC v. CalAmp Corp.
920 F.3d 1337 , Fed.Cir.(Fla.) , Apr. 08, 2019

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24. REMOTE VEHICLE FUNCTION CONTROL SYSTEM USING DATA BUS ADAPTOR CARTRIDGE AND ASSOCIATED METHODS Out of Class
US PAT 6529124 , U.S. PTO Utility , Mar. 04, 2003

Construed by

25. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719097 , M.D.Fla. , Jan. 17, 2007

Reconsideration Denied by

26. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719099 , M.D.Fla. , Mar. 29, 2007

---

27. REMOTE VEHICLE FUNCTION CONTROL SYSTEM USING DATA BUS ADAPTOR CARTRIDGE AND ASSOCIATED METHODS Out of Class
US PAT 6529124 , U.S. PTO Utility , Mar. 04, 2003

Ruled Valid and Infringed by

28. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719177 , M.D.Fla. , Apr. 04, 2007

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29. VEHICLE SECURITY SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS Out Of Plan
US PAT 6696927 , U.S. PTO Utility , Feb. 24, 2004

Construed by

30. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719097 , M.D.Fla. , Jan. 17, 2007

Reconsideration Denied by

31. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719099 , M.D.Fla. , Mar. 29, 2007

32. MULTI-VEHICLE COMPATIBLE CONTROL SYSTEM FOR READING FROM A DATA BUS AND ASSOCIATED METHODS Out Of Plan
US PAT 6756885 , U.S. PTO Utility , June 29, 2004

Construed by

33. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719097 , M.D.Fla. , Jan. 17, 2007

Reconsideration Denied by

34. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719099 , M.D.Fla. , Mar. 29, 2007

35. MULTI-VEHICLE COMPATIBLE CONTROL SYSTEM FOR READING FROM A DATA BUS AND ASSOCIATED METHODS Out Of Plan
US PAT 6756885 , U.S. PTO Utility , June 29, 2004

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Ruled Infringed in Part by

36. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719098 , M.D.Fla. , Jan. 25, 2007

AND Ruled Valid and Infringed by

37. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719177 , M.D.Fla. , Apr. 04, 2007

AND Construed by

38. Omega Patents, LLC v. Calamp Corp.
2015 WL 10568791 , M.D.Fla. , Feb. 20, 2015

AND Ruled Valid by

39. Omega Patents, LLC v. CalAmp Corp.
920 F.3d 1337 , Fed.Cir.(Fla.) , Apr. 08, 2019

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40. REMOTE START SYSTEM INCLUDING AN ENGINE SPEED DATA BUS READER AND RELATED METHODS Out Of Plan
US PAT 6756886 , U.S. PTO Utility , June 29, 2004

Construed by

41. Omega Patents LLC v. Lear Corporation
2011 WL 13176638 , M.D.Fla. , May 31, 2011

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42. VEHICLE ALERT SYSTEM FOR VEHICLE HAVING A DATA BUS AND ASSOCIATED METHODS Out Of Plan
US PAT 6771167 , U.S. PTO Utility , Aug. 03, 2004

Construed by

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43. Omega Patents LLC v. Lear Corporation
2011 WL 13176638 , M.D.Fla. , May 31, 2011

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44. REMOTE START SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS Out Of Pat.
US PAT 6812829 , U.S. PTO Utility , Nov. 02, 2004

Construed by

45. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719097 , M.D.Fla. , Jan. 17, 2007

Reconsideration Denied by

46. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719099 , M.D.Fla. , Mar. 29, 2007

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47. REMOTE START SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS Out Of Pat.
US PAT 6812829 , U.S. PTO Utility , Nov. 02, 2004

Ruled Valid and Infringed by

48. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719177 , M.D.Fla. , Apr. 04, 2007

AND Construed by

49. Omega Patents LLC v. Lear Corporation
2011 WL 13176638 , M.D.Fla. , May 31, 2011

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50. REMOTE START CONTROL SYSTEM FOR STARTING AN ENGINE OF A VEHICLE BASED ON SELECTED VEHICLE DATA CARRIED BY A DATA COMMUNICATIONS BUS AND ASSOCIATED METHODS Out Of Plan
US PAT 7031826 , U.S. PTO Utility , Apr. 18, 2006

Construed by

51. Omega Patents LLC v. Lear Corporation
2011 WL 13176638 , M.D.Fla. , May 31, 2011

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52. REMOTE START SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS Out Of Plan
US PAT 7205679 , U.S. PTO Utility , Apr. 17, 2007

Construed by

53. Omega Patents LLC v. Lear Corporation
2011 WL 13176638 , M.D.Fla. , May 31, 2011

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54. REMOTE START SYSTEM FOR A VEHICLE HAVING A DATA COMMUNICATIONS BUS AND RELATED METHODS Out Of Plan
US PAT 7224083 , U.S. PTO Utility , May 29, 2007

Construed by

55. Omega Patents LLC v. Lear Corporation
2011 WL 13176638 , M.D.Fla. , May 31, 2011

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56. SPEED EXCEEDED NOTIFICATION DEVICE FOR VEHICLE HAVING A DATA BUS AND ASSOCIATED METHODS Out Of Plan
US PAT 7671727 , U.S. PTO Utility , Mar. 02, 2010

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Construed by

57. Omega Patents, LLC v. Caiamp Corp.
2015 WL 10568791 , M.D.Fla. , Feb. 20, 2015

AND Ruled Valid and Infringed by

58. Omega Patents, LLC v. CaiAmp Corp.
920 F.3d 1337 , Fed.Cir.(Fla.) , Apr. 08, 2019

59. VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS Out of Date
US PAT 8032278 , U.S. PTO Utility , Oct. 04, 2011

Construed by

60. Omega Patents, LLC v. Caiamp Corp.
2015 WL 10568791 , M.D.Fla. , Feb. 20, 2015

AND Ruled Patentable by

61. EX PARTE OMEGA PATENTS, L.L.C. PATENT OWNER AND APPELLANT
2018 WL 6120035 , Patent Tr. & App. Bd. , Nov. 13, 2018

AND Ruled Valid by

62. Omega Patents, LLC v. CaiAmp Corp.
920 F.3d 1337 , Fed.Cir.(Fla.) , Apr. 08, 2019

Related References (19)

63. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2006 WL 8439346 , M.D.Fla. , Apr. 27, 2006

Report and Recommendation Adopted by

64. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2006 WL 8439348 , M.D.Fla. , May 15, 2006

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65. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2006 WL 2038534 , M.D.Fla. , July 19, 2006

66. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2006 WL 6217587 , M.D.Fla. , Nov. 29, 2006

67. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2006 WL 3544823 , M.D.Fla. , Dec. 08, 2006

68. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719178 , M.D.Fla. , Jan. 24, 2007

69. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 9719255 , M.D.Fla. , Feb. 01, 2007

70. Omega Patents, LLC v. Fortin Auto Radio, Inc.
2007 WL 4373110 , M.D.Fla. , Feb. 05, 2007

71. Omega Patents, LLC v. Fortin Auto Radio, Inc.
227 Fed.Appx. 901 , Fed.Cir. , June 05, 2007

72. Omega Patents, LLC v. Lear Corp.
2007 WL 4247674 , M.D.Fla. , Nov. 30, 2007

73. Omega Patents, LLC v. Lear Corp.
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74. Omega Patents, LLC v. Lear Corp.
2008 WL 821886 , M.D.Fla. , Mar. 20, 2008

75. Omega Patents, LLC v. Lear Corp.
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76. Omega Patents, LLC v. Calamp Corp.
2015 WL 12830496 , M.D.Fla. , Dec. 23, 2015

77. Omega Patents, LLC v. Calamp Corp.
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78. Omega Patents, LLC v. Calamp Corp.
2016 WL 7229888 , M.D.Fla. , Jan. 05, 2016

79. Omega Patents, LLC v. Calamp Corp.
2016 WL 7240311 , M.D.Fla. , Jan. 13, 2016

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81. Omega Patents, LLC v. CalAmp Corp.
2017 WL 4990654 , M.D.Fla. , Sep. 22, 2017

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Search > Patent Search > Litigation involving patent 8,032,278

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Items 1 to 4 of 4

	Patent	Class	Subclass	Description	Court All	Docket Number	Filed	Date Retrieved
☑	8,032,278	701	36	Omega Patents, Llc V. Enfora, Inc.	US-DIS-GAND	1:13cv646	02/28/2013	11/28/2018
☑	8,032,278	701	36	Omega Patents, Llc V. Enfora, Inc.	US-DIS-GAND	1:17cv2769	07/21/2017	01/31/2019
☑	8,032,278	701	36	Omega Patents, Llc V. Calamp Corp.	US-DIS-FLMD	8:13cv1950	12/20/2013	06/12/2019
☑	8,032,278	701	36	Omega Patents, LLC v. CalAmp Corp.	US-APP-CAFED	18-1309	12/19/2017	06/13/2019

Items 1 to 4 of 4

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US District Court Civil Docket

U.S. District - Georgia Northern
(Atlanta)

1:13cv646

Omega Patents, Llc v. Enfora, Inc.

This case was retrieved from the court on Thursday, June 13, 2019

Date Filed:	**02/28/2013**		
Assigned To:	**Judge Thomas W. Thrash, Jr**	Class Code:	**CLOSED**
Referred To:		Closed:	**06/20/2013**
Nature of suit:	**Patent (830)**	Statute:	**28:1338**
Cause:	**Patent Infringement**	Jury Demand:	**Plaintiff**
Lead Docket:	**None**	Demand Amount:	**$0**
Other Docket:	**None**	NOS Description:	**Patent**
Jurisdiction:	**Federal Question**		

Litigants	Attorneys
Omega Patents, Llc a Georgia limited liability company Plaintiff	Cynthia Jeannette Lee LEAD ATTORNEY;ATTORNEY TO BE NOTICED Thomas Horstemeyer, LLP Suite 1600e 3200 Windy Hill Rd. Atlanta , GA 30339 USA 770-933-9500 Email:Cynthia.Lee@thomashorstemeyer.Com Dan Robert Gresham LEAD ATTORNEY;ATTORNEY TO BE NOTICED Thomas Horstemeyer, LLP Suite 1500 400 Interstate North Parkway, Se Atlanta , GA 30339 USA 770-933-9500 Email:Dan.Gresham@thomashorstemeyer.Com
Enfora, Inc. a Delaware Corporation Defendant	
Novatel Wireless, Inc. Defendant	

Date	#	Proceeding Text	Source
02/28/2013	1		

		COMPLAINT with Jury Demand, filed by Omega Patents, LLC. Consent form to proceed before U.S. Magistrate and pretrial instructions provided. (Filing fee $ 350.00 receipt number 113E-4436675.) (Attachments: # 1 Exhibit A - '876, # 2 Exhibit B - '727, # 3 Exhibit C -'278, # 4 Exhibit D - '886, # 5 Civil Cover Sheet)(eop) Please visit our website at http://www.gand.uscourts.gov to obtain Pretrial Instructions. (Entered: 02/28/2013)
02/28/2013	2	Electronic Summons Issued as to Enfora, Inc.. (eop) (Entered: 02/28/2013)
02/28/2013	3	Certificate of Interested Persons by Omega Patents, LLC. (eop) (Entered: 02/28/2013)
02/28/2013	4	AO Form 120 forwarded to Commissioner. (eop) (Entered: 02/28/2013)
03/01/2013		Clerks Notation re 3 Certificate of Interested Persons, OK per TWT. (ss) (Entered: 03/01/2013)
03/07/2013	5	First AMENDED COMPLAINT against Enfora, Inc., Novatel Wireless, Inc.with Jury Demand, filed by Omega Patents, LLC. (Attachments: # 1 Exhibit A - '876 Patent, # 2 Exhibit B - '727 Patent, # 3 Exhibit C - '278 Patent, # 4 Exhibit D - '886 Patent, # 5 Summons Novatel Wireless, Inc.) (Gresham, Dan) Please visit our website at http://www.gand.uscourts.gov to obtain Pretrial Instructions. (Entered: 03/07/2013)
03/07/2013	6	Supplemental Certificate of Interested Persons and Corporate Disclosure Statement by Omega Patents, LLC identifying Other Affiliate Kenneth Flick for Omega Patents, LLC. (Gresham, Dan) (Entered: 03/07/2013)
06/19/2013	7	NOTICE of Voluntary Dismissal Without Prejudice filed by Omega Patents, LLC (Gresham, Dan) (Entered: 06/19/2013)
06/20/2013		Clerk's Entry of Dismissal APPROVING 7 Notice of Voluntary Dismissal pursuant to Fed.R.Civ.P.41(a)(1)(i) (dr) (Entered: 06/20/2013)
06/20/2013		Civil Case Terminated. (dr) (Entered: 06/20/2013)
06/20/2013	8	AO Form 120 forwarded to Commissioner. (dr) (Entered: 06/20/2013)

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STAYED

US District Court Civil Docket

U.S. District - Georgia Northern
(Atlanta)

1:17cv2769

Omega Patents, Llc v. Enfora, Inc.

This case was retrieved from the court on Thursday, June 13, 2019

Date Filed:	**07/21/2017**		
Assigned To:	**Judge Thomas W. Thrash, Jr**	Class Code:	**CLOSED**
Referred To:		Closed:	**01/31/2018**
Nature of suit:	**Patent (830)**	Statute:	**28:1338**
Cause:	**Patent Infringement**	Jury Demand:	**Both**
Lead Docket:	**None**	Demand Amount:	**$0**
Other Docket:	**None**	NOS Description:	**Patent**
Jurisdiction:	**Federal Question**		

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Fax: 404-962-6300
Email: Ryan.Kurtz@millermartin.Com

Date	#	Proceeding Text	Source
07/21/2017	1	COMPLAINT with Jury Demand, filed by Omega Patents, LLC.; and Summon(s) issued. (Filing fee $ 400.00 receipt number 113E-7279878.) (Attachments: # 1 Ex -A -Patent No. 6,346,876, # 2 Ex -B -Patent No. 6,756,885, # 3 Ex -C -Patent No. 8,032,278, # 4 Civil Cover Sheet)(eop) Please visit our website at http://www.gand.uscourts.gov/commonly-used-forms to obtain Pretrial Instructions which includes the Consent To Proceed Before U.S. Magistrate form. (Entered: 07/25/2017)	
07/21/2017	2	Electronic Summons Issued as to Enfora, Inc.. (eop) (Entered: 07/25/2017)	
07/21/2017	3	Certificate of Interested Persons by Omega Patents, LLC. (eop) (Entered: 07/25/2017)	
07/25/2017	4	AO Form 120 forwarded to Commissioner. (eop) (Entered: 07/25/2017)	
07/26/2017		Clerks Notation re 3 Certificate of Interested Persons, OK per TWT. (ss) (Entered: 07/26/2017)	

07/26/2017	5	Return of Service Executed by Omega Patents, LLC. Enfora, Inc. served on 7/26/2017, answer due 8/16/2017. (Lee, Cynthia) (Entered: 07/26/2017)
07/27/2017	6	APPLICATION for Admission of Ryan T. Santurri Pro Hac Vice (Application fee $ 150, receipt number 113E-7290404)by Omega Patents, LLC. (Lee, Cynthia) (Entered: 07/27/2017)
07/27/2017	7	APPLICATION for Admission of Brian R. Gilchrist Pro Hac Vice (Application fee $ 150, receipt number 113E-7291240)by Omega Patents, LLC. (Lee, Cynthia) (Entered: 07/27/2017)
07/31/2017	8	Application for Refund of Fees paid online through Pay.gov for receipt number 113E-7290387. (Lee, Cynthia) (Entered: 07/31/2017)
08/01/2017		Clerks Approval re 8 Application for Refund of Fees paid online. (mec) (Entered: 08/01/2017)
08/04/2017		Refund in the amount of $150.00 has been processed, effective 08/04/2017 in response to Clerks Action on Application for Refund of Fees paid online. (kns) (Entered: 08/04/2017)
08/15/2017	9	Consent MOTION for Extension of Time to File Answer by Enfora, Inc.. (Attachments: # 1 Text of Proposed Order)(Kurtz, Ryan) (Entered: 08/15/2017)
08/16/2017	10	ORDER granting 9 Motion for Extension of Time to Answer, Enfora, Inc. Answer due 10/2/2017. Signed by Judge Thomas W. Thrash, Jr on 8/16/2017. (ss) (Entered: 08/16/2017)
08/16/2017	11	APPLICATION for Admission of Jo Dale Carothers Pro Hac Vice (Application fee $ 150, receipt number 113E-7330621)by Enfora, Inc.. (Kurtz, Ryan) (Entered: 08/16/2017)
08/16/2017	12	APPLICATION for Admission of Eric Anthony Caligiuri Pro Hac Vice (Application fee $ 150, receipt number 113E-7330631)by Enfora, Inc.. (Kurtz, Ryan) (Entered: 08/16/2017)
08/17/2017		APPROVAL by Clerks Office re: 6 APPLICATION for Admission of Ryan T. Santurri Pro Hac Vice (Application fee $ 150, receipt number 113E-7290404). Attorney Ryan T. Santurri added appearing on behalf of Omega Patents, LLC (pmb) (Entered: 08/17/2017)
08/17/2017		APPROVAL by Clerks Office re: 7 APPLICATION for Admission of Brian R. Gilchrist Pro Hac Vice (Application fee $ 150, receipt number 113E-7291240). Attorney Brian R. Gilchrist added appearing on behalf of Omega Patents, LLC (pmb) (Entered: 08/17/2017)
08/18/2017	13	ORDER granting Brian R. Gilchrist's 7 Application for Admission Pro Hac Vice. Signed by Judge Thomas W. Thrash, Jr on 8/18/17. (jkl) (Entered: 08/18/2017)
08/18/2017	14	ORDER granting Ryan T. Santurri's 6 Application for Admission Pro Hac Vice. Signed by Judge Thomas W. Thrash, Jr on 8/18/17. (jkl) (Entered: 08/18/2017)
08/31/2017		APPROVAL by Clerks Office re: 11 APPLICATION for Admission of Jo Dale Carothers Pro Hac Vice (Application fee $ 150, receipt number 113E-7330621). Attorney Jo Dale Carothers added appearing on behalf of Enfora, Inc. (pmb) (Entered: 08/31/2017)
08/31/2017		APPROVAL by Clerks Office re: 12 APPLICATION for Admission of Eric Anthony Caligiuri Pro Hac Vice (Application fee $ 150, receipt number 113E-7330631). Attorney Eric Anthony Caligiuri added appearing on behalf of Enfora, Inc. (pmb) (Entered: 08/31/2017)
09/01/2017	15	ORDER granting Eric Anthony Caligiuri's 12 Application for Admission Pro Hac Vice. Signed by Judge Thomas W. Thrash, Jr on 9/1/17. (jkl) (Entered: 09/01/2017)
09/01/2017	16	

		ORDER granting Jo Dale Carothers's 11 Application for Admission Pro Hac Vice. Signed by Judge Thomas W. Thrash, Jr on 9/1/17. (jkl) (Entered: 09/01/2017)
09/01/2017		Clerk's Certificate of Mailing to Eric Anthony Caligiuri re 15 Order on Application for Admission PHV and Jo Dale Carothers re 16 Order on Application for Admission PHV. (jkl) (Entered: 09/01/2017)
10/02/2017	17	MOTION to Dismiss For Improper Venue, or in the Alternative, MOTION to Transfer to Southern District of California with Brief In Support by Enfora, Inc. (Attachments: # 1 Brief)(Kurtz, Ryan) . Added MOTION to Transfer Case on 10/3/2017 (jkl). (Entered: 10/02/2017)
10/02/2017	18	SEALED NOTICE Of Filing Memorandum of Law in Support of 17 MOTION to Dismiss For Improper Venue, or in the Alternative, MOTION to Transfer to Southern District of California by Enfora, Inc. (Kurtz, Ryan) Text modified on 10/3/2017 (jkl). (Entered: 10/02/2017)
10/02/2017	19	MOTION for Leave to File Matters Under Seal re: 18 Notice of Filing with Brief In Support by Enfora, Inc.. (Attachments: # 1 Text of Proposed Order)(Kurtz, Ryan) (Entered: 10/02/2017)
10/02/2017	20	Certificate of Interested Persons and Corporate Disclosure Statement by Enfora, Inc. identifying Corporate Parent Novatel Wireless, Inc., Corporate Parent Inseego Corp. for Enfora, Inc.. (Kurtz, Ryan) (Entered: 10/02/2017)
10/03/2017	21	ORDER granting 19 Motion for Leave to File Matters Under Seal. Signed by Judge Thomas W. Thrash, Jr on 10/3/17. (jkl) (Entered: 10/03/2017)
10/03/2017		Clerks Notation re 20 Certificate of Interested Persons, OK, per TWT. (ss) (Entered: 10/03/2017)
10/16/2017	22	AMENDED COMPLAINT and Exhibits (Redacted) against Enfora, Inc.with Jury Demand, filed by Omega Patents, LLC.(Santurri, Ryan) Please visit our website at http://www.gand.uscourts.gov/commonly-used-forms to obtain Pretrial Instructions which includes the Consent To Proceed Before U.S. Magistrate form. (Entered: 10/16/2017)
10/16/2017	23	SEALED NOTICE Of Filing Amended Complaint by Omega Patents, LLC re 1 Complaint, (Santurri, Ryan) Modified on 10/17/2017 (btql). (Entered: 10/16/2017)
10/16/2017	24	MOTION for Leave to File Matters Under Seal re: 23 Notice of Filing Amended Complaint and Exhibits by Omega Patents, LLC. (Attachments: # 1 Text of Proposed Order)(Santurri, Ryan) (Entered: 10/16/2017)
10/17/2017	25	ORDER GRANTING 24 Motion for Leave to File Matters Under Seal. Signed by Judge Thomas W. Thrash, Jr on 10/17/2017. (btql) (Entered: 10/17/2017)
10/23/2017		Submission of 17 MOTION to Dismiss For Improper Venue, or in the Alternative, MOTION to Transfer to Southern District of California to District Judge Thomas W. Thrash. (jkl) (Entered: 10/23/2017)
10/30/2017	26	MOTION to Dismiss , MOTION to Change Venue with Brief In Support by Enfora, Inc.. (Attachments: # 1 Brief)(Kurtz, Ryan) (Entered: 10/30/2017)
10/30/2017	27	MOTION for Leave to File Matters Under Seal re: 28 Notice of Filing with Brief In Support by Enfora, Inc. (Attachments: # 1 Text of Proposed Order)(Kurtz, Ryan) Modified on 10/31/2017 to link to proper document (jkl). (Entered: 10/30/2017)
10/30/2017	28	SEALED MEMORANDUM OF LAW in support of 26 MOTION to Dismiss/MOTION to Change Venue by Enfora, Inc. (Kurtz, Ryan) Modified on 11/3/2017 (jkl). (Entered: 10/30/2017)
10/31/2017	29	

		Consent MOTION to Stay Certain Pre-Discovery Deadlines by Enfora, Inc.. (Attachments: # 1 Text of Proposed Order)(Kurtz, Ryan) (Entered: 10/31/2017)
11/03/2017	31	ORDER granting 27 Motion for Leave to File Matters Under Seal. Signed by Judge Thomas W. Thrash, Jr on 11/2/17. (jkl) (Entered: 11/03/2017)
11/03/2017	32	ORDER GRANTING 29 Motion to Stay Certain Pre-Discovery Deadlines until 30 days after Defendant files its Answer to Plaintiffs FAC. Signed by Judge Thomas W. Thrash, Jr. on 11/2/17. (jkl) (Entered: 11/03/2017)
11/13/2017	33	RESPONSE in Opposition re 26 MOTION to Dismiss MOTION to Change Venue filed by Omega Patents, LLC. (Santurri, Ryan) (Entered: 11/13/2017)
11/13/2017	34	MOTION to Stay Pending Reexamination with Brief In Support by Enfora, Inc.. (Attachments: # 1 Brief, # 2 Exhibit A - Declaration of Jo Dale Carothers, # 3 Exhibit 1 t0 Dec of Jo Dale Carothers, # 4 Exhibit 2 to Dec of Jo Dale Carothers, # 5 Exhibit 3 to Dec of Jo Dale Carothers, # 6 Exhibit 4 to Dec of Jo Dale Carothers, # 7 Exhibit 5 part 1 to Dec of Jo Dale Carothers, # 8 Exhibit 5 part 2 to Dec of Jo Dale Carothers)(Kurtz, Ryan) (Entered: 11/13/2017)
11/27/2017	35	RESPONSE in Opposition re 34 MOTION to Stay Pending Reexamination filed by Omega Patents, LLC. (Santurri, Ryan) (Entered: 11/27/2017)
11/27/2017	36	REPLY to Response to Motion re 26 MOTION to Dismiss MOTION to Change Venue filed by Enfora, Inc.. (Kurtz, Ryan) (Entered: 11/27/2017)
11/27/2017	37	Per Order: SEALED and Filed at 40 Reply Brief NOTICE Of Filing by Enfora, Inc. (Kurtz, Ryan) Modified on 11/29/2017 (jkl). (Entered: 11/27/2017)
11/27/2017	38	MOTION for Leave to File Matters Under Seal re: 37 Notice of Filing by Enfora, Inc.. (Attachments: # 1 Text of Proposed Order)(Kurtz, Ryan) (Entered: 11/27/2017)
11/28/2017	39	ORDER granting 38 Motion for Leave to File Matters Under Seal. Signed by Judge Thomas W. Thrash, Jr on 11/28/17. (jkl) (Entered: 11/29/2017)
11/28/2017	40	REPLY BRIEF re 26 MOTION to Dismiss/MOTION to Change Venue filed UNDER SEAL by Enfora, Inc. (jkl) (Entered: 11/29/2017)
11/29/2017		Submission of 26 MOTION to Dismiss/ MOTION to Change Venue to District Judge Thomas W. Thrash. (jkl) (Entered: 11/29/2017)
12/01/2017	41	ORDER DENYING AS MOOT 17 Motion to Dismiss/Motion to Transfer Case. Signed by Judge Thomas W. Thrash, Jr on 11/30/17. (jkl) (Entered: 12/01/2017)
12/11/2017	42	REPLY BRIEF re 34 MOTION to Stay Pending Reexamination filed by Enfora, Inc.. (Kurtz, Ryan) (Entered: 12/11/2017)
12/18/2017	43	ORDER denying 26 Motion to Dismiss or Transfer. Signed by Judge Thomas W. Thrash, Jr on 12/18/17. (jpa) (Entered: 12/19/2017)
12/21/2017	44	Consent MOTION for Extension of Time to File Answer First Amended Complaint by Enfora, Inc.. (Attachments: # 1 Text of Proposed Order) (Kurtz, Ryan) (Entered: 12/21/2017)
12/27/2017	45	ORDER GRANTING 44 Motion for Extension of Time to Answer, Enfora, Inc. Answer due 1/16/2018. Signed by Judge Thomas W. Thrash, Jr. on 12/27/17. (bnw) (Entered: 12/27/2017)
12/28/2017		Submission of 34 MOTION to Stay Pending Reexamination, submitted to District Judge Thomas W. Thrash. (bnw) (Entered: 12/28/2017)
01/12/2018	46	Unopposed MOTION for Leave to File Sur-Reply In Support of Its Motion for A Stay Pending Reexamination by Enfora, Inc.. (Attachments: # 1 Exhibit 1 - Proposed Sur-Reply, # 2 Exhibit 2 - Proposed Order)(Kurtz, Ryan) (Entered: 01/12/2018)
01/16/2018	47	

		ORDER granting 46 Motion for Leave to File Sur-Reply In Support of Its Motion for A Stay Pending Reexamination. Signed by Judge Thomas W. Thrash, Jr on 1/16/18. (jkl) (Entered: 01/16/2018)
01/16/2018	48	Defendant's SUR-REPLY in Support of 34 MOTION to Stay Pending Reexamination filed by Enfora, Inc. (jkl) (Entered: 01/16/2018)
01/16/2018	49	ANSWER to 22 Amended Complaint by Enfora, Inc.. Discovery ends on 10/15/2018.(Kurtz, Ryan) Please visit our website at http://www.gand.uscourts.gov to obtain Pretrial Instructions. (Entered: 01/16/2018)
01/16/2018	50	SEALED ANSWER to Amended Complaint by Enfora, Inc. (Attachments: # 1 Exhibit A)(Kurtz, Ryan) Modified on 1/18/2018 (jkl). (Entered: 01/16/2018)
01/16/2018	51	MOTION for Leave to File Matters Under Seal re: 50 Notice of Filing with Brief In Support by Enfora, Inc.. (Attachments: # 1 Text of Proposed Order)(Kurtz, Ryan) (Entered: 01/16/2018)
01/18/2018	52	ORDER GRANTING 51 Motion for Leave to File Matters Under Seal and DIRECTING Clerk to file Defendant Enfora, Inc.s Answer and Defenses to Omega Patents, LLCs First Amended Complaint for Patent Infringement under seal. Signed by Judge Thomas W. Thrash, Jr on 1/18/18. (jkl) (Entered: 01/18/2018)
01/31/2018	53	ORDER GRANTING 34 Motion to Stay Pending Reexamination. The Clerk is directed to close the case administratively. The Plaintiff may move to reopen the case and lift the stay after 6 months. Signed by Judge Thomas W. Thrash, Jr on 1/31/18. (jkl) (Entered: 01/31/2018)
01/31/2018		Civil Case closed administratively. (jkl) (Entered: 01/31/2018)
01/31/2018	54	AO Form 120 forwarded to Director of the U.S. Patent and Trademark Office. (jkl) (Entered: 01/31/2018)

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This case was appealed to
Federal Circuit: 18-1309

US District Court Civil Docket

U.S. District - Florida Middle
(Orlando)

6:13cv1950

Omega Patents, Llc v. Calamp Corp.

This case was retrieved from the court on Thursday, June 13, 2019

Date Filed: **12/20/2013**
Assigned To: **Judge Paul G. Byron**
Referred To: **Magistrate Judge Daniel C. Irick**
Nature of suit: **Patent (830)**
Cause: **Patent Infringement**
Lead Docket: **None**
Other Docket: **USCAFC, 18-1309-FS**
Jurisdiction: **Federal Question**

Class Code: **CLOSED**
Closed: **05/13/2019**
Statute: **35:271**
Jury Demand: **Both**
Demand Amount: **$0**
NOS Description: **Patent**

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Date	#	Proceeding Text	Source
12/20/2013	1	COMPLAINT Injunctive Relief Requested against Calamp Corp. with Jury Demand (Filing fee $ 400 receipt number Orl-030433) filed by Omega Patents, LLC. (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit A-C, # 3 Exhibit D-F)(JEV) (Entered: 12/20/2013)	
12/20/2013	2	SUMMONS issued as to Calamp Corp. (JEV) (Entered: 12/20/2013)	
12/20/2013	3	Patent Report sent to Alexandria, VA. (Attachments: # 1 Complaint, # 2 Exhibit A-C, # 3 Exhibit D-F) (JEV) (Entered: 12/20/2013)	
12/30/2013	4	RELATED CASE ORDER AND NOTICE of designation under Local Rule 3.05 - track 2. Notice of pendency of other actions due by 1/13/2014. Signed by Judge Gregory A. Presnell on 12/30/2013. Copies mailed.(LAM) (Entered: 12/30/2013)	
12/30/2013	5	INTERESTED PERSONS ORDER. Certificate of interested persons and corporate disclosure statement due by 1/13/2014. Signed by Judge Gregory A. Presnell on 12/30/2013. Copies mailed.(LAM) (Entered: 12/30/2013)	
01/14/2014	6	NOTICE of pendency of related cases re 4 Related case order and track 2 notice per Local Rule 1.04(d) by Omega Patents, LLC. Related case(s): Yes. (Santurri, Ryan) Modified on 1/15/2014 (JEV). (Entered: 01/14/2014)	
01/14/2014	7	CERTIFICATE of interested persons and corporate disclosure statement re 5 Interested persons order by Omega Patents, LLC. (Santurri, Ryan) (Entered: 01/14/2014)	
01/15/2014	8	NOTICE of Appearance by Christopher S. Carver on behalf of Calamp Corp. (Carver, Christopher) (Entered: 01/15/2014)	
01/15/2014	9	NOTICE of pendency of related cases re 4 Related Case Order per Local Rule 1.04(d) by Calamp Corp. Related case(s): yes (Carver, Christopher) Modified on 1/16/2014 (JET). (Entered: 01/15/2014)	
01/15/2014	10	ANSWER and affirmative defenses to 1 Complaint with Jury Demand , COUNTERCLAIM against Omega Patents, LLC by Calamp Corp. (Carver, Christopher) Modified on 1/16/2014 (JET). (Entered: 01/15/2014)	
01/15/2014	11	CERTIFICATE of interested persons and corporate disclosure statement re 5 Interested persons order by Calamp Corp.. (Carver, Christopher) (Entered: 01/15/2014)	
01/15/2014	12	***PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Joel A. Kauth, appearing on behalf of Calamp Corp. (Filing fee $10 receipt number ORL31013) re 22 MOTION for Joel A. Kauth to appear pro hac vice by Calamp Corp. (JET) (JET). Modified on 3/4/2014 (IGC). (Entered: 01/15/2014)	
01/16/2014	13	NOTICE to counsel Joel A. Kauth of Local Rule 2.02 (signed by deputy clerk). (JET) (Entered: 01/16/2014)	
01/17/2014	14	NOTICE to counsel Christopher S. Carver of Local Rule 2.01 (signed by deputy clerk). (JET) (Entered: 01/17/2014)	
01/17/2014	15	NOTICE of Appearance by Peter A. Chiabotti on behalf of Calamp Corp. (Chiabotti, Peter) (Entered: 01/17/2014)	
01/29/2014	16	CERTIFICATE of compliance re: Service of documents 4, 5, 6and 7 on Defendant by Omega Patents, LLC. (Gilchrist, Brian) Modified on 1/30/2014 (JET). (Entered: 01/29/2014)	
02/05/2014	17	MOTION to Dismiss Counterclaims and Memorandum in Support by Omega Patents, LLC. (Santurri, Ryan) (Entered: 02/05/2014)	
02/06/2014	18	Unopposed MOTION to Appear Telephonically at Case Management Conference by Calamp Corp. (Carver, Christopher) Modified on 2/7/2014 (JET). (Entered: 02/06/2014)	
02/07/2014	19		

		ORDER granting 18 Motion to attend case management conference by phone. Signed by Judge Gregory A. Presnell on 2/7/2014. (TKW) (Entered: 02/07/2014)
02/24/2014	20	Amended COUNTERCLAIM -- CalAmp Corp.'s First Amended Counterclaim against Omega Patents, LLC filed by Calamp Corp..(Carver, Christopher) (Entered: 02/24/2014)
02/26/2014	21	ORDER denying as moot 17 motion to dismiss original counterclaim. Signed by Judge Gregory A. Presnell on 2/26/2014. (TKW) (Entered: 02/26/2014)
03/03/2014	22	MOTION for Joel A. Kauth to appear pro hac vice by Calamp Corp.. (Attachments: # 1 Exhibit A - (proposed) Order Granting Motion to Appeal Pro Hac Vice of Attorney Joel A. Kauth)(Carver, Christopher) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/03/2014)
03/03/2014	23	Written designation and consent to act by Christopher S. Carver on behalf of Calamp Corp.. Local Counsel: Christopher S. Carver. Non-Resident Counsel: Joel A. Kauth. (Carver, Christopher) (Entered: 03/03/2014)
03/04/2014	24	ENDORSED ORDER granting 22 motion to appear pro hac vice. Provided, all counsel shall register for and use the electronic filing system as adopted by the Court. After this Order, the Clerk will no longer send copies of docket entries by U.S. Mail to counsel in this case. Appearance and participation by more than one attorney at any hearing or trial is subject to the discretion of the presiding judge. Signed by Magistrate Judge David A. Baker on 3/4/2014. (Baker, David) (Entered: 03/04/2014)
03/11/2014	25	REPLY to 20 Counterclaim by Omega Patents, LLC.(Santurri, Ryan) (Entered: 03/11/2014)
03/11/2014	26	CASE MANAGEMENT REPORT. (Gilchrist, Brian) (Entered: 03/11/2014)
03/12/2014	27	ORDER of recusal. Signed by Judge Gregory A. Presnell on 3/12/2014. (TKW) (Entered: 03/12/2014)
03/12/2014	28	Case Reassigned to Judge Charlene Edwards Honeywell. New case number: 6:13-cv-1950-Orl-36DAB. Judge Gregory A. Presnell no longer assigned to the case. (IGC) (Entered: 03/12/2014)
03/14/2014	29	CASE MANAGEMENT AND SCHEDULING ORDER: Amended Pleadings due by 4/18/2014, Joinder of Parties due by 4/18/2014, Discovery due by 6/1/2015, Dispositive motions due by 7/1/2015, Pretrial statement due by 9/15/2015, Conduct mediation hearing by 6/16/2015. Lead counsel to coordinate dates. Claim Construction Hearing set for 11/24/2014 at 10:00 AM in Orlando Courtroom 5 B before Judge Charlene Edwards Honeywell. Final Pretrial Conference set for 10/20/2015 at 01:30 PM in Orlando Courtroom 5 B before Judge Charlene Edwards Honeywell, Jury Trial set for 11/2/2015 term in Orlando Courtroom 5 B before Judge Charlene Edwards Honeywell. Signed by Judge Charlene Edwards Honeywell on 3/14/2014. (NBL) (Entered: 03/14/2014)
03/14/2014	30	CASE REFERRED to Mediation. (MAA) (Entered: 03/19/2014)
03/27/2014	31	NOTICE of mediation conference/hearing to be held on 11/10/2014 at 9:30 a.m. before Emery H. Rosenbluth, Jr., Esq..(Santurri, Ryan) (Entered: 03/27/2014)
04/16/2014	32	***PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Eugene K. Chong, appearing on behalf of Calamp Corp. (Filing fee $10 receipt number ORL-33338). (MAA) (MAA). (Entered: 04/16/2014)
05/07/2014	33	MOTION for Eugene Chong to appear pro hac vice by Calamp Corp.. (Attachments: # 1 Exhibit A - (proposed) Order Granting Motion to Appear Pro Hace Vice)(Carver, Christopher) Motions referred to Magistrate Judge David A. Baker. (Entered: 05/07/2014)
05/07/2014	34	

		ENDORSED ORDER granting 33 motion to appear pro hac vice. Provided, all counsel shall register for and use the electronic filing system as adopted by the Court. After this Order, the Clerk will no longer send copies of docket entries by U.S. Mail to counsel in this case. Signed by Magistrate Judge David A. Baker on 5/7/2014. (Baker, David) (Entered: 05/07/2014)
07/02/2014	35	Case Reassigned to Judge Paul G. Byron. New case number: 6:13-cv-1950-Orl-40-DAB. Judge Charlene Edwards Honeywell no longer assigned to the case. (SC) (Entered: 07/02/2014)
07/03/2014	36	AMENDED NOTICE of Claim Construction Hearing: Claim Construction Hearing set for 11/24/2014 at 10:00 AM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. (NBL) copies e-mailed (Entered: 07/03/2014)
07/07/2014	37	AMENDED NOTICE of hearing: Final Pretrial Conference set for 10/20/2015 at 1:30 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, Jury Trial set for the November 2015 Trial term, term commencing 11/2/2015 at 09:00 AM in Orlando Courtroom 4 B before Judge Paul G. Byron. (NBL) copies e-mailed (Entered: 07/07/2014)
09/05/2014	38	MOTION for miscellaneous relief, specifically Motion for Claim Construction by Omega Patents, LLC. (Attachments: # 1 Exhibit A - U.S. Patent 6,346,876, # 2 Exhibit B - U.S. Patent 6,756,885, # 3 Exhibit C - U.S. Patent 5,719,551)(Santurri, Ryan) (Entered: 09/05/2014)
09/05/2014	39	DEFENDANT'S Opening Claim Construction Brief re 29 Case management and scheduling orderSet Hearings filed by Calamp Corp.. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D)(Kauth, Joel) Modified on 9/8/2014 (MAA). (Entered: 09/05/2014)
10/03/2014	40	RESPONSE in opposition to 39 Motion for Claim Construction filed by Omega Patents, LLC. (Santurri, Ryan) Modified on 10/6/2014 (LAK). (Entered: 10/03/2014)
10/03/2014	41	RESPONSIVE Claim Construction brief filed by Calamp Corp. (Kauth, Joel) Modified on 10/6/2014 (LAK). (Entered: 10/03/2014)
10/30/2014	42	ORDER re: Claim Construction Hearing. Signed by Judge Paul G. Byron on 10/30/2014. (RML) (Entered: 10/30/2014)
11/11/2014	43	MEDIATION report Hearing held on 111014. Hearing outcome: Impasse.. (Rosenbluth, Emery) (Entered: 11/11/2014)
11/17/2014	44	RESPONSE re 42 Order pdf -- Joint Pre-Hearing Statement filed by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 11/17/2014)
11/21/2014	45	NOTICE of Appearance by Carrie Ann Wozniak on behalf of Calamp Corp. (Wozniak, Carrie) (Entered: 11/21/2014)
11/24/2014	46	Minute Entry (CLAIM CONSTRUCTION HEARING) Proceedings held before Judge Paul G. Byron on 11/24/2014. Written Order to issue. Court Reporter: Koretta Stanford (NBL) (Entered: 11/24/2014)
11/28/2014	47	NOTICE RESCHEDULING FINAL PRETRIAL CONFERENCE (TIME ONLY): Final Pretrial Conference reset for 10/20/2015 at 3:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. *(previously noticed for 1:30 p.m.) (NBL) copies mailed/e-mailed (Entered: 11/28/2014)
12/12/2014	48	PLAINTIFF'S BRIEF/Memorandum of Law on Markman Issues re 46 Miscellaneous Hearing filed by Omega Patents, LLC. (Santurri, Ryan) Text modified on 12/15/2014 (RDO). (Entered: 12/12/2014)
12/12/2014	49	SUPPLEMENTAL BRIEF on Claim Construction re 46 Miscellaneous Hearing filed by Calamp Corp.. (Kauth, Joel) Text modified on 12/15/2014 (RDO). (Entered: 12/12/2014)
02/20/2015	50	ORDER ON CLAIM CONSTRUCTION re: 38, 39. Signed by Judge Paul G. Byron on 2/20/2015. (RML) (Entered: 02/20/2015)

03/23/2015	51	Joint MOTION for Extension of Time to Complete Discovery to June 15, 2015 by Calamp Corp.. (Kauth, Joel) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/23/2015)
03/24/2015	52	ENDORSED ORDER granting 51 Motion for Extension of Time to Complete Discovery. Provided, however, this extension in no way relieves the parties of other obligations and deadlines set forth in the Scheduling Order. Further, this extension shall not be the basis for seeking relief from that Order. Provided further, this extension assumes that there will be no disputes regarding discovery within this extended period, and the Court will not entertain any motions pertaining to such disputes. In particular, the parties are reminded that the deadline for filing of dispositive motions is NOT extended. Signed by Magistrate Judge David A. Baker on 3/24/2015. (Baker, David) (Entered: 03/24/2015)
03/25/2015		Set/reset scheduling order deadlines: Discovery due by 6/15/2015 (RDO) (Entered: 03/25/2015)
07/01/2015	53	Joint MOTION for leave to file Exhibits Under Seal in Connection with Daubert and Dispositive Motions by Omega Patents, LLC. (Santurri, Ryan) (Entered: 07/01/2015)
07/01/2015	54	MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition by Omega Patents, LLC. (Santurri, Ryan) (Entered: 07/01/2015)
07/01/2015	55	MOTION for miscellaneous relief, specifically Motion and Memorandum of Law to Exclude the Testimony of Defendant's Expert Eric Andrews by Omega Patents, LLC. (Santurri, Ryan) (Entered: 07/01/2015)
07/01/2015	56	MOTION for miscellaneous relief, specifically Motion and Memorandum to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. by Omega Patents, LLC. (Santurri, Ryan) (Entered: 07/01/2015)
07/01/2015	57	APPENDIX re 56 MOTION for miscellaneous relief, specifically Motion and Memorandum to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. , 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition, 55 MOTION for miscellaneous relief, specifically Motion and Memorandum of Law to Exclude the Testimony of Defendant's Expert Eric Andrews by Omega Patents, LLC. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Exhibit 6, # 7 Exhibit 7, # 8 Exhibit 8, # 9 Exhibit 9, # 10 Exhibit 10, # 11 Exhibit 11, # 12 Exhibit 12) (Santurri, Ryan) (Entered: 07/01/2015)
07/01/2015	58	(** STRICKEN per 77 Order **) MOTION for summary judgment of invalidity by Calamp Corp. (Kauth, Joel) Modified on 7/22/2015 (SWT). (Entered: 07/01/2015)
07/01/2015	59	DECLARATION of Eric Andrews by Calamp Corp. in support of 58 Motion for Summary Judgment. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Exhibit G, # 8 Exhibit H, # 9 Exhibit I, # 10 Exhibit J, # 11 Exhibit K, # 12 Exhibit L, # 13 Exhibit M, # 14 Exhibit N)(Kauth, Joel) Modified on 7/2/2015 (RDO). (Entered: 07/01/2015)
07/01/2015	60	(** STRICKEN per 77 Order **) MOTION for summary judgment of noninfringement by Calamp Corp. (Kauth, Joel) Modified on 7/22/2015 (SWT). (Entered: 07/02/2015)
07/02/2015	61	DECLARATION of Eric Andrews by Calamp Corp.in support of 60 Motion for Summary Judgment. (Attachments: # 1 Exhibit A)(Kauth, Joel) Modified on 7/2/2015 (RDO). (Entered: 07/02/2015)
07/02/2015	62	ENDORSED ORDER granting 53 Joint Motion for Leave to File Exhibits Under Seal in Connection with Daubert and Dispositive Motions. Signed by Judge Paul G. Byron on 7/2/2015. (MMW) (Entered: 07/02/2015)

07/02/2015	63	APPENDIX re 61 Declaration of Eric Andrews in Support of Motion for Summary Judgment of Noninfringement by Calamp Corp.. (Attachments: # 1 Exhibit B-1, # 2 Exhibit B-2, # 3 Exhibit C-1, # 4 Exhibit C-2, # 5 Exhibit D-1, # 6 Exhibit D-2, # 7 Exhibit E-1, # 8 Exhibit E-2, # 9 Exhibit F-1, # 10 Exhibit F-2, # 11 Exhibit F-3)(Kauth, Joel) (Entered: 07/02/2015)
07/02/2015	64	MOTION to Strike 60 MOTION for summary judgment of noninfringement in Exceedence of CMSO Limitation on Motions for Summary Judgment by Omega Patents, LLC. (Santurri, Ryan) Motions referred to Magistrate Judge David A. Baker. (Entered: 07/02/2015)
07/06/2015	65	SUMMARY JUDGMENT NOTICE re 58 MOTION for summary judgment of invalidity, 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition, 60 MOTION for summary judgment of noninfringement. Unless the Court notifies the parties otherwise, there will not be a hearing on this motion. (NBL) copies e-mailed (Entered: 07/06/2015)
07/06/2015		Sealed Document S-66. (MAA) (Entered: 07/08/2015)
07/08/2015	67	Unopposed MOTION for Extension of Time to File Response to Document 60 Pending Ruling on Plaintiff's Motion to Strike by Omega Patents, LLC. (Santurri, Ryan) (Entered: 07/08/2015)
07/09/2015	68	ENDORSED ORDER granting 67 Motion for Extension of Time to File. Signed by Judge Paul G. Byron on 7/9/2015. (MMW) (Entered: 07/09/2015)
07/09/2015	69	AMENDED CASE MANAGEMENT AND SCHEDULING ORDER. Signed by Judge Paul G. Byron on 7/9/2015. (MMW) (Entered: 07/09/2015)
07/10/2015		Set/reset scheduling order deadlines: Pretrial statement due by 9/22/2015, All other motions due by 9/29/2015, Final Pretrial Conference set for 10/20/2015 at 03:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, Jury Trial set for trial term beginning on 11/2/2015 at 09:00 AM in Orlando Courtroom 4 B before Judge Paul G. Byron. (RDO) (Entered: 07/10/2015)
07/20/2015	70	RESPONSE in Opposition re 58 MOTION for summary judgment of invalidity filed by Omega Patents, LLC. (Attachments: # 1 Exhibit 13) (Santurri, Ryan) (Entered: 07/20/2015)
07/20/2015	71	STIPULATION of Undisputed Facts; re 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition by Omega Patents, LLC. (Santurri, Ryan) Modified on 7/21/2015 (SWT). (Entered: 07/20/2015)
07/20/2015	72	RESPONSE in Opposition re 64 MOTION to Strike 60 MOTION for summary judgment of noninfringement in Exceedence of CMSO Limitation on Motions for Summary Judgment filed by Calamp Corp.. (Kauth, Joel) (Entered: 07/20/2015)
07/20/2015	73	Joint STIPULATION of Agreed Material Facts; re 58 MOTION for summary judgment of invalidity by Calamp Corp. (Kauth, Joel) Modified on 7/21/2015 (SWT). (Entered: 07/20/2015)
07/20/2015	74	RESPONSE in Opposition re 56 MOTION for miscellaneous relief, specifically Motion and Memorandum to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. filed by Calamp Corp.. (Kauth, Joel) (Entered: 07/20/2015)
07/20/2015	75	RESPONSE in Opposition re 55 MOTION for miscellaneous relief, specifically Motion and Memorandum of Law to Exclude the Testimony of Defendant's Expert Eric Andrews filed by Calamp Corp.. (Kauth, Joel) (Entered: 07/20/2015)
07/20/2015	76	RESPONSE in Opposition re 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition filed by

		Calamp Corp.. (Attachments: # 1 Appendix, # 2 Exhibit 1, # 3 Exhibit 2, # 4 Exhibit 3, # 5 Exhibit 4, # 6 Exhibit 5, # 7 Exhibit 6, # 8 Exhibit 7, # 9 Exhibit 8, # 10 Exhibit 9, # 11 Exhibit 10, # 12 Exhibit 11, # 13 Exhibit 12)(Kauth, Joel) (Entered: 07/21/2015)
07/21/2015	77	ORDER granting in part 64 Motion to strike 58 MOTION for summary judgment and 60 MOTION for summary judgment. Defendant shall have until Monday, July 27, 2015, in which to file a single compliant motion for summary judgment. Signed by Magistrate Judge David A. Baker on 7/21/2015. (LAK) (Entered: 07/21/2015)
07/27/2015	78	MOTION for summary judgment and memorandum of law regarding invalidity and noninfringement by Calamp Corp.. (Kauth, Joel) (Entered: 07/27/2015)
08/03/2015	79	REPLY to Response to Motion re 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition filed by Omega Patents, LLC. (Santurri, Ryan) (Entered: 08/03/2015)
08/04/2015	80	SUMMARY JUDGMENT NOTICE re 78 MOTION for summary judgment and memorandum of law regarding invalidity and noninfringement. Unless the Court notifies the parties otherwise, there will not be a hearing on this motion. (NBL) copies e-mailed (Entered: 08/04/2015)
08/06/2015	81	RESPONSE in Opposition re 78 MOTION for summary judgment and memorandum of law regarding invalidity and noninfringement filed by Omega Patents, LLC. (Attachments: # 1 Exhibit 13)(Santurri, Ryan) (Entered: 08/06/2015)
08/06/2015	82	REQUEST for oral argument re 56 MOTION for miscellaneous relief, specifically Motion and Memorandum to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. , 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition, 55 MOTION for miscellaneous relief, specifically Motion and Memorandum of Law to Exclude the Testimony of Defendant's Expert Eric Andrews by Omega Patents, LLC. (Santurri, Ryan) (Entered: 08/06/2015)
08/24/2015	83	REPLY in support of 78 MOTION for summary judgment and memorandum of law regarding invalidity and noninfringement filed by Calamp Corp.. (Kauth, Joel) Text modified on 8/25/2015 (RDO). (Entered: 08/24/2015)
08/27/2015	84	UNOPPOSED MOTION for miscellaneous relief, specifically For Lead Counsel To Attend Meeting to Prepare Joint Final Pretrial Statement by Video Conference by Calamp Corp.. (Kauth, Joel) Text modified on 8/28/2015 (RDO). (Entered: 08/27/2015)
08/28/2015	85	ENDORSED ORDER granting 84 Unopposed Motion for Lead Counsel to Attend Meeting to Prepare Joint Final Pretrial Statement by Video Conference. Signed by Judge Paul G. Byron on 8/28/2015. (MMW) (Entered: 08/28/2015)
09/08/2015	86	MOTION for Charles Halloran to appear pro hac vice by Calamp Corp.. (Wozniak, Carrie) Motions referred to Magistrate Judge David A. Baker. (Entered: 09/08/2015)
09/09/2015	87	ENDORSED ORDER granting 86 motion to appear pro hac vice. Signed by Magistrate Judge David A. Baker on 9/9/2015. (Baker, David) (Entered: 09/09/2015)
09/09/2015	88	* * * PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Charles Halloran, appearing on behalf of Calamp Corp. (Filing fee $150 receipt number ORL-46938.) Related document: 86 MOTION for Charles Halloran to appear pro hac vice. (MAA) (MAA). (Entered: 09/09/2015)
09/17/2015	89	SUPPLEMENT re 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition by Omega Patents, LLC. (Attachments: # 1 Exhibit Exhibit A)(Santurri, Ryan) (Entered: 09/17/2015)

09/22/2015	90	Joint PRETRIAL statement by Omega Patents, LLC and Calamp Corp. (Attachments: # 1 Exhibit A - Plaintiff's Exhibit List, # 2 Exhibit B - Defendant's Exhibit List, # 3 Exhibit C - Plaintiff's Witness List, # 4 Exhibit D - Defendant's Witness List, # 5 Exhibit E - Plaintiff's Deposition Designations, # 6 Exhibit F - Defendant's Deposition Designations, # 7 Exhibit G - Plaintiff's Proposed Voir Dire, # 8 Exhibit H - Defendant's Proposed Voir Dire, # 9 Exhibit I - Jury Instructions, # 10 Exhibit J - Plaintiff's Proposed Verdict Form, # 11 Exhibit K - Defendant's Proposed Verdict Form)(Santurri, Ryan) Modified on 9/23/2015 (SWT). (Entered: 09/22/2015)
09/23/2015	91	NOTICE OF CONTINUANCE OF TRIAL TERM and FINAL PRETRIAL CONFERENCE: Final Pretrial Conference is rescheduled for 11/17/2015 at 3:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron. Jury Trial set for the DECEMBER 2015 TRIAL TERM, term commencing 12/1/2015 in Orlando Courtroom 4 B before Judge Paul G. Byron. (NBL) copies e-mailed (Entered: 09/23/2015)
09/24/2015	92	NOTICE by Calamp Corp. of Conflict with Trial Docket (Wozniak, Carrie) (Entered: 09/24/2015)
09/29/2015	93	MOTION to Bifurcate Issues of Inequitable Conduct and Prosecution Laches by Omega Patents, LLC. (Santurri, Ryan) (Entered: 09/29/2015)
09/29/2015	94	MOTION in limine by Omega Patents, LLC. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F) (Santurri, Ryan) (Entered: 09/29/2015)
09/29/2015	95	MOTION for miscellaneous relief, specifically That U.S. Patent Nos. 6,346,876 B1, 6,756,885 B1, 7,671,727 B2, and 8,032,278 B2 are not entitled to any priority date earlier than their actual filing dates by Calamp Corp.. (Attachments: # 1 Exhibit A, # 2 Exhibit B, # 3 Exhibit C, # 4 Exhibit D, # 5 Exhibit E, # 6 Exhibit F, # 7 Exhibit G, # 8 Exhibit H, # 9 Exhibit I, # 10 Exhibit J)(Kauth, Joel) (Entered: 09/29/2015)
09/29/2015	96	MOTION in limine by Calamp Corp.. (Attachments: # 1 Exhibit A, # 2 Exhibit B)(Kauth, Joel) (Entered: 09/29/2015)
10/13/2015	97	RESPONSE in Opposition re 95 MOTION for miscellaneous relief, specifically That U.S. Patent Nos. 6,346,876 B1, 6,756,885 B1, 7,671,727 B2, and 8,032,278 B2 are not entitled to any priority date earlier than their actual filing dates filed by Omega Patents, LLC. (Santurri, Ryan) (Entered: 10/13/2015)
10/13/2015	98	RESPONSE in Opposition re 96 MOTION in limine filed by Omega Patents, LLC. (Santurri, Ryan) (Entered: 10/13/2015)
10/13/2015	99	TRIAL BRIEF by Calamp Corp.. (Kauth, Joel) (Entered: 10/13/2015)
10/16/2015	100	RESPONSE in Opposition re 93 MOTION to Bifurcate Issues of Inequitable Conduct and Prosecution Laches filed by Calamp Corp.. (Attachments: # 1 Exhibit, # 2 Exhibit, # 3 Exhibit, # 4 Exhibit, # 5 Exhibit, # 6 Exhibit) (Kauth, Joel) (Entered: 10/16/2015)
10/16/2015	101	RESPONSE in Opposition re 94 MOTION in limine filed by Calamp Corp.. (Attachments: # 1 Exhibit, # 2 Exhibit, # 3 Exhibit, # 4 Exhibit, # 5 Exhibit, # 6 Exhibit, # 7 Exhibit)(Kauth, Joel) (Entered: 10/16/2015)
11/02/2015	102	NOTICE RESCHEDULING FINAL PRETRIAL CONFERENCE (TIME ONLY): Final Pretrial Conference is reset for 11/17/2015 at 1:30 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. *(previously noticed for 3:00 pm) (NBL) copies e-mailed (Entered: 11/02/2015)
11/13/2015	103	ENDORSED ORDER re 102 Notice of Hearing. All counsel may appear by telephone for the final pretrial conference. This case will not be on the December trial term, therefore another final pretrial conference will be noticed for the month prior to the start of the new trial term. Signed by Judge Paul G. Byron on 11/13/2015. (MMW) (Entered: 11/13/2015)

11/16/2015	104	NOTICE TO COUNSEL REGARDING TELEPHONIC FINAL PRETRIAL CONFERENCE: Counsel shall appear by calling into the Toll Free Meeting Number: 1-888-363-4735, Access Code: 3126210 and Security Code: 111715. (NBL) copies e-mailed (Entered: 11/16/2015)
11/17/2015	105	Minute Entry. (PRETRIAL CONFERENCE) Proceedings held before Judge Paul G. Byron on 11/17/2015. Court Reporter: Koretta Stanford (NBL) (Entered: 11/17/2015)
11/17/2015	106	NOTICE of Daubert Hearing (Oral Argument) re 56 MOTION to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. Daubert Hearing is set for 12/8/2015 at 1:30 PM in Orlando Courtroom 4 B before Judge Paul G. Byron. The Court has set aside (30) minutes per side. (NBL) copies e-mailed (Entered: 11/17/2015)
11/17/2015	107	NOTICE OF DATE CERTAIN JURY TRIAL: Jury Trial shall commence on Tuesday, 2/16/2016 at 9:00 AM in Orlando Courtroom 4 B before Judge Paul G. Byron,U.S. District Court, 401 West Central Blvd., Orlando, Florida. Trial is estimated at (5)days. (NBL) copies e-mailed (Entered: 11/17/2015)
11/17/2015	108	NOTICE OF FINAL PRETRIAL CONFERENCE: Final Pretrial Conference is set for 1/20/2016 at 3:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. (NBL) copies emailed (Entered: 11/17/2015)
11/17/2015	109	NOTICE Regarding Summary Judgment Exhibits by Omega Patents, LLC re 54 MOTION for summary judgment as to Validity, Infringement, Enforceability, and Unfair Competition (Attachments: # 1 Exhibit PX5) (Santurri, Ryan) Text modified on 11/18/2015 (RDO). (Entered: 11/17/2015)
11/19/2015	110	NOTICE RESCHEDULING DAUBERT HEARING: re 56 Motion and Memorandum to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. The Daubert Hearing is rescheduled for Friday, 12/11/2015 at 1:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. The Court has set aside (30) minutes per side. (NBL) copies e-mailed (Entered: 11/19/2015)
11/19/2015	111	NOTICE TO COUNSEL: The Daubert Hearing scheduled for December 11, 2015 at 1:00 pm will be Oral Argument, (30) minutes per side. (NBL) copies e-mailed (Entered: 11/19/2015)
11/19/2015	112	NOTICE of Appearance as Additional Counsel Appearance by Thomas R. Yaegers on behalf of Calamp Corp. (Yaegers, Thomas) (Entered: 11/19/2015)
11/30/2015	113	NOTICE by Omega Patents, LLC Regarding Accused Products (Santurri, Ryan) (Entered: 11/30/2015)
11/30/2015	114	NOTICE by Calamp Corp. Regarding Accused Devices (Attachments: # 1 Exhibit 1, # 2 Exhibit 2)(Kauth, Joel) (Entered: 11/30/2015)
12/11/2015	115	Minute Entry (DAUBERT HEARING) Proceedings held before Judge Paul G. Byron re 56 MOTION to Exclude the Testimony of Defendant's Expert on Damages, DeForest McDuff, Ph.D. Court takes motion under advisement. Court Reporter: Koretta Stanford (NBL) (Entered: 12/11/2015)
12/22/2015	116	NOTICE RESCHEDULING FINAL PRETRIAL CONFERENCE (TIME ONLY): Final Pretrial Conference is reset for 1/20/2016 at 4:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. *(previously noticed for 3:00 pm) (NBL) copies e-mailed (Entered: 12/22/2015)
12/23/2015	117	ORDER granting in part and denying in part 55 Plaintiff's Motion and Memorandum of Law to Exclude the Testimony of Defendant's Expert Eric Andrews; granting 56 Plaintiff's Motion and Memorandum of Law to

		Exclude the Testimony of Defendant's Expert on Damages. Signed by Judge Paul G. Byron on 12/23/2015. (RML) (Entered: 12/23/2015)
12/23/2015	118	ORDER granting in part and denying in part 54 Plaintiff's Motion and Memorandum for Summary Judgment as to Validity, Infringement, Enforceability and Unfair Competition; denying 78 Defendant CalAmp Corp.'s Motion for Summary Judgment and Memorandum of Law Regarding Invalidity and Noninfringement. Signed by Judge Paul G. Byron on 12/23/2015. (RML) (Entered: 12/23/2015)
01/05/2016	119	ORDER granting in part and denying in part 93 Plaintiff's Motion to Bifurcate Issues of Inequitable Conduct and Prosecution Laches. Signed by Judge Paul G. Byron on 1/5/2016. (RML) (Entered: 01/05/2016)
01/07/2016	120	ENDORSED ORDER directing the parties to file with the Court all full deposition transcripts which they intend to designate for use at trial. Transcripts must be filed by 5:00 P.M. on January 11, 2016. Signed by Judge Paul G. Byron on 1/7/2016. (MMW) (Entered: 01/07/2016)
01/13/2016	121	ORDER denying without prejudice as premature 95 Defendant CalAmp Corp.'s Motion That U.S. Patent Nos. '876, '885, '727, and '278 Are Not Entitled To Any Priority Date Earlier Than Their Actual Filing Dates. Signed by Judge Paul G. Byron on 1/13/2016. (RML) (Entered: 01/13/2016)
01/19/2016	122	ORDER granting in part and denying in part 94 Plaintiff Omega Patents, LLC's Motion in Limine. Signed by Judge Paul G. Byron on 1/19/2016. (RML) (Entered: 01/19/2016)
01/20/2016	123	Minute Entry (FINAL PRETRIAL CONFERENCE) Proceedings held before Judge Paul G. Byron on 1/20/2016. Court Reporter: Diane Peede (NBL) (Entered: 01/21/2016)
01/21/2016	124	FEBRIARY 2016 TRIAL CALENDAR for United States District Judge Paul G. Byron.(NBL) copies e-mailed (Entered: 01/21/2016)
01/22/2016	125	CIVIL PRETRIAL ORDER and ORDER denying 96 Defendant CalAmp Corp.'s Motion in Limine. Signed by Judge Paul G. Byron on 1/22/2016. (RML) (Entered: 01/22/2016)
02/01/2016	126	ORDER re: [90-5] [90-6] the parties' objections to deposition designations and counter-designations. Signed by Judge Paul G. Byron on 2/1/2016. (RML) (Entered: 02/01/2016)
02/12/2016	127	Exhibit List by Calamp Corp.. (Kauth, Joel) (Entered: 02/12/2016)
02/12/2016	128	Witness List by Calamp Corp.. (Kauth, Joel) (Entered: 02/12/2016)
02/15/2016	129	Exhibit List (Corrected) by Calamp Corp.. (Kauth, Joel) (Entered: 02/15/2016)
02/16/2016	130	Minute Entry (JURY TRIAL DAY 1) Proceedings held before Judge Paul G. Byron on 2/16/2016. Court Reporter: Koretta Stanford (NBL) (Entered: 02/17/2016)
02/17/2016	131	Minute Entry (JURY TRIAL DAY 2) Proceedings held before Judge Paul G. Byron on 2/17/2016. Court Reporter: Koretta Stanford (NBL) (Entered: 02/17/2016)
02/18/2016	132	Minute Entry (JURY TRIAL DAY 3) Proceedings held before Judge Paul G. Byron on 2/18/2016. Court Reporter: Koretta Stanford (NBL) (Entered: 02/18/2016)
02/19/2016	133	Minute Entry (JURY TRIAL DAY 4) Proceedings held before Judge Paul G. Byron on 2/19/2016. Court Reporter: Koretta Stanford (NBL) (Entered: 02/19/2016)
02/22/2016	134	Minute Entry (JURY TRIAL DAY 5) Proceedings held before Judge Paul G. Byron on 2/22/2016. Court Reporter: Koretta Stanford (NBL) (Entered: 02/23/2016)
02/22/2016	135	

		ORAL MOTION for judgment as a matter of law by Calamp Corp. (NBL) (Entered: 02/23/2016)
02/22/2016	136	ORAL ORDER denying for the reasons stated on the record 135 Defendant's Oral Motion for Judgment as a Matter of Law. Rendered in Open Court by Judge Paul G. Byron on 2/22/2016. (NBL) (Entered: 02/23/2016)
02/23/2016	137	Minute Entry (JURY TRIAL DAY 6) Proceedings held before Judge Paul G. Byron on 2/23/2016. Court Reporter: Koretta Stanford (NBL) (Entered: 02/23/2016)
02/23/2016	138	ORAL MOTION for judgment as a matter of law on the issues of Obviousness, Written Description and Infringement by Omega Patents, LLC. (NBL) (Entered: 02/23/2016)
02/23/2016	139	ORAL ORDER re: 138 Plaintiff's Oral Motion for Judgment as a Matter of Law. For the reasons stated on the record, the Court WITHHOLDS as to the issue of Obviousness, GRANTS as to Written Description and DENIES as to Infringement. Rendered in Open Court by Judge Paul G. Byron on 2/23/2016. (NBL) Modified on 2/23/2016 (NBL). (Entered: 02/23/2016)
02/23/2016	140	ORAL MOTION for judgment as a matter of law as to the issues of Obviousness, Willful Infringement and Notice Date by Calamp Corp. (NBL) (Entered: 02/23/2016)
02/23/2016	141	ORAL ORDER denying for the reasons stated on the record 140 Defendant's Oral Motion for Judgment as a Matter of Law as to Obviousness, Willful Infringement and Notice Date. Rendered in Open Court by Judge Paul G. Byron on 2/23/2016. (NBL) (Entered: 02/23/2016)
02/24/2016	142	Minute Entry(JURY TRIAL DAY 7) Proceedings held before Judge Paul G. Byron on 2/24/2016. Jury Verdict for the Plaintiff. Court Reporter: Koretta Stanford (NBL) (Entered: 02/24/2016)
02/24/2016	143	COURT'S INSTRUCTIONS to the Jury (NBL) (Entered: 02/24/2016)
02/24/2016	144	JURY VERDICT in favor of the Plaintiff.(NBL) (Entered: 02/24/2016)
02/25/2016	145	PLAINTIFF and JOINT Exhibit List (Trial) by Omega Patents, LLC. (NBL) (Additional attachment(s) added on 8/3/2017: # 1 Exhibit Joint 1, # 2 Exhibit Joint 3, # 3 Exhibit Joint 4, # 4 Exhibit Joint 5, # 5 Exhibit Joint 6 Part 1, # 6 Exhibit Joint 6 Part 2, # 7 Exhibit Joint 6 Part 3, # 8 Exhibit Joint 6 Part 4, # 9 Exhibit Joint 6 Part 5, # 10 Exhibit Joint 6 Part 6, # 11 Exhibit Joint 6 Part 7, # 12 Exhibit Joint 8, # 13 Exhibit Joint 9, # 14 Exhibit Joint 10, # 15 Exhibit Joint 11, # 16 Exhibit Joint 12, # 17 Exhibit Joint 13, # 18 Exhibit Joint 14, # 19 Exhibit 1, # 20 Exhibit 2, # 21 Exhibit 3, # 22 Exhibit 4, # 23 Exhibit 5, # 24 Exhibit 6, # 25 Exhibit 8, # 26 Exhibit 9, # 27 Exhibit 10, # 28 Exhibit 11, # 29 Exhibit 12, # 30 Exhibit 14, # 31 Exhibit 15, # 32 Exhibit 16, # 33 Exhibit 17, # 34 Exhibit 18, # 35 Exhibit 19, # 36 Exhibit 20, # 37 Exhibit 21, # 38 Exhibit 22, # 39 Exhibit 23, # 40 Exhibit 38, # 41 Exhibit 39, # 42 Exhibit 45, # 43 Exhibit 47, # 44 Exhibit 48, # 45 Exhibit 49, # 46 Exhibit 59, # 47 Exhibit 60, # 48 Exhibit 62, # 49 Exhibit 63, # 50 Exhibit 64, # 51 Exhibit 65, # 52 Exhibit 66, # 53 Exhibit 67, # 54 Exhibit 68, # 55 Exhibit 69, # 56 Exhibit 70, # 57 Exhibit 71, # 58 Exhibit 72, # 59 Exhibit 73, # 60 Exhibit 74, # 61 Exhibit 75, # 62 Exhibit 76, # 63 Exhibit 77, # 64 Exhibit 78, # 65 Exhibit 79, # 66 Exhibit 80, # 67 Exhibit 81, # 68 Exhibit 82, # 69 Exhibit 83, # 70 Exhibit 84, # 71 Exhibit 85, # 72 Exhibit 86, # 73 Exhibit 88, # 74 Exhibit 90, # 75 Exhibit 92, # 76 Exhibit 93, # 77 Exhibit 96, # 78 Exhibit 97, # 79 Exhibit 98, # 80 Exhibit 99, # 81 Exhibit 100, # 82 Exhibit 101, # 83 Exhibit 102, # 84 Exhibit 103, # 85 Exhibit 104, # 86 Exhibit 105, # 87 Exhibit 106, # 88 Exhibit 141, # 89 Exhibit 154, # 90 Exhibit 156, # 91 Exhibit 159, # 92 Exhibit 160, # 93 Exhibit 161, # 94 Exhibit 162, # 95 Exhibit 163, # 96 Exhibit 164) (AKJ). (Entered: 02/25/2016)
02/25/2016	146	

		DEFENDANT Exhibit List (Trial) by CalAmp Corp.(NBL) (Additional attachment(s) added on 8/3/2017: # 1 Exhibit 2, # 2 Exhibit 4, # 3 Exhibit 5, # 4 Exhibit 6, # 5 Exhibit 10, # 6 Exhibit 11, # 7 Exhibit 12, # 8 Exhibit 17, # 9 Exhibit 24, # 10 Exhibit 26, # 11 Exhibit 27, # 12 Exhibit 28, # 13 Exhibit 29, # 14 Exhibit 30, # 15 Exhibit 31, # 16 Exhibit 32, # 17 Exhibit 33, # 18 Exhibit 34, # 19 Exhibit 37, # 20 Exhibit 38 part 1, # 21 Exhibit 38 part 2, # 22 Exhibit 38 part 3, # 23 Exhibit 38 part 4, # 24 Exhibit 38 part 5, # 25 Exhibit 39, # 26 Exhibit 40, # 27 Exhibit 41, # 28 Exhibit 42, # 29 Exhibit 43, # 30 Exhibit 44, # 31 Exhibit 45, # 32 Exhibit 46, # 33 Exhibit 47 part 1, # 34 Exhibit 47 part 2, # 35 Exhibit 47 part 3, # 36 Exhibit 47 part 4, # 37 Exhibit 47 part 5, # 38 Exhibit 47 part 6, # 39 Exhibit 48, # 40 Exhibit 49, # 41 Exhibit 50, # 42 Exhibit 51, # 43 Exhibit 52, # 44 Exhibit 54, # 45 Exhibit 55, # 46 Exhibit 56, # 47 Errata 57, # 48 Exhibit 58, # 49 Exhibit 59, # 50 Exhibit 65, # 51 Exhibit 66, # 52 Exhibit 67, # 53 Exhibit 68, # 54 Exhibit 69, # 55 Exhibit 70, # 56 Exhibit 71, # 57 Exhibit 73, # 58 Exhibit 74, # 59 Exhibit 75, # 60 Exhibit 76, # 61 Exhibit 77, # 62 Exhibit 78, # 63 Exhibit 79, # 64 Exhibit 80, # 65 Exhibit 81) (AKJ). (Entered: 02/25/2016)
02/25/2016	147	COURT'S EXHIBIT LIST (Trial)(NBL) (Additional attachment(s) added on 8/1/2017: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Exhibit 6, # 7 Exhibit 7, # 8 Exhibit 8, # 9 Exhibit 9, # 10 Exhibit 10, # 11 Exhibit 11, # 12 Exhibit 12, # 13 Exhibit 13, # 14 Exhibit 14, # 15 Exhibit 15) (AKJ). (Entered: 02/25/2016)
03/09/2016	148	MOTION and Memorandum for Entry of Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment by Omega Patents, LLC. (Gilchrist, Brian) Text modified on 3/10/2016 (RDO). (Entered: 03/09/2016)
03/09/2016	149	PROPOSED BILL OF COSTS by Omega Patents, LLC. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5) (Gilchrist, Brian) (Entered: 03/09/2016)
03/14/2016	150	UNOPPOSED MOTION for Leave to File a Motion in Excess of Twenty-Five Pages by Calamp Corp.. (Kauth, Joel) Text modified on 3/15/2016 (RDO). (Entered: 03/14/2016)
03/15/2016	151	ENDORSED ORDER granting in part 150 Motion for Leave to File Excess Pages. Defendant may file a post-trial motion with a page limit of 35 pages and Plaintiff may file a response with a page limit of 30 pages. Signed by Judge Paul G. Byron on 3/15/2016. (MMW) (Entered: 03/15/2016)
03/16/2016	152	MOTION and Memorandum for miscellaneous relief, specifically to Award Prejudgment Interest by Omega Patents, LLC. (Attachments: # 1 Exhibit A)(Gilchrist, Brian) Text modified on 3/17/2016 (RDO). (Entered: 03/16/2016)
03/18/2016	153	ENDORSED ORDER denying without prejudice for failure to comply with Local Rule 3.01(g) 152 Motion to Award Prejudgment Interest. Signed by Judge Paul G. Byron on 3/18/2016. (MMW) (Entered: 03/18/2016)
03/18/2016	154	MOTION for miscellaneous relief, specifically Renewed Motion to Award Prejudgment Interest by Omega Patents, LLC. (Attachments: # 1 Exhibit A)(Gilchrist, Brian) (Entered: 03/18/2016)
03/22/2016	155	MOTION for Extension of Time to File and Enlargement of the Page Limitation for its Response to 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment by Calamp Corp.. (Kauth, Joel) Motions referred to Magistrate Judge David A. Baker. Text modified on 3/23/2016 (RDO). (Entered: 03/22/2016)
03/24/2016	156	MOTION for Charles R. Halloran to withdraw as attorney by Calamp Corp.. (Halloran, Charles) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/24/2016)

03/24/2016	157	MOTION for Eugene K. Chong to withdraw as attorney by Calamp Corp.. (Chong, Eugene) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/24/2016)
03/25/2016	158	ENDORSED ORDER granting 156 Motion to Withdraw as Attorney Attorney Eugene Chong and Charles R. Halloran terminated; granting 157 Motion to Withdraw as Attorney. Signed by Magistrate Judge David A. Baker on 3/25/2016. (Baker, David) (Entered: 03/25/2016)
03/25/2016	159	RESPONSE in Opposition re 155 MOTION for Extension of Time to File Response/Reply as to 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment filed by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 03/25/2016)
03/28/2016	160	MOTION for Stephanie P. Koh to appear pro hac vice by Calamp Corp.. (Wozniak, Carrie) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/28/2016)
03/28/2016	161	MOTION for Thomas D. Rein to appear pro hac vice by Calamp Corp.. (Wozniak, Carrie) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/28/2016)
03/28/2016	162	MOTION for Constantine L. Trela, Jr. to appear pro hac vice by Calamp Corp.. (Wozniak, Carrie) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/28/2016)
03/28/2016		***PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Constantine L. Trela, appearing on behalf of Calamp Corp. (Filing fee $150 receipt number ORL052203.) Related document: 162 MOTION for Constantine L. Trela, Jr. to appear pro hac vice. (RDO) (Entered: 03/28/2016)
03/28/2016		***PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Thomas D. Rein, appearing on behalf of Calamp Corp. (Filing fee $150 receipt number ORL052202.) Related document: 161 MOTION for Thomas D. Rein to appear pro hac vice. (RDO) (Entered: 03/28/2016)
03/28/2016		***PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Stephanie P. Koh, appearing on behalf of Calamp Corp. (Filing fee $150 receipt number ORL052205.) Related document: 160 MOTION for Stephanie P. Koh to appear pro hac vice. (RDO) (Entered: 03/28/2016)
03/28/2016	163	ENDORSED ORDER granting in part and denying in part 155 Defendant Calamp Corp.'s Motion for Extension of Time to File and Enlargement of the Page Limitation for its Response to Plaintiff's Motion for Entry of Judgment. Calamp shall file its response to Plaintiff's Motion and Memorandum for Entry of Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction on or before April 11, 2016. The response shall not exceed thirty (30) pages in length. Signed by Judge Paul G. Byron on 3/28/2016. (RML) (Entered: 03/28/2016)
03/29/2016		Set/reset deadlines as to 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment . Responses due by 4/11/2016 (RDO) (Entered: 03/29/2016)
03/30/2016	164	ENDORSED ORDER granting 160 motion to appear pro hac vice; granting 161 motion to appear pro hac vice; granting 162 motion to appear pro hac vice. Provided, all counsel shall register for and use the electronic filing system as adopted by the Court. After this Order, the Clerk will no longer send copies of docket entries by U.S. Mail to counsel in this case. Appearance and participation by more than one attorney at any hearing or trial is subject to the discretion of the presiding judge. Signed by

		Magistrate Judge David A. Baker on 3/30/2016. (Baker, David) (Entered: 03/30/2016)
03/31/2016	165	MOTION for Bryan C. Mulder to appear pro hac vice by Calamp Corp.. (Wozniak, Carrie) Motions referred to Magistrate Judge David A. Baker. (Entered: 03/31/2016)
03/31/2016		* * * PRO HAC VICE FEES paid and Special Admission Attorney Certification Form filed by attorney Bryan C. Mulder, appearing on behalf of Calamp Corp. (Filing fee $150 receipt number ORL052334.) Related document: 165 MOTION for Bryan C. Mulder to appear pro hac vice. (RDO) (Entered: 03/31/2016)
04/04/2016	166	RESPONSE in Opposition re 154 MOTION for miscellaneous relief, specifically Renewed Motion to Award Prejudgment Interest filed by Calamp Corp.. (Kauth, Joel) (Entered: 04/04/2016)
04/05/2016	167	ENDORSED ORDER granting 165 motion to appear pro hac vice. Provided, all counsel shall register for and use the electronic filing system as adopted by the Court. After this Order, the Clerk will no longer send copies of docket entries by U.S. Mail to counsel in this case. Appearance and participation by more than one attorney at any hearing or trial is subject to the discretion of the presiding judge. Signed by Magistrate Judge David A. Baker on 4/5/2016. (Baker, David) (Entered: 04/05/2016)
04/08/2016	168	MOTION to Review 149 Bill of Costs (filed as Response in Opposition/Objection) filed by Calamp Corp. (Kauth, Joel) Modified on 4/25/2016 (LMM). Motions referred to Magistrate Judge David A. Baker. (Entered: 04/08/2016)
04/11/2016	169	RESPONSE in Opposition re 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment filed by Calamp Corp.. (Kauth, Joel) (Entered: 04/11/2016)
04/11/2016	170	APPENDIX re 169 Response in Opposition to Motion by Calamp Corp.. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3, # 4 Exhibit 4, # 5 Exhibit 5, # 6 Exhibit 6, # 7 Exhibit 7, # 8 Exhibit 8, # 9 Exhibit 9, # 10 Exhibit 10, # 11 Exhibit 11, # 12 Exhibit 12, # 13 Exhibit 13, # 14 Exhibit 14, # 15 Exhibit 15, # 16 Exhibit 16, # 17 Exhibit 17, # 18 Exhibit 18, # 19 Exhibit 19, # 20 Exhibit 20, # 21 Exhibit 21, # 22 Exhibit 22, # 23 Exhibit 23, # 24 Exhibit 24)(Kauth, Joel) (Entered: 04/11/2016)
04/11/2016	171	MOTION for miscellaneous relief, specifically Request for Hearing re 148 Motion for Entry of Final Judgment by Calamp Corp.. (Kauth, Joel) Modified on 4/12/2016 (RDO). (Entered: 04/11/2016)
04/14/2016	172	ENDORSED ORDER granting 171 Defendant's Motion for Hearing Regarding Plaintiff's Motion for Entry of Final Judgment, Including Entitlement to Attorney's Fees, Enhanced Damages, and Entry of a Permanent Injunction. A separate Notice of Hearing will follow. Signed by Judge Paul G. Byron on 4/14/2016. (RML) (Entered: 04/14/2016)
04/14/2016	173	NOTICE OF MOTION HEARING: re 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment. Motion Hearing is set for Tuesday, 4/26/2016 at 2:00 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. The Court has set aside (3) hours for this hearing. (NBL) copies e-mailed (Entered: 04/14/2016)
04/18/2016	174	Unopposed MOTION for miscellaneous relief, specifically Reschedule Hearing (Currently Scheduled for April 26, 2016) by Omega Patents, LLC. (Santurri, Ryan) (Entered: 04/18/2016)
04/19/2016	175	ENDORSED ORDER granting 174 Plaintiff's Unopposed Motion to Reschedule Hearing. A separate Notice of Hearing will follow. Signed by Judge Paul G. Byron on 4/19/2016. (RML) (Entered: 04/19/2016)

04/19/2016	176	NOTICE RESCHEDULING MOTION HEARING re 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment. Motion Hearing is rescheduled for 5/2/2016 at 1:30 PM in Orlando Courtroom 4 B before Judge Paul G. Byron, U.S. District Court, 401 West Central Blvd., Orlando, Florida. The Court has set aside (3) hours for this hearing. *(previously set for 4/26/16)(NBL) copies e-mailed (Entered: 04/19/2016)
04/22/2016	177	RESPONSE in opposition to 168 Motion to Review Bill of Costs filed by Omega Patents, LLC. (Attachments: # 1 Exhibit A, # 2 Exhibit B)(Santurri, Ryan) Modified on 4/25/2016 (LMM). Modified on 4/25/2016 (LMM). (Entered: 04/22/2016)
04/25/2016	178	TRANSCRIPT of Civil Jury Trial - Day 1 held on 2/16/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford, Telephone number 407-872-1715 or skoretta@bellsouth.net. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)
04/25/2016	179	TRANSCRIPT of Civil Jury Trial - Day 2 held on 02/17/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford, Telephone number 407-872-1715. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)
04/25/2016	180	TRANSCRIPT of Civil Jury Trial - Day 3 held on 02/18/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford,Telephone number 407-872-1715. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)
04/25/2016	181	TRANSCRIPT of Civil Jury Trial - Day 4 held on 2/19/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford,Telephone number 407-872-1715. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)
04/25/2016	182	TRANSCRIPT of Civil Jury Trial - Day 5 held on 2/22/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford, Telephone number 407-872-1715. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)
04/25/2016	183	TRANSCRIPT of Civil Jury Trial - Day 6 held on 2/23/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford,Telephone number 407-872-1715. Transcript may be viewed at the court public terminal or

purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)

04/25/2016 184 TRANSCRIPT of Civil Jury Trial - Day 7 held on 2/24/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford,Telephone number 407-872-1715. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/16/2016, Redacted Transcript Deadline set for 5/26/2016, Release of Transcript Restriction set for 7/25/2016. (KS) (Entered: 04/25/2016)

04/25/2016 185 NOTICE to counsel of filing of OFFICIAL TRANSCRIPT, Doc 178 through 184. The parties have seven (7) calendar days to file with the court a Notice of Intent to Request Redaction of this transcript. If no such Notice is filed, the transcript may be made remotely electronically available to the public without redaction after 90 calendar days. Any party needing a copy of the transcript to review for redaction purposes may purchase a copy from the court reporter or view the document at the clerk's office public terminal. Court Reporter: Koretta Stanford. (KS) (Entered: 04/25/2016)

04/26/2016 186 ORDER denying without prejudice 168 Motion to review bill of costs. Signed by Magistrate Judge David A. Baker on 4/26/2016. (SWT) (Entered: 04/26/2016)

04/28/2016 187 NOTICE by Omega Patents, LLC of Filing Declarations (Attachments: # 1 Exhibit Declaration of Robert Leale II, # 2 Exhibit Declaration of Thomas Malone)(Santurri, Ryan) (Entered: 04/28/2016)

04/29/2016 188 NOTICE by Calamp Corp. re 187 Notice (Other) of Filing Responsive Declarations (Attachments: # 1 Exhibit Declaration of Wade Files, # 2 Exhibit Declaration of Wade Huber)(Kauth, Joel) (Entered: 04/29/2016)

05/02/2016 189 Minute Entry (MOTION HEARING) Proceedings held before Judge Paul G. Byron on 5/2/2016 re 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment filed by Omega Patents, LLC. Written Order to issue.Court Reporter: Koretta Stanford (NBL) (Entered: 05/03/2016)

05/12/2016 190 TRANSCRIPT of the final pretrial conference held on 1/20/16 before Judge Paul G. Byron. Court Reporter/Transcriber Diane Peede, FlaDiane@att.net, telephone number 407-615-0305. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter.. Redaction Request due 6/2/2016, Redacted Transcript Deadline set for 6/13/2016, Release of Transcript Restriction set for 8/10/2016. (DP) (Entered: 05/12/2016)

05/12/2016 191 NOTICE to counsel of filing of OFFICIAL TRANSCRIPT (Doc. No. 190). The parties have seven (7) calendar days to file with the court a Notice of Intent to Request Redaction of this transcript. If no such Notice is filed, the transcript may be made remotely electronically available to the public without redaction after 90 calendar days. Any party needing a copy of the transcript to review for redaction purposes may purchase a copy from the court reporter or view the document at the clerk's office public terminal. Court Reporter: Diane Peede. (DP) (Entered: 05/12/2016)

05/17/2016 192 NOTICE of supplemental authority re 169 Response in Opposition to 148 Motion for entry of Judgment by Calamp Corp.. (Attachments: # 1 Exhibit 1)(Kauth, Joel) Modified on 5/18/2016 (RDO). (Entered: 05/17/2016)

06/06/2016	193	NOTICE of Grant of Reexamination of '885 Patent re 169 Response in Opposition to Motion by Calamp Corp.. (Attachments: # 1 Exhibit 1) (Kauth, Joel) Text modified on 6/7/2016 (RDO). (Entered: 06/06/2016)
06/13/2016	194	NOTICE of supplemental authority re 148 MOTION for Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction judgment by Omega Patents, LLC. (Attachments: # 1 Exhibit A)(Gilchrist, Brian) (Entered: 06/13/2016)
06/14/2016	195	RESPONSE re 194 Notice of filing supplemental authority by Calamp Corp.. (Wozniak, Carrie) (Entered: 06/14/2016)
06/22/2016	196	TRANSCRIPT of Motion Hearing held on 05/02/16 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford, Telephone number 407-872-1715 or skoretta@bellsouth.net. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 7/13/2016, Redacted Transcript Deadline set for 7/25/2016, Release of Transcript Restriction set for 9/20/2016. (KS) (Entered: 06/22/2016)
06/22/2016	197	NOTICE to counsel of filing of OFFICIAL TRANSCRIPT, Doc. 196. The parties have seven (7) calendar days to file with the court a Notice of Intent to Request Redaction of this transcript. If no such Notice is filed, the transcript may be made remotely electronically available to the public without redaction after 90 calendar days. Any party needing a copy of the transcript to review for redaction purposes may purchase a copy from the court reporter or view the document at the clerk's office public terminal. Court Reporter: Koretta Stanford. (KS) (Entered: 06/22/2016)
07/19/2016	198	RESPONSE re 192 Notice of filing supplemental authority filed by Omega Patents, LLC. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2, # 3 Exhibit 3) (Gilchrist, Brian) (Entered: 07/19/2016)
07/22/2016	199	REPLY to 198 Response filed by Calamp Corp.. (Attachments: # 1 Exhibit 1, Beckert, # 2 Exhibit 2, Suman, # 3 Exhibit 3, J1850, # 4 Exhibit 4, J2178, # 5 Exhibit 5, 876 Claim Chart)(Mulder, Bryan) Text modified on 7/25/2016 (RDO). (Entered: 07/22/2016)
08/30/2016	200	NOTICE of supplemental authority re 169 Response in Opposition to Motion by Calamp Corp.. (Wozniak, Carrie) (Entered: 08/30/2016)
08/30/2016	201	NOTICE of supplemental authority re 169 Response in Opposition to Motion by Calamp Corp.. (Attachments: # 1 Exhibit 1)(Wozniak, Carrie) (Entered: 08/30/2016)
09/19/2016	202	NOTICE of supplemental authority re 169 Response in Opposition to Motion for Entry of Final Judgment by Calamp Corp.. (Attachments: # 1 Exhibit 1)(Wozniak, Carrie) (Entered: 09/19/2016)
10/03/2016	203	Case Reassigned to Magistrate Judge Daniel C. Irick. New case number: 6:13-cv-1950-ORL-40-DCI. Magistrate Judge David A. Baker no longer assigned to the case. (EJS) (Entered: 10/03/2016)
10/21/2016	204	ENDORSED ORDER: The Court has taken the various notices of supplemental authority and related declarations and exhibits under advisement and is currently drafting its opinion. Prior to submitting any additional material relating to the post trial motions, the proponent SHALL seek leave of Court. Signed by Judge Paul G. Byron on 10/21/2016. (MMW) (Entered: 10/21/2016)
03/20/2017	205	MOTION for miscellaneous relief, specifically Motion for Status Conference by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 03/20/2017)
04/05/2017	206	ORDER granting in part and denying in part 148 Motion for Entry of Final Judgment, Including Entitlement to Attorneys' Fees, Enhanced Damages, and Entry of a Permanent Injunction. The Motion is granted as to entry of final judgment, attorneys' fees, and enhanced damages. The Motion is

		denied as to the request for entry of a permanent injunction. Plaintiff's 154 Renewed Motion to Award Prejudgment Interest is also granted. Signed by Judge Paul G. Byron on 4/5/2017. (ALJ) (RDO). (Entered: 04/05/2017)
04/05/2017	207	ENDORSED ORDER denying as moot 205 Motion for Status Conference by Omega Patents, LLC. The Motion is rendered moot by the Court's Order entered on April 5, 2017 206. Signed by Judge Paul G. Byron on 4/5/2017. (ALJ) (Entered: 04/05/2017)
04/19/2017	208	NOTICE by Omega Patents, LLC of Firm Name Change (Gilchrist, Brian) (Entered: 04/19/2017)
04/19/2017	209	STIPULATION Regarding Attorneys' Fees and Costs by both parties. (Gilchrist, Brian) Modified on 4/20/2017 (RDO). (Entered: 04/19/2017)
04/19/2017	210	STIPULATION for Entry of Proposed Final Judgment by both parties. (Attachments: # 1 Text of Proposed Order)(Gilchrist, Brian) Modified on 4/20/2017 (RDO). (Entered: 04/19/2017)
04/24/2017	211	FINAL JUDGMENT. Signed by Judge Paul G. Byron on 4/24/2017. (ALJ) (Entered: 04/24/2017)
04/24/2017	212	ENDORSED ORDER directing the Clerk of Court to close the file. Signed by Judge Paul G. Byron on 4/24/2017. (ALJ) (Entered: 04/24/2017)
04/25/2017	213	Patent Report sent to Alexandria, VA. (Attachments: # 1 Judgment, # 2 Complaint) (RDO) (Entered: 04/25/2017)
05/08/2017	214	MOTION to Stay Execution of 211 Judgment pending post-trial motions and for approval of supersedeas bond by Calamp Corp.. (Attachments: # 1 Exhibit A, # 2 Exhibit B)(Wozniak, Carrie) Modified on 5/9/2017 (RDO). (Entered: 05/08/2017)
05/12/2017	215	RESPONSE in Opposition re 214 MOTION to Stay Execution of 211 Judgment pending post-trial motions and for approval of supersedeas bond filed by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 05/12/2017)
05/22/2017	216	RENEWED MOTION for judgment as a matter of law , MOTION for New Trial by Calamp Corp.. (Attachments: # 1 Exhibit 1, JE1 - US Patent No 6,346,876, # 2 Exhibit 2, JE3 - US Patent No 6,756,885, # 3 Exhibit 3, PTX104 (excerpts), # 4 Exhibit 4, JE5 - US Patent No 8,032,278, # 5 Exhibit 5, JE4 - US Patent No 7,671,727, # 6 Exhibit 6, 8-18-14 Hergesheimer Tr (excerpts), # 7 Exhibit 7, Eiberger Tr (excerpts), # 8 Exhibit 8, PTX161, # 9 Exhibit 9, 4-22-15 Hergesheimer Tr (excerpts), # 10 Exhibit 10, 885 reexam office action, # 11 Exhibit 11, PTX38, # 12 Exhibit 12, PTX47, # 13 Exhibit 13, PTX14, # 14 Exhibit 14, CalAmp 2016 10K (excerpts), # 15 Exhibit 15, DTX73 (excerpts), # 16 Exhibit 16, DTX74 (excerpts), # 17 Exhibit 17, DTX75 (excerpts), # 18 Exhibit 18, 278 reexam office action, # 19 Exhibit 19, 727 reexam office action, # 20 Exhibit 20, 876 reexam office action, # 21 Exhibit 21, 727 reexam 5-13-17 response, # 22 Exhibit 22, Chen Tr (excerpts), # 23 Exhibit 23 - McDuff Report (excerpts))(Mulder, Bryan) Modified on 5/23/2017 (RDO). (Entered: 05/22/2017)
05/23/2017	217	CERTIFICATE of compliance with Rule 3.01(g) re 216 MOTION for judgment as a matter of law MOTION for New Trial by Calamp Corp.. (Wozniak, Carrie) Modified on 5/24/2017 (RDO). (Entered: 05/23/2017)
05/23/2017	218	STIPULATION Regarding Supplemental and On-going Royalties by both parties. (Attachments: # 1 Text of Proposed Order)(Gilchrist, Brian) Modified on 5/24/2017 (RDO). (Entered: 05/23/2017)
05/31/2017	219	Unopposed MOTION for Extension of Time until 7/5/2017 to File Response/Reply as to 216 MOTION for judgment as a matter of law MOTION for New Trial by Omega Patents, LLC. (Gilchrist, Brian) Motions referred to Magistrate Judge Daniel C. Irick. Text modified on 6/1/2017 (RDO). (Entered: 05/31/2017)

06/01/2017	220	ENDORSED ORDER granting 219 Unopposed Motion for Extension of Time to Respond to Defendant's Renewed Motion for Judgment as a Matter of Law and for New Trial. Plaintiff's response shall be due on or before July 5, 2017. Additional extensions should not be sought absent extraordinary good cause. Signed by Magistrate Judge Daniel C. Irick on 6/1/2017. (Irick, Daniel) (Entered: 06/01/2017)
06/01/2017	221	STIPULATION to Stay Execution of 211 Final Judgment Secured by Supersedeas Bond by both parties. (Attachments: # 1 Exhibit, # 2 Text of Proposed Order)(Kauth, Joel) Modified on 6/2/2017 (RDO). (Entered: 06/01/2017)
06/02/2017		Set/reset deadlines as to 216 MOTION for judgment as a matter of law MOTION for New Trial . Responses due by 7/5/2017 (RDO) (Entered: 06/02/2017)
06/02/2017	222	MOTION to Vacate 211 Final Judgment and Dismiss the Case for Lack of Venue by Calamp Corp.. (Attachments: # 1 Declaration of Garo Sarkissian)(Mulder, Bryan) Text modified on 6/5/2017 (RDO). (Entered: 06/02/2017)
06/02/2017	223	ORDER re 221 Stipulation filed by Calamp Corp. The execution of the Final Judgment, and any Amended Judgment, and any proceedings to enforce either, are hereby STAYED pending disposition of post-trial motions, and any subsequent appeal. CalAmp SHALL post a supersedeas bond in the amount of $17,000,000.00 within 21 days of this order. The terms of the Stipulation to Stay Execution of Judgment (Doc. 221) are INCORPORATED and made part of this order. Hartford Fire Insurance Company is approved as the surety for such bond. CalAmp's currently pending Motion for Stay (Doc. 214) is DENIED AS MOOT. Signed by Judge Paul G. Byron on 6/2/2017. (MMW) (Entered: 06/02/2017)
06/12/2017	224	NOTICE of Filing Supersedeas Bond by Calamp Corp. re 223 Order (Attachments: # 1 Exhibit A)(Wozniak, Carrie) Text modified on 6/13/2017 (RDO). (Entered: 06/12/2017)
06/16/2017	225	RESPONSE in Opposition re 222 MOTION to Vacate 211 Final Judgment and Dismiss the Case for Lack of Venue filed by Omega Patents, LLC. (Santurri, Ryan) (Entered: 06/16/2017)
07/05/2017	226	RESPONSE in Opposition re 216 MOTION for judgment as a matter of law MOTION for New Trial filed by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 07/05/2017)
07/19/2017	227	AMENDED FINAL JUDGMENT. Signed by Judge Paul G. Byron on 7/19/2017. (MMW) Text modified on 7/20/2017 (RDO). (Entered: 07/19/2017)
07/26/2017	228	Supplemental MOTION for judgment as a matter of law , for a new trial, and to vacate the judgment by Calamp Corp.. (Mulder, Bryan) (Entered: 07/26/2017)
08/01/2017	229	RESPONSE in Opposition re 228 Supplemental MOTION for judgment as a matter of law , for a new trial, and to vacate the judgment filed by Omega Patents, LLC. (Gilchrist, Brian) (Entered: 08/01/2017)
09/22/2017	230	ORDER denying 222 Motion to Vacate the Judgment and Dismiss for Lack of Venue. Signed by Judge Paul G. Byron on 9/22/2017. (ALJ) (Entered: 09/22/2017)
11/14/2017	231	ORDER denying 216 CalAmp's Renewed Motion for Judgment as a Matter of Law and for a New Trial; denying 228 CalAmp's Supplemental Renewed Motion for Judgment as a Matter of Law, for a New Trial, and to Vacate the Judgment. Signed by Judge Paul G. Byron on 11/14/2017. (JRJ) (Entered: 11/14/2017)
12/11/2017	232	NOTICE OF APPEAL as to 227 Order, 211 Order, 206 Order on motion for judgment Order on Motion for Miscellaneous Relief, 230 Order on Motion to Vacate, 50 Order, 118 Order on motion for summary judgment, 125

		Order on Motion in Limine, 117 Order on Motion for Miscellaneous Relief, 122 Order on Motion in Limine, 231 Order on Motion for Judgment as a Matter of Law Order on Motion for New Trial by Calamp Corp. Filing fee not paid. (Mulder, Bryan) (Entered: 12/11/2017)
12/12/2017	233	TRANSMITTAL of initial appeal package to USCA for the Federal Circuit by email to appeal@cafc.uscourts.gov consisting of copies of notice of appeal, docket sheet, order/judgment being appealed, and motion, if applicable to USCA re 232 Notice of appeal. Transcript information form forwarded to pro se litigants and available to counsel at www.flmd.uscourts.gov under Forms and Publications/General. (JEV) (Entered: 12/12/2017)
12/14/2017		USCA appeal fees received $ 505 receipt number Orl-069431 re 232 Notice of appeal filed by Calamp Corp. (JEV) (Entered: 12/14/2017)
12/14/2017		TRANSMITTAL to USCA for the Federal Circuit by email to appeal@cafc.uscourts.gov forwarding notification of fee payment received re 232 Notice of appeal. (JEV) (Entered: 12/14/2017)
12/21/2017	234	TRANSCRIPT information form filed by Calamp Corp. for proceedings held on 11/24/14 before Judge Paul G. Byron re 232 Notice of appeal. USCA number: 18-1309. (Wozniak, Carrie) (Entered: 12/21/2017)
01/05/2018	235	COURT REPORTER ACKNOWLEDGMENT by Koretta Stanford re 232 Notice of appeal Estimated transcript filing date: 02/05/18. USCA number: 18-1309. (KS) (Entered: 01/05/2018)
02/12/2018	236	TRANSCRIPT of Claims Construction Hearing held on 11/24/14 before Judge Paul G. Byron re 232 Notice of appeal. Court Reporter/Transcriber Koretta Stanford, Telephone number stanarm2014@gmail.com. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date, it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 3/5/2018, Redacted Transcript Deadline set for 3/15/2018, Release of Transcript Restriction set for 5/14/2018. (KS) (Entered: 02/12/2018)
02/12/2018	237	NOTICE to counsel of filing of OFFICIAL TRANSCRIPT, Doc. 236. The parties have seven (7) calendar days to file with the court a Notice of Intent to Request Redaction of this transcript. If no such Notice is filed, the transcript may be made remotely electronically available to the public without redaction after 90 calendar days. Any party needing a copy of the transcript to review for redaction purposes may purchase a copy from the court reporter or view the document at the clerk's office public terminal. Court Reporter: Koretta Stanford. (KS) (Entered: 02/12/2018)
02/12/2018	238	NOTIFICATION that transcript has been filed by Koretta Stanford re: 232 Notice of appeal. USCA number: 18-1309. (KS) (Entered: 02/12/2018)
04/08/2019	239	OPINION of USCA as to 232 Notice of appeal filed by Calamp Corp. EOD: 04/08/19; Mandate to issue at a later date. USCA number: 18-1309. AFFIRMED-IN-PART, REVERSED-IN-PART,VACATED-IN-PART, and REMANDED. (JP) (Entered: 04/08/2019)
04/08/2019	240	MANDATE of USCA as to 232 Notice of appeal filed by Calamp Corp. Issued as Mandate: 04/08/19 USCA number: 18-1309. AFFIRMED-IN-PART, REVERSED-IN-PART, VACATED-IN-PART, and REMANDED. (JP) (Entered: 04/08/2019)
04/08/2019	241	NOTICE of hearing: Status Conference set for 4/19/2019 at 10:00 AM in Orlando Courtroom 4B before Judge Paul G. Byron. At least one attorney for each side is required to be present. Counsel shall be prepared to discuss scheduling with the Court.(GNB) copies e-mailed (Entered: 04/08/2019)
04/12/2019	242	NOTICE of Additional Appearance by David Storrs Wood on behalf of Calamp Corp. (Wood, David) (Entered: 04/12/2019)
04/19/2019	243	

		NOTICE to the parties regarding exhibit disposal. The parties are notified that they have thirty (30) days in which to contact the Courtroom Deputy Clerk to arrange for the removal of the exhibits from the custody of the Clerk's Office, or the exhibits will be disposed of, or destroyed, pursuant to Local Rule 5.04. (GNB) copies e-mailed (GNB). (Entered: 04/19/2019)
04/19/2019	244	Minute Entry. Proceedings held before Judge Paul G. Byron: STATUS CONFERENCE held on 4/19/2019. Court Reporter: Koretta Stanford (GNB) (Entered: 04/19/2019)
04/23/2019	245	Unopposed MOTION for Leif E. Peterson II to appear pro hac vice by Calamp Corp.. (Attachments: # 1 Exhibit Special Admission Attorney Certification)(Wood, David) Motions referred to Magistrate Judge Daniel C. Irick. (Entered: 04/23/2019)
04/23/2019	246	NOTICE of Plaintiff Exhibit Return re 243 Notice. Plaintiff's exhibits returned on 4/19/2019. (GNB) copies e-mailed (Entered: 04/23/2019)
04/23/2019	247	NOTICE of Defendant Exhibit Return re 243 Notice. Defendant's exhibits returned on 4/19/2019. (GNB) copies e-mailed (Entered: 04/23/2019)
04/23/2019	248	CLERK'S certificate of destruction of COURT exhibits and/or exhibit substitutes. All Court exhibits have been made available electronically. (GNB) copies e-mailed (Entered: 04/23/2019)
04/23/2019	249	ORDER granting 245 motion for Leif E. Peterson II, Esq.to appear pro hac vice. Counsel shall register for and use the electronic filing system as adopted by the Court. After this Order, the Clerk will no longer send copies of docket entries by U.S. Mail to counsel in this case. Signed by Magistrate Judge Daniel C. Irick on 4/23/2019. (DMA) (Entered: 04/23/2019)
04/24/2019		* * * PRO HAC VICE FEES paid by attorney Leif E. Peterson, II, appearing on behalf of Calamp Corp. (Filing fee $150 receipt number ORL082229.) Related document: 245 Unopposed MOTION for Leif E. Peterson II to appear pro hac vice. (JP) (Entered: 04/24/2019)
04/26/2019	250	NOTICE by Omega Patents, LLC re 244 Status Conference -- Notice Regarding Issues on Remand (Santurri, Ryan) (Entered: 04/26/2019)
05/01/2019	251	MOTION for Reconsideration and/or Clarification as to Certain Oral Statements Made at Status Conference Conducted on April 19, 2019 by Calamp Corp.. (Wood, David) (Entered: 05/01/2019)
05/01/2019	252	MOTION for clarification re 117 Order on Motion for Miscellaneous Relief by Calamp Corp.. (Wood, David) (Entered: 05/01/2019)
05/02/2019	253	TRANSCRIPT of Status Conference held on 04/19/19 before Judge Paul G. Byron. Court Reporter/Transcriber Koretta Stanford, stanarm2014@gmail.com. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER or purchased through the Court Reporter. Redaction Request due 5/23/2019; Redacted Transcript Deadline set for 6/3/2019; Release of Transcript Restriction set for 7/31/2019. (KS) (Entered: 05/02/2019)
05/02/2019	254	NOTICE to counsel of filing of OFFICIAL TRANSCRIPT, Doc. 253. The parties have seven (7) calendar days to file with the court a Notice of Intent to Request Redaction of this transcript. If no such Notice is filed, the transcript may be made remotely electronically available to the public without redaction after 90 calendar days. Any party needing a copy of the transcript to review for redaction purposes may purchase a copy from the court reporter or view the document at the clerk's office public terminal. Court Reporter: Koretta Stanford. (KS) (Entered: 05/02/2019)
05/03/2019	255	NOTICE by Omega Patents, LLC re 244 Status Conference - Notice of Filing Jury Instructions and Verdict Forms (Attachments: # 1 Exhibit A - Omega's Proposed Jury Instructions, # 2 Exhibit B - Calamp's Proposed Jury Instructions, # 3 Exhibit C - Omega's Proposed Verdict Form, # 4

		Exhibit D - Calamp's Proposed Verdict Form)(Santurri, Ryan) (Entered: 05/03/2019)
05/08/2019	256	NOTICE by Omega Patents, LLC of Filing Petition With the Federal Circuit (Attachments: # 1 Exhibit A - Combined Petition for Rehearing and Rehearing En Banc, # 2 Exhibit B - Federal Circuit Invitation on Response to Petition)(Santurri, Ryan) (Entered: 05/08/2019)
05/13/2019	257	ENDORSED ORDER re 256 Notice of Filing Petition With the Federal Circuit filed by Omega Patents, LLC. The Clerk of Court is DIRECTED to terminate all pending motions and close the file. Signed by Judge Paul G. Byron on 5/13/2019. (GNB) copies e-mailed (Entered: 05/13/2019)
05/20/2019	258	MOTION for Joel A. Kauth to withdraw as attorney by Calamp Corp.. (Kauth, Joel) Motions referred to Magistrate Judge Daniel C. Irick. (Entered: 05/20/2019)
05/21/2019	259	ENDORSED ORDER granting 258 Unopposed Motion to Withdraw. Attorney Joel A. Kauth terminated. Signed by Magistrate Judge Daniel C. Irick on 5/21/2019. (Irick, Daniel) (Entered: 05/21/2019)

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This case was appealed from
Florida Middle: 6:13-cv-01950-PGB-DCI

U.S. Circuit Court of Appeals

US Circuit Court of Appeals - Federal Circuit

18-1309

Omega Patents, LLC v. CalAmp Corp.

This case was retrieved from the court on Thursday, June 13, 2019

Header

Case Number: 18-1309
Date Filed: 12/19/2017
Date Full Case Retrieved: 06/13/2019
Status: Terminated 04/08/2019
NOS Description: (999) 830: Patent Infringement (Fed. Question); Appeal

[Summary] [Associated Cases] [Participants] [Proceedings] [Pending Motion] [Brief] [Rehearings] [History] [Additional Case]

Summary

No Information is Available for this case

Associated Cases

No Information is Available for this case

Participants

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Proceedings

Date	Details
12/19/2017	Appeal docketed. Received: 12/12/2017. [483860] Fee/IFP due on 01/02/2018. Entry of Appearance due 01/02/2018. Certificate of Interest is due on 01/02/2018. Docketing Statement due 01/02/2018. Appellant/Petitioner's brief is due 02/20/2018. [FMS]
12/21/2017	Filing fee paid in the United States District Court for the Middle District of Florida on 12/14/2017. [484638] [FMS]
12/21/2017	Entry of appearance for Brian R. Gilchrist as principal counsel for Appellee Omega Patents, LLC. Service: 12/21/2017 by email. [484837] [Brian Gilchrist]
12/21/2017	Certificate of Interest for the Appellee Omega Patents, LLC. Service: 12/21/2017 by email. [484840] [Brian Gilchrist]
12/21/2017	Entry of appearance for Ryan T. Sanfurri as of counsel for Appellee Omega Patents, LLC. Service: 12/21/2017 by email. [484844] [Ryan Santurri]
12/22/2017	NOTICE OF DEFICIENCY: The certificate of interest Document No. [4] filed by Appellee Omega Patents, LLC in 18-1309 is submitted on an outdated form and not completely filled out and therefore cannot be accepted for filing at this time. You are being afforded the opportunity to correct the deficiency. At the discretion of the court, the corrected document may be accepted for filing if received before midnight (EST) on the date of this notice. [485099] [FMS]
12/22/2017	Corrected Certificate of Interest for the Appellee Omega Patents, LLC. Service: 12/22/2017 by email. [485215] [Brian Gilchrist]
01/02/2018	Entry of appearance for Bryan C. Mulder as of counsel for Appellant CalAmp Corp.. Service: 01/02/2018 by email. [486801] [Bryan Mulder]
01/02/2018	Entry of appearance for Stephanie P. Koh as of counsel for Appellant CalAmp Corp.. Service: 01/02/2018 by email. [486805] [Stephanie Koh]
01/02/2018	Entry of appearance for Thomas D. Rein as of counsel for Appellant CalAmp Corp.. Service: 01/02/2018 by email. [486807] [Thomas Rein]
01/02/2018	Entry of appearance for Constantine L. Trela, Jr. as of counsel for Appellant CalAmp Corp.. Service: 01/02/2018 by email. [486808] [Constantine Trela]
01/02/2018	Certificate of Interest for the Appellant CalAmp Corp.. Service: 01/02/2018 by email. [486809] [Constantine Trela]
01/02/2018	Docketing Statement for the Appellant CalAmp Corp.. Service: 01/02/2018 by email. [486811] [Constantine Trela]
01/03/2018	Docketing Statement for the Appellee Omega Patents, LLC. Service: 01/03/2018 by email. [487173] [Brian Gilchrist]
01/24/2018	MOTION of Appellant CalAmp Corp. to extend the time to 04/20/2018 at 11:59 pm to file the appellant/petitioner's principal brief. Any response is due within 10 days of service [Consent: unopposed]. Service: 01/24/2018 by email. [492451] [Constantine Trela]
01/25/2018	**TEXT ONLY** ORDER granting motion to extend time to file appellant's principal brief filed by Appellant CalAmp Corp. The brief is due 04/20/2018. Service as of this date by Clerk of Court. This order has been issued without an attached document and is official and binding. [492534] [FMS]
01/25/2018	CLERK'S OFFICE QUALITY CONTROL MESSAGE: re: motion to extend time to file appellant/petitioner principal brief Docket No. , ERROR: Appellant's motion did not contain the required certificate of compliance with the word count. CORRECTION: Pursuant to FRAP 32(g)(1), motions must contain a certificate of compliance with the word count. Please ensure future motions include the certificate of compliance.. THIS MESSAGE IS FOR INFORMATIONAL PURPOSES ONLY. [492535] [FMS]
04/20/2018	TENDERED from Appellant CalAmp Corp.. Title: OPENING BRIEF. Service: 04/20/2018 by email. [515783] [18-1309] "This brief has been rejected. See Doc No. [Constantine Trela]

04/24/2018 NOTICE OF REJECTION: The brief of Appellant CalAmp Corp., Opening Brief , is not in compliance with the rules of this court and is therefore rejected for filing. Corrected Brief is due 05/08/2018. Appellee Omega Patents, LLC brief is due 05/30/2018. Service as of this date by the Clerk of Court. [516274] [JB]

04/25/2018 TENDERED from Appellant CalAmp Corp.. Title: CORRECTED OPENING BRIEF. Service: 04/25/2018 by email. [516831] [18-1309] This brief has been corrected. See Doc. No. . [Constantine Trela]

04/25/2018 CORRECTED BRIEF FILED for Appellant CalAmp Corp. . Number of Pages: 63. Service: 04/25/2018 by email. The paper copies of the brief should be received by the court on or before 05/04/2018. [517299] This brief has been corrected. See Doc. No. . [JB]

04/30/2018 6 paper copies of the Corrected Opening Brief received from Appellant CalAmp Corp. [517709] [JCP]

05/30/2018 TENDERED from Appellee Omega Patents, LLC. Title: RESPONSE BRIEF. Service: 05/30/2018 by email. [525651] [18-1309] [Brian Gilchrist]

05/30/2018 BRIEF FILED for Appellee Omega Patents, LLC . Number of Pages: 60. Service: 05/30/2018 by email. The paper copies of the brief should be received by the court on or before 06/12/2018. The reply brief is due 06/13/2018. [527008] [CFT]

06/01/2018 MOTION of Appellant CalAmp Corp. to extend the time to 07/03/2018 to file the Reply Brief. [Consent: unopposed]. Service: 06/01/2018 by email. [526313] [18-1309] [Constantine Trela]

06/05/2018 **TEXT ONLY** ORDER granting motion to extend time to file brief filed by Appellant CalAmp Corp. The reply brief is due 07/03/2018. Service as of this date by the Clerk of Court. This order has been issued without an attached document and is official and binding. [527012] [CFT]

06/11/2018 6 paper copies of the Opening Response Brief received from Appellee Omega Patents, LLC. [528408] [CJF]

07/02/2018 TENDERED from Appellant CalAmp Corp.. Title: REPLY BRIEF. Service: 07/02/2018 by email. [533227] [18-1309] [Constantine Trela]

07/02/2018 REPLY BRIEF FILED for Appellant CalAmp Corp. . Number of Pages: 33. Service: 07/02/2018 by email. The paper copies of the brief should be received by the court on or before 07/11/2018. Appendix is due 07/09/2018. [533480] [JB]

07/03/2018 Joint Statement of Compliance with Fed. Cir. R. 33 for Appellant CalAmp Corp.. Service: 07/03/2018 by email. [533467] [18-1309] [Constantine Trela]

07/05/2018 6 paper copies of the Reply Brief received from Appellant CalAmp Corp.. [533722] [CJF]

07/09/2018 TENDERED from Appellant CalAmp Corp.. Title: JOINT APPENDIX. Service: 07/09/2018 by email. [534405] [18-1309] [Constantine Trela]

07/09/2018 APPENDIX FILED (4 vols.) for CalAmp Corp. . Number of Pages: 2131. Service: 07/09/2018 by email. The paper copies of the brief should be received by the court on or before 07/18/2018. [535170] [SMJ]

07/11/2018 Pursuant to Practice Note 34, counsel should advise the clerk of court of scheduling conflicts for the next three court weeks, or thereafter. When filing the notice of conflicts, counsel should docket the Notice Regarding Conflicts with Argument Dates event, which is found in the Calendar event category.. [535173] [SMJ]

07/12/2018 6 paper copies of the Joint Appendix Brief (Vol. I - IV) received from Appellant CalAmp Corp.. [535445] [CJF]

07/13/2018 Notice from Appellee Omega Patents, LLC regarding conflicts with oral argument (October 4 and October 5, 2018). Service: 07/13/2018 by email. [535872] [18-1309] [Ryan Santurri]

07/16/2018 Notice from Appellant CalAmp Corp. regarding conflicts with oral argument (not available for oral argument on December 5 or 6, 2018.). Service: 07/16/2018 by email. [536018] [18-1309] [Constantine Trela]

11/02/2018 Citation of Supplemental Authority pursuant to Fed. R. App. P. 28(j) for Appellant CalAmp Corp.. Service: 11/02/2018 by email. [562151] [18-1309] [Constantine Trela]

11/19/2018 NOTICE OF ORAL ARGUMENT. Panel: 1901I. Case scheduled Jan 09, 2019 10:00 a.m. at the United States Court of Appeals for the Federal Circuit (Howard T. Markey National Courts Building, 717 Madison Place, NW Washington, DC 20439), Courtroom 203. Response to Notice of Oral Argument due: 12/17/2018. Please review the attached Notice. The response to notice of oral argument form can be found here. The Oral Argument Guide can be found here. [566358] [JAB]

11/21/2018 Response to notice of oral argument from the Appellant CalAmp Corp.. [567091] [18-1309] [Constantine Trela]

11/21/2018 Response to notice of oral argument from the Appellee Omega Patents, LLC. [567171] [18-1309] [Brian Gilchrist]

12/06/2018 MODIFIED ENTRY: CORRECTED BRIEF FILED for Appellant CalAmp Corp. Number of Pages: 63. Service: 12/06/2018 by email. The paper copies of the corrected brief should be received by the court on or before 12/17/2018. [570040]--[Edited 12/10/2018 by JAB - compliance review complete] [Constantine Trela]

12/10/2018 Notice of Correction to the Brief Doc No. for Appellant CalAmp Corp. Service: 12/10/2018 by email. [570479] [18-1309]--[Edited 12/10/2018 by JAB to correct docket text] [Constantine Trela]

12/11/2018 6 paper copies of the Corrected Opening Brief received from Appellant CalAmp Corp.. [570889] [CJF]

01/09/2019 Submitted after ORAL ARGUMENT by Constantine L. Trela, Jr. for CalAmp Corp. and Brian R. Gilchrist for Omega Patents, LLC. Panel: Judge: Prost , Judge: Dyk , Judge: Wallach. [576901] [JAB]

01/15/2019 Citation of Supplemental Authority pursuant to Fed. R. App. P. 28(j) for Appellant CalAmp Corp.. Service: 01/15/2019 by email. [578106] [18-1309] [Constantine Trela]

01/28/2019 MODIFIED ENTRY: RESPONSE of Appellee Omega Patents, LLC to the supplemental authority filed by Appellant CalAmp Corp. in 18-1309. Service: 01/28/2019 by email. [581511]--[Edited 01/29/2019 by JCA - Reason: to reflect correct filing event] [Brian Gilchrist]

04/08/2019 OPINION filed for the court by Prost, Chief Judge; Dyk, Circuit Judge and Wallach, Circuit Judge. Precedential Opinion. [598345] [PBC]

04/08/2019 JUDGMENT filed. AFFIRMED-IN-PART, REVERSED-IN-PART, VACATED-IN-PART, AND REMANDED. Terminated on the merits after oral argument. COSTS: No Costs. Mandate to issue in due course. For information regarding costs, petitions for rehearing, and petitions for writs of certiorari click here. [598349] [PBC]

05/06/2019 Petition for en banc rehearing, for panel rehearing filed by Appellant CalAmp Corp.. Service: 05/06/2019 by email. The paper copies of the petition must be filed within two business days (see Fed. Cir. R. 35(c)(4).The required paper copies should be received by the court on or before 05/08/2019 [605224] [18-1309] [Constantine Trela]

05/07/2019

	The court invites a response from Appellee Omega Patents, LLC to the petition for panel rehearing, petition for en banc rehearing filed by Appellant in 18-1309. The response is due on or before 05/21/2019. [605384] [JAB]
05/07/2019	18 paper copies of the petition for en banc rehearing , petition for panel rehearing received from Appellant CalAmp Corp. [605462] [PBC]
05/21/2019	RESPONSE of Appellee Omega Patents, LLC to the petition filed by Appellant CalAmp Corp., petition filed by Appellant CalAmp Corp.. Service: 05/21/2019 by email. [608833] [18-1309] [Brian Gilchrist]
05/30/2019	Notice to counsel for Appellee Omega Patents, LLC: The record of this case indicates that the paper copies of the response to rehearing petition (see Fed. Cir. R. 35(c)(4)) have not been filed. The required paper copies should be received by the court on or before 06/03/2019. Service as of this date by the Clerk of Court. [610338] [JAB]
05/31/2019	18 paper copies of the response received from Appellee Omega Patents, LLC. [610688] [JAB]

Pending Motion

No Information is Available for this case

Brief

No Information is Available for this case

Rehearings

No Information is Available for this case

History

No Information is Available for this case

Additional Case

Additional Case Information

Civil Private

Appeal from: United States District Court for the Middle District of Florida

District: 113A Division: 6 CaseNumber: 6:13-cv-01950-PGB-DCI DateFiled: 12/20/2013

Trial Judge: Paul G. Byron , Judge

Date NOA Filed: 12/11/2017

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News (8) Sort by: Relevance

1. US Patent Issued to Omega Patents on Oct. 4 for "Vehicle Tracking Unit with Downloadable Codes and Associated Methods" (Georgia Inventor)

   US Fed News | Oct 10, 2011 | 267 words
   ... 2007, under Application No. 11/773,272. For further information please visit: http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnetahtml%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&co1=AND&d=PTXT&s1=**8032278**&OS=**8032278**&RS=**8032278** For any query with respect to this article or any other ...
   ... Va. , Oct. 10 -- United States Patent no. **8,032,278** , issued on Oct. 4, was assigned to Omega Patents LLC ...

2. U.S. Patents Awarded to Inventors in Georgia (Oct. 6)

   Targeted News Service | Oct 06, 2011 | Targeted News Service Targeted News Service | 2486 words | Targeted News Service Targeted News Service
   ... (11/773,272). The full-text of the patent can be found at http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnetahtml%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&co1=AND&d=PTXT&s1=**8,032,278**&OS=**8,032,278**&RS=**8,032,278** Written by Satyaban Rath; edited by Hemanta Panigrahi. *** Emory University ...
   ... -- Omega Patents, Douglasville, Ga., has been assigned a patent (**8,032,278**) developed by Kenneth E. Flick, Douglasville, Ga., for "vehicle tracking ...

3. Omega Patents Assigned Patent

   Targeted News Service | Oct 06, 2011 | Targeted News Service | 282 words | Targeted News Service
   ... (11/773,272). The full-text of the patent can be found at http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnetahtml%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&co1=AND&d=PTXT&s1=**8,032,278**&OS=**8,032,278**&RS=**8,032,278** Written by Satyaban Rath; edited by Hemanta Panigrahi. For more information ...
   ... -- Omega Patents, Douglasville, Ga., has been assigned a patent (**8,032,278**) developed by Kenneth E. Flick, Douglasville, Ga. , for "vehicle ...

4. 中粮糖业4月15日开盘涨幅达5%

   WebNews - Chinese | Apr 15, 2019 | NEWS | 155 words

5. Fed. Circ. Orders New Trial In $15M Vehicle Tracking IP Case

WebNews - English | Apr 09, 2019 | Matthew Bultman | NEWS | 698 words

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6. PTO Litigation Center Report - September 15, 2015

Newstex Blogs | Sep 15, 2015 | Sterne Kessler Goldstein Fox | 515 words | Sterne Kessler Goldstein Fox
... 3600<nl/>Newly-Posted Reexam Requests<nl/>Control # - 90/013,587<nl/>Date - 9/14/2015<nl/>Patent # - **8,032,278** <nl/>Inventor - FLICK, Kenneth E.<nl/>Assignee - OMEGA PATENTS, L.L.C. <nl/>Title - ...

---

7. District Court Rules Plaintiff Need Not Come Forward with Evidence of Priority Date Earlier than Patent Application Until Defendant Produces Clear and Convincing Evidence of Invalidating Prior Art and Summary Chart Is Not Sufficient

Newstex Blogs | Feb 03, 2016 | Jeffer Mangels Butler Mitchell LLP | 185 words | Jeffer Mangels Butler Mitchell LLP
... Patent No. 7,671,727 ("the '727 Patent"), and U.S. Patent No. **8,032,278** ("the '278 Patent"). The patents relate to control systems for vehicles ...

---

8. Omega Patents Wraps up One Case and Launches Another

Newstex Blogs | Mar 11, 2013 | 476 words
... products infringe U.S. Patent No. 6,346,876[6], U.S. Patent No. 7,671,727[7], U.S. Patent No. **8,032,278** [8], and U.S. Patent No. 8,362,886[9]. According to the complaint, Kenneth Flick ...

Content type: News
Terms: 8032278 or 8,032,278
Search Type: Boolean - Fewer Results
Narrow By: None
Date and Time: Jun 13, 2019 03:01:50 p.m. EDT

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REEXAM CONTROL NUMBER	FILING OR 371 (c) DATE	PATENT NUMBER
90/014,309	05/24/2019	8032278

CONFIRMATION NO. 8724

REEXAM ASSIGNMENT NOTICE

CHRISTOPHER F. REGAN, ESQUIRE
ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, PA
PO BOX 3791
ORLANDO, FL 32802-3791

OC000000108597507

Date Mailed: 05/31/2019

NOTICE OF ASSIGNMENT OF REEXAMINATION REQUEST

The above-identified request for reexamination has been assigned to Art Unit 3993. All future correspondence to the proceeding should be identified by the control number listed above and directed to the assigned Art Unit.

A copy of this Notice is being sent to the latest attorney or agent of record in the patent file or to all owners of record. (See 37 CFR 1.33(c)). If the addressee is not, or does not represent, the current owner, he or she is required to forward all communications regarding this proceeding to the current owner(s). An attorney or agent receiving this communication who does not represent the current owner(s) may wish to seek to withdraw pursuant to 37 CFR 1.36 in order to avoid receiving future communications. If the address of the current owner(s) is unknown, this communication should be returned within the request to withdraw pursuant to Section 1.36.

NOTICE OF USPTO EX PARTE REEXAMINATION PATENT OWNER STATEMENT WAIVER PROGRAM

The USPTO has implemented a pilot program where, after a reexamination proceeding has been granted a filing date and before the examiner begins his or her review, the patent owner may orally waive the right to file a patent owner's statement. See *"Pilot Program for Waiver of Patent Owner's Statement in Ex Parte Reexamination Proceedings,"* 75 FR 47269 (August 5, 2010). One goal of the pilot program is to reduce the pendency of reexamination proceedings and improve the efficiency of the reexamination process.

Ordinarily when ex parte reexamination is ordered, the USPTO must wait until after the receipt of the patent owner's statement and the third party requester's reply, or after the expiration of the time period for filing the statement and reply (a period that can be as long as 5 to 6 months), before mailing a first determination of patentability. The USPTO's first determination of patentability is usually a first Office action on the merits or a Notice of Intent to Issue Reexamination Certificate (NIRC).

Under the pilot program, the patent owner's oral waiver allows the USPTO to act on the first determination of patentability immediately after determining that reexamination will be ordered, and in a suitable case issue the reexamination order and the first determination of patentability (which could be a NIRC if the claims under reexamination are confirmed) at the same time.

Benefits to the Patent Owner for participating in this pilot program include reduction in pendency.

To participate in this pilot program, Patent Owners may contact the USPTO's Central Reexamination Unit (CRU) at 571-272-7705. The USPTO will make the oral waiver of record in the reexamination file in an interview summary and a copy will be mailed to the patent owner and any third party requester.

cc: Third Party Requester(if any)
KPPB LLP, (CALAMP)
2190 S. TOWNE CENTRE PLACE
SUITE 300
ANAHEIM, CA 92806

/rbell/

Legal Instruments Examiner
Central Reexamination Unit 571-272-7705; FAX No. 571-273-9900

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REEXAM CONTROL NUMBER	FILING OR 371 (c) DATE	PATENT NUMBER
90/014,309	05/24/2019	8032278

CONFIRMATION NO. 8724

REEXAMINATION REQUEST NOTICE

KPPB LLP, (CALAMP)
2190 S. TOWNE CENTRE PLACE
SUITE 300
ANAHEIM, CA 92806

OC000000108597505

Date Mailed: 05/31/2019

NOTICE OF REEXAMINATION REQUEST FILING DATE

(Third Party Requester)

Requester is hereby notified that the filing date of the request for reexamination is 05/24/2019, the date that the filing requirements of 37 CFR § 1.510 were received.

A decision on the request for reexamination will be mailed within three months from the filing date of the request for reexamination. (See 37 CFR 1.515(a)).

A copy of the Notice is being sent to the person identified by the requester as the patent owner. Further patent owner correspondence will be the latest attorney or agent of record in the patent file. (See 37 CFR 1.33). Any paper filed should include a reference to the present request for reexamination (by Reexamination Control Number).

cc: Patent Owner
CHRISTOPHER F. REGAN, ESQUIRE
ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, PA
PO BOX 3791
ORLANDO, FL 32802-3791

/rbell/

Legal Instruments Examiner
Central Reexamination Unit 571-272-7705; FAX No. 571-273-9900

Patent Assignment Abstract of Title

Total Assignments: 1

Application #: 11773272 **Filing Dt:** 07/03/2007 **Patent #:** 8032278 **Issue Dt:** 10/04/2011
PCT #: NONE **Intl Reg #:** **Publication #:** US20070279283 **Pub Dt:** 12/06/2007
Inventor: Kenneth E. Flick
Title: VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS

Assignment: 1

Reel/Frame: 019515 / 0350 **Received:** 07/03/2007 **Recorded:** 07/03/2007 **Mailed:** 07/03/2007 **Pages:** 3
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).
Assignor: FLICK, KENNETH E., MR. **Exec Dt:** 07/02/2007
Assignee: OMEGA PATENTS, L.L.C.
5326 PRESLEY PLACE
DOUGLASVILLE, GEORGIA 30135
Correspondent: CHRISTOPHER F. REGAN
255 S. ORANGE AVENUE
SUITE 1401
ORLANDO, FL 32801

Search Results as of: 05/28/2019 10:20 AM

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Web interface last modified: Jun 26, 2017 v.2.6

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REQUEST FOR *EX PARTE* REEXAMINATION TRANSMITTAL FORM

Address to:
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P.O. Box 1450
Alexandria, VA 22313-1450

Attorney Docket No.: C13-03896.RE3

Date: May 24, 2019

1. ☒ This is a request for *ex parte* reexamination pursuant to 37 CFR 1.510 of patent number 8,032,278 issued October 4, 2011. The request is made by:
   ☐ patent owner. ☒ third party requester.

2. ☒ The name and address of the person requesting reexamination is:
   David J. Bailey
   KPPB LLP
   2190 S. Towne Centre Place, Suite 300, Anaheim, CA 92806

3. Requester ☐ asserts small entity status (37 CFR 1.27) or ☐ certifies micro entity status (37 CFR 1.29). Only a patent owner requester can certify micro entity status. Form PTO/SB/15A or B must be attached to certify micro entity status.

4. This request is accompanied by payment of the reexamination fee as set forth in:
   ☒ 37 CFR 1.20(c)(2); **or**
   ☐ 37 CFR 1.20(c)(1). **In checking this box for payment of the fee set forth in 37 CFR 1.20(c)(1), requester asserts that this request has forty (40) or fewer pages and complies with all other requirements of 37 CFR 1.20(c)(1).**

   Payment of the reexamination fee is made by the method set forth below.
   a. ☐ A check in the amount of $_____ is enclosed to cover the reexamination fee;
   b. ☐ The Director is hereby authorized to charge the reexamination fee to Deposit Account No. _____;
   c. ☐ Payment by credit card. Form PTO-2038 is attached; **or**
   d. ☒ Payment made via EFS-Web.

   ☒ In addition, the Director is hereby authorized to charge any fee deficiencies to Deposit Account No. 50-4407.

5. ☒ Any refund should be made by ☐ check or ☒ credit to Deposit Account No. 50-4407. 37 CFR 1.26(c). If payment is made by credit card, refund must be to credit card account.

6. ☒ A copy of the patent to be reexamined having a double column format on one side of a separate paper is enclosed. 37 CFR 1.510(b)(4).

7. ☐ CD-ROM or CD-R in duplicate, Computer Program (Appendix) or large table
   ☐ Landscape Table on CD

This collection of information is required by 37 CFR 1.510. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) a request for reexamination. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 18 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Mail Stop *Ex Parte* Reexam, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
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8. ☐ Nucleotide and/or Amino Acid Sequence Submission
If applicable, items a. – c. are required.
   a. ☐ Computer Readable Form (CRF)
   b. Specification Sequence Listing on:
      i. ☐ CD-ROM (2 copies) or CD-R (2 copies) **or**
      ii. ☐ paper
   c. ☐ Statements verifying identity of above copies.

9. ☒ A copy of any disclaimer, certificate of correction or reexamination certificate issued in the patent is included.

10. ☒ Reexamination of claim(s) 1-22 is requested.

11. ☒ A copy of every patent or printed publication relied upon is submitted herewith including a listing thereof on Form PTO/SB/08, PTO-1449, or equivalent.

12. ☒ An English language translation of all necessary and pertinent non-English language patents and/or printed publications is attached.

13. ☒ The attached detailed request includes at least the following items:
   a. A statement identifying each substantial new question of patentability based on prior patents and printed publications. 37 CFR 1.510(b)(1).
   b. An identification of every claim for which reexamination is requested, and a detailed explanation of the pertinency and manner of applying the cited art to every claim for which reexamination is requested. 37 CFR1.510(b)(2).

14. ☐ A proposed amendment is included (only where the patent owner is the requester). 37 CFR 1.510(e).

15. ☒ It is certified that the statutory estoppel provisions of 35 U.S.C. 315(e)(1) or 35 U.S.C. 325(e)(1) do not prohibit requester from filing this *ex parte* reexamination request. 37 CFR 1.510(b)(6).

16. Service
   a. ☒ It is certified that a copy of this request (if filed by other than the patent owner) has been served in its entirety on the patent owner as provided in 37 CFR 1.33(c).

      The name and address of the party served are:
      ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, P.A.
      P.O. Box 3791
      Orlando FL 32802-3791
      Date of Service: XXXXXXX

   OR

   b. ☐ A duplicate copy is enclosed since service on patent owner was not possible. An explanation of the efforts made to serve patent owner **is attached**. See MPEP 2220.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

17. Correspondence Address: Direct all communication about the reexamination to:

☒ The address associated with Customer Number: 150739

OR

☐ Firm or Individual Name _____
(at the address identified below)

Address

City	State	Zip

Country

Telephone	Email

18. ☒ The patent is currently the subject of the following concurrent proceeding(s):

a. ☐ Copending reissue Application No. _____

b. ☐ Copending reexamination Control No. _____

c. ☐ Copending Interference No. _____

d. ☒ Copending litigation styled:
Omega Patents, LLC v. CalAmp Corp., No. 6:13-cv-1950-PGB-DAB (M.D. Fla. Dec. 20, 2013)

WARNING : Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

/David J. Bailey/	May 24, 2019
Authorized Signature	Date
David J. Bailey	59,632
Typed/Printed Name	Registration No.

☐ For Patent Owner Requester ☒ For Third Party Requester

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent No. 8,032,278

Issued:	October 4, 2011	Reexamination Control No.:	Not Yet Assigned
Filed:	July 3, 2007	Examiner:	Nguyen, Cuong H.
Applicant:	Omega Patents, L.L.C.	Art Unit:	3661
Title:	Vehicle Tracking Unit with Downloadable Codes and Associated Methods		

Mail Stop "Ex Parte Re Examination"
Office of Patent Legal Affairs
ATTN: Central Reexamination Unit
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Request for *Ex Parte* Reexamination of U.S. Patent 8,032,278

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I. INTRODUCTION

CalAmp Corp. (hereinafter, "Requester") requests (hereinafter, "this Request") reexamination under 35 U.S.C. §§ 301-307 and 37 C.F.R. § 1.510 *et seq.* of claims 1 through 22 of U.S. Patent No. 8,032,278 (hereinafter, "Flick '278 patent"), a copy of which is attached as Exhibit A. The Flick '278 patent was filed July 3, 2007, and issued on October 4, 2011. Therefore, the Flick '278 patent falls within the pre-AIA statutory provisions[1]. The Flick '278 patent lists Kenneth E. Flick as the sole inventor, and is believed to be currently assigned to Omega Patents, L.L.C. (hereinafter, "Patent Owner"). Requester has previously requested *ex parte* reexamination of the Flick '278 patent. *See ex parte* Reexamination No. 90/013,587 (filed September 14, 2015 and concluding with a Reexamination Certificate being issued on December 28, 2016) (hereinafter, the "'278 First Reexam") and *ex parte* Reexamination No. 90/013,851 (filed October 28, 2016 and concluding with a Reexamination Certificate being issued on February 6, 2019) (hereinafter, the "'278 Second Reexam").

Requester submits that prior art references including the Cell Port Labs Press Release, Spelt, Jones, and others are material and raise substantial new questions regarding the patentability of the Flick '278 patent. Given that the Patent Owner was aware of the Cell Port Labs Press Release, Spelt, and Jones references at least as early as October 2017, Patent Owner's failure to cite the Cell Port Labs Press Release, Spelt, and Jones references in the '278 Second Reexam necessitates the filing of this additional Request. [2]

---

[1] All references to statutory language in this Request shall reference pre-AIA versions unless explicitly noted.

[2] The USPTO has previously noted Patent Owner's failure to file Information Disclosure Statements in compliance with its duty of disclosure according to MPEP § 2001 in *ex parte* reexaminations. *See* Final Rejection dated July 19, 2017 in the '278 First Reexam ("it is noted that the Chou '499 reference is not of record in any of the related copending reexaminations.").

The Cell Port Labs Press Release, Spelt, and Jones establish that, more than a year prior to the earliest priority date of the Flick '278 patent, the Society of Automotive Engineers was providing demonstrations of multi-vehicle compatibility and hosting competitions for companies to demonstrate the extent of their device's multi-vehicle compatibility. *See generally*, Spelt (disclosing the Demo98 demonstration conducted by the SAE with automotive manufacturers and industry participants, including Cell Port Labs). The materiality of the Cell Port Labs Press Release, Spelt, and Jones references is highlighted by the fact that they were relied upon to issue Final Rejections in the *ex parte* reexamination proceedings of two of Patent Owner's other patents claiming similar subject matter, U.S. Patent No. 6,346,876 (*see* Final Rejection dated November 16, 2018 and subsequent Advisory Actions dated January 29, 2019 and March 29, 2019 in Control No. 90/014,122, filed April 19, 2018) (the "Flick '876 Reexam") and U.S. Patent No. 6,756,885 (*see* Final Rejection dated November 9, 2018 and subsequent Advisory Action dated February 4, 2019 in Control No. 90/014,038, filed October 26, 2017) (the "Flick '885 Reexam").

In addition, Requester notes that the "Background of the Invention" section of the Flick '278 patent acknowledges that the "multi-vehicle compatible controller" and "downloading interface for permitting downloading of enabling data" recited in the claims of the Flick '278 patent were known at the time of the filing of the Flick '278 patent. Specifically, patents including U.S. Patent No. 5,719,551, which issued February 17, 1998, and U.S. Patent No. 6,756,885 are identified as Applicant Admitted Prior Art disclosing the claimed "multivehicle compatible controller" and "downloading interface". The novelty of the Flick '278 patent is asserted as being the incorporation of these prior art techniques into vehicle tracking units:

> "A number of patents disclose various security and control systems that address data bus interoperability. For example, **U.S. Pat No. 5,719,551, assigned**

> **to Omega Patents, LLC, the assignee of the present invention, discloses a vehicle security system for a vehicle including a data bus connecting a plurality of vehicle devices**. A signal enabling circuit enables the alarm controller to operate using a set of desired signals selected from a plurality of possible sets for different vehicles. **U.S. Pat. No. 6,011,460, assigned to Omega Patents, LLC, discloses a similar system where the set of desired signals from the plurality of different sets of signals for different vehicles is obtained, such as by connection and communication with a downloading device**. Additionally, **U.S. Pat. No. 6,756,885, also assigned to Omega Patents, LLC, discloses a multi-vehicle control system whereby a multi-vehicle compatible controller stores a set of device codes for a given vehicle device for a plurality of different vehicles.** Device codes are read from the data communications bus, and a match between a read device code and the stored device codes is determined to provide compatibility with different vehicles.
>
> **Unfortunately, such advanced techniques for dealing with multiple device codes for a vehicle having a data communications bus have not yet been developed for vehicle tracking units**."

Flick '278 patent, col. 2, lines 17-41 (emphasis added).

The Final Rejection of the Flick '885 patent based upon vehicle tracking prior art demonstrates the obviousness of incorporating the previously known "multi-vehicle compatible controller" and "downloading interface" claimed in the Flick '278 patent into vehicle tracking units. Accordingly, the Cell Port Labs Press Release, Spelt, and Jones necessarily present previously-considered prior art references in a new light by conclusively establishing that persons of ordinary skill in the art during the relevant time period were motivated to achieve multi-vehicle compatibility and did in fact incorporate the claimed "multi-vehicle compatible controller" and "downloading interface for permitting downloading of enabling data" into vehicle tracking units. *See, e.g.*, Final Rejection dated November 9, 2018 from the Flick '885 Reexam.

Finally, Requester submits that the Flick '278 patent is not entitled to its priority date, and that the earliest priority date the Flick '278 patent is entitled to is July 3, 2007.

II. THE CLAIMS OF THE FLICK '278 PATENT ARE NOT ENTITLED TO THE BENEFIT OF EARLIER PRIORITY DATES

Before discussing newly identified prior art references that raise additional substantial new questions of patentability with respect to claims 1 - 22 of the Flick '278 patent, Requester observes that claims 1 through 22 of the Flick '278 patent are not entitled to the benefit of the priority dates of any of the applications to which the Flick '278 claims priority.

The Patent Office has previously determined that the priority date of the Flick '278 patent is July 3, 2007 in the '278 First Reexam. *See* Reexam – NonFinal Action, dated May 6, 2016 p. 2 ("The Flick '278 Patent is a continuation in part of application 11/076,259. This parent application did not disclose or claim the multi-vehicle capability and the bus extending throughout the vehicle as described and claimed in the Flick '278. Accordingly, the earliest effective filing date for Flick '278 is July 3, 2007."). This determination of priority date by the Patent Office does not appear to have been disputed by the Patent Owner in any later events in the '278 First Reexam. Subsequently, the Patent Office reaffirmed this priority date in the '278 Second Reexam. *See* Determination – Reexam Ordered, dated December 15, 2016, p. 5 ("The earliest effective filing date the '278 patent is entitled to is July 3, 2007 (see paragraph 2 of the 5/6/2016 non-final rejection of the 90/013,587 discussed infra)."). Accordingly, Requester respectfully agrees for the reasons set out below.

A. *New Material Added and Claimed in the Flick '278 Patent*

MPEP § 201.08 states "[a] continuation-in-part is an application filed during the lifetime of an earlier nonprovisional application, repeating some substantial portion or all of the earlier nonprovisional application and adding matter not disclosed in the said earlier nonprovisional application." MPEP § 211.05(B) states "[o]nly the claims of the continuation-in-part application

that are disclosed in the manner provided by 35 U.S.C. § 112(a) in the prior-filed application are entitled to the benefit of the filing date of the prior-filed application. If there is a continuous chain of copending nonprovisional applications, each copending application must disclose the claimed invention of the later-filed application in the manner provided by 35 U.S.C. § 112(a) in order for the later-filed application to be entitled to the benefit of the earliest filing date." Priority is claimed in the Flick '278 patent as follows (notations added in parenthesis):

> "The present application is a continuation-in-part of U.S. patent application Ser. No. 11/076,259 filed Mar. 9, 2005 now U.S. Pat. No. 7,720,597 (the Flick '597 patent, Exhibit L), which is a continuation of U.S. patent application Ser. No. 10/383,496 filed Mar. 7, 2003 now U.S. Pat. No. 7,149,623 (the Flick '623 patent, Exhibit M), which is a continuation of U.S. patent application Ser. No. 09/859,972 filed on May 17, 2001 now U.S. Pat. No. 6,606,561 (the Flick '561 patent, Exhibit N) which, in turn, was based upon provisional patent application Ser. Nos. 60/264,811 filed on Jan. 29, 2001 (the Flick '811 provisional, Exhibit O); 60/258,005, filed Dec. 22, 2000 (the Flick '005 provisional, Exhibit P); 60/251,552, filed Dec. 6, 2000 (the Flick '552 provisional, Exhibit Q); 60/252, 125, filed Nov. 20, 2000 (the Flick '125 provisional, Exhibit R); 60/236,890, filed Sep. 29, 2000 (the Flick '890 provisional, Exhibit S); 60/246,463, filed Nov. 7, 2000 (the Witham provisional, Exhibit T); 60/222,777, filed Aug. 3, 2000 (the Flick '777 provisional, Exhibit U); and 60/205,178, filed May 17, 2000 (the Flick '178 provisional, Exhibit V), the entire contents of each of which are incorporated herein by reference."

Requester notes that FIGS. 10 - 15 and the accompanying discussion beginning on col. 23, line 41 first appear in the Flick '278 patent. Specifically, claim 1 of the Flick '278 patent requires a "multi-vehicle compatible controller to be coupled to the vehicle data bus **for communication thereover with at least one vehicle device using at least one corresponding vehicle device code** from among a plurality thereof for different vehicles" and further requires "a downloading interface for permitting downloading of **enabling data related to the at least one corresponding vehicle device code** for use by said multi-vehicle compatible controller." Flick '278 patent, claim 1 (emphasis added). Similar language appears in independent claims 13 and 18 of the Flick '278 patent. Requester notes that support for the

cited aspects of claim 1 first appear in FIGS. 10 - 15 and col. 24, line 41 through col. 25, line 13 of the Flick '278 patent. None of the figures or the associated disclosure appears in any of the applications to which the Flick '278 patent claims priority.

B. ***Failure of the Flick '005 Provisional to Disclose Claims 1-22***

The Flick '005 provisional (filed Dec. 22, 2000) contains the following disclosure (notations added in parenthesis):

> "In all of the embodiments and variations described herein, the tracking device may communicate with one or more other vehicle devices via a vehicle data communications bus. Further aspects of interfacing with a vehicle data communications bus are described in U.S. Patent Nos. 5,719,551 and 6,011,460 assigned to the assignee of the present invention." (Flick '005 provisional, p. 35, lines 22 - 29).

To the extent Patent Owner may attempt to utilize the disclosure of the Flick '551 patent or the Flick '460 patent to support the cited claim language, Requester respectfully notes that MPEP § 608.01 states:

> "Mere reference to another application, patent, or publication is not an incorporation of anything therein into the application containing such reference for the purpose of the disclosure required by 35 U.S.C. 112. In re de Seversky, 474 F.2d 671, 177 USPQ 144 (CCPA 1973). 37 CFR 1.57(c)(1) limits a proper incorporation by reference (except as provided in 37 CFR 1.57(b)) to instances only where the perfecting words "incorporated by reference" or the root of the words "incorporate" (e.g., incorporating, incorporated) and "reference" (e.g., referencing) appear."

Accordingly, the disclosures of the Flick '551 patent and the Flick '460 patent do not form part of the disclosure of the Flick '005 provisional. The Flick '005 provisional does not make any statements attempting to incorporate the disclosure of either the Flick '551 patent or the Flick '460 patent by reference in a manner satisfying the requirements of 37 CFR § 1.57.

Despite generally referencing that "the tracking device may communicate with one or more other vehicle devices via a vehicle data communications bus," Applicant respectfully

submits that the Flick '005 provisional does not provide written description support for claims 1 - 22 of the Flick '278 patent. Specifically, the Flick '005 provisional fails to disclose a "multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles" and "a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller." Accordingly, claims 1 - 22 of the Flick '278 patent are not entitled to the benefit of the filing date of the Flick '005 provisional.

C. ***Failure of the Flick '811 Provisional to Disclose Claims 1-22***

The Flick '811 provisional (filed Jan. 29, 2001) makes the following statement regarding communicating via a vehicle data communication bus, similar to that made in the Flick '005 provisional:

> "In all of the embodiments and variations described herein, the tracking device may communicate with one or more other vehicle devices via a vehicle data communications bus. Further aspects of interfacing with a vehicle data communications bus are 15 described in U.S. Patent Nos. 5,719,551 and 6,011,460 assigned to the assignee of the present invention." (Flick '811 provisional, p. 35, lines 10 - 16).

For reasons including those stated above with respect to the Flick '005 provisional, Requester respectfully submits that the '811 provisional fails to provide written description support for claims 1 - 22 of the Flick '278 patent for reasons including that the Flick '811 provisional does not disclose a "multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device **using at least one corresponding vehicle device code from among a plurality thereof for different vehicles**" or "a downloading interface for permitting downloading of **enabling data related to the at least**

one corresponding vehicle device code for use by said multi-vehicle compatible controller." Accordingly, claims 1 - 22 of the Flick '278 patent are not entitled to the benefit of the filing date of the Flick '811 provisional.

D. ***Failure of Flick '597, Flick '623, and/or Flick '561 Patents to Disclose Claims 1-22***

As outlined above, claims 1 - 22 of the Flick '278 patent are not entitled to the benefit of the priority dates of any of the provisional applications to which the Flick '278 patent claims priority. Requester is also unable to locate any language or support in any of the Flick '597 patent, Flick '623 patent, and/or Flick '561 patent for the language of claims 1 - 22 of the Flick '278 patent. Additionally, Applicant respectfully notes that no attempt to incorporate the Flick '551 or Flick '460 patents by reference is made in the Flick '597 patent, the Flick '623 patent, or the Flick '561 patent.

As noted above, claims 1 - 22 of the Flick '278 patent rely upon new figures and disclosure first added to the Flick '278 patent for support. None of the Flick '597, Flick '623, or Flick '561 patents disclose a "multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles" or "a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller." Accordingly, Requester respectfully submits that claims 1 - 22 of the Flick '278 patent are not entitled to claim priority to the filing dates of the Flick '597 patent, the Flick '623 patent, or the Flick '561 patent. Thus, Requester submits that the earliest priority date to which any of claims 1 - 22 of the Flick '278 patent are entitled to is July 3, 2007 (i.e. the filing date of the Flick '278 patent).

III. REEXAMINATION REQUEST SATISFIES REQUIREMENTS OF 37 C.F.R. § 1.510(B)

37 C.F.R. § 1.510(b)(1): A statement of each substantial new question of patentability with respect to the relevant prior patents and printed publications is provided in Section VI of this Request.

37 C.F.R. § 1.510(b)(2): Reexamination of claims 1 through 22 of the Flick '278 patent is requested as discussed in Section VI. A detailed explanation of the proper application of the prior art to each claim element accompanied with a set of proposed rejections based on such application is provided in Section VII by reference to the claim charts in Exhibits D and E.

37 C.F.R. § 1.510(b)(3): This reexamination request is based on the prior art references listed below and attached as Exhibits listed in Section V of this Request. A copy of every patent or printed publication relied upon is attached as an Exhibit and is listed in a PTO/SB/42 form submitted herewith, with the exception of U.S. Patents which are listed in the PTO/SB/42 form only per "Best Practices and FAQs for filing requests for reexamination complaint with 37 C.F.R. 1.510 and 1.915" dated May 2010.

37 C.F.R. § 1.510(b)(4): A copy of the Flick '278 patent is attached as Exhibit A. A copy of the reexamination certificate from the '278 First Reexam is attached as Exhibit B, and a copy of the reexamination certification from the '278 Second Reexam is attached as Exhibit C.

37 C.F.R. § 1.510(b)(5): A certificate of service confirming service of this reexamination request in its entirety on the attorney of record is provided on the last page of this reexamination request.

37 C.F.R. § 1.510(b)(6): Requester hereby certifies that the statutory estoppel provisions of 35 U.S.C. § 315(e)(1) or 35 U.S.C. § 325(e)(1) do not prohibit the requester from filing the *ex parte* reexamination request.

The fee for this Request has been paid by credit card as part of the EFS-WEB submission.

IV. RELATED LITIGATION

To the best of Requester's knowledge, Patent Owner has asserted the Flick '278 patent in the following related prior or co-pending litigation:

- Omega Patents, LLC v. Enfora, Inc., N.D. Ga, No. 1:13-cv-00646-TWT;
- Omega Patents, LLC v. Enfora, Inc., N.D. Ga, No. 1:17-cv-02769-TWT; and
- Omega Patents, LLC v. CalAmp Corp., M.D. Fla., Orlando Division, No. 6:-13-cv-1950-PGB-DAB ("the CalAmp litigation").

The United States Court of Appeal for the Federal Circuit recently issued its decision on the appeal for the CalAmp litigation on April 8, 2019. *Omega Patents, LLC v. CalAmp Corp.*, No. 2018-1309 (Fed. Cir. Apr. 8, 2019) (attached as Exhibit W). In its decision, the Federal Circuit vacated the judgment of infringement as to all of the asserted claims of the Flick '278 patent[3] as against CalAmp and remanded for a new trial. *See id.* at pp. 18, 26.

V. CITATION OF PERTINENT AND APPLICABLE PRIOR ART BELIEVED TO HAVE BEARING ON PATENTABILITY

As explained in detail in this Request, the following prior art references, as they would have been understood by one of ordinary skill in the art at the time of the invention of the Flick '278 patent, raise substantial new questions of patentability with respect to claims 1 through 22. Reexamination of claims 1 through 22 is therefore respectfully requested. The prior art references relied upon in this Request that raise new questions of patentability are as follows:

[3] The Federal Circuit also reversed the judgment of direct infringement as to all asserted claims of Omega's U.S. Patent No. 6,346,876 and U.S. Patent No. 6,756,885. *Id.* at 26. The Court also set aside the judgment of infringement as to original claims 1 and 10 of Omega's U.S. Patent No. 7,671,727. *Id.*

Title	Hereinafter
U.S. Patent No. 6,430,164 to Jones et al. (issued August 6, 2002)	"Jones" (Exhibit I)
"CellPort Delivers Wireless, Vehicle-Based Applications Platform; Announces CP2100 Mobile Network Server" (published on July 26, 1999)	"Cell Port Labs Press Release" (Exhibit F)
"A Demonstration Project for the ITS Data Bus Prototype" (published in 1998)	"Spelt" (Exhibit G)
"Prep for a Multimedia Future" (published on Aug. 19, 1999)	"Auto Electronics publication" (Exhibit H)
"SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual" (with 1994 and 1997 publication dates)	"1994 SAE HS-3000 Manual" (Exhibit J) "1997 SAE HS-3000 Manual" (Exhibit K)

Requester submits that the references listed in the table above raise substantial new questions of patentability of the claims of the Flick '278 patent. In particular, the Cell Port Press Release (including its inherent disclosure of Spelt) and Jones, which are prior art patents or publications that have not previously been considered in evaluating the validity of the claims of the Flick '278 patent, disclose each and every limitation of the independent claims of the Flick '278 patent.

The 1994 SAE HS-3000 Manual and the 1997 SAE HS-3000 Manual were considered during the '278 Second Reexam. Aside from these, none of the other references listed in the

table above were considered during either the '278 File History, the '278 First Reexam, or the '278 Second Reexam.

With respect to previously-considered prior art references, MPEP § 2258.01 states: "If the rejection to be made by the examiner will be based on a combination of 'old art' and art newly cited during the reexamination proceeding, the rejection is proper, and should be made. *See In re Hiniker*, 150 F.3d at 1367, 47 USPQ2d at 1527. (Court held the reexamination proceeding was supported by a substantial new question of patentability where the rejection before the court was based on a combination of art that had been before the examiner during the original prosecution, and art newly cited during the reexamination proceeding.)." Accordingly, the 1994 and 1997 SAE HS-3000 Manuals, when viewed with the Cell Port Labs Press Release, Spelt, and the Jones references, are presented in a new light and raise a substantial new question of patentability.

In view of the above, Requester submits that the prior art references submitted herein present substantial new questions as to the patentability of the Flick '278 patent.

VI. STATEMENTS POINTING OUT EACH SUBSTANTIAL NEW QUESTION OF PATENTABILITY

As explained in greater detail below, the references listed in the table above, either alone or in combination, raise substantial new questions of patentability not previously considered or addressed in the prior examination of the Flick '278 patent. More specifically, the Cell Port Labs Press Release (including the inherent disclosure of Spelt) and Jones individually anticipate at least the independent claims of the Flick '278 patent. Thus, the Cell Port Labs Press Release, Spelt, and Jones in combination with the other references listed in the table above, raise

substantial new questions of patentability not previously considered or addressed in the prior examination of the Flick '278 patent.

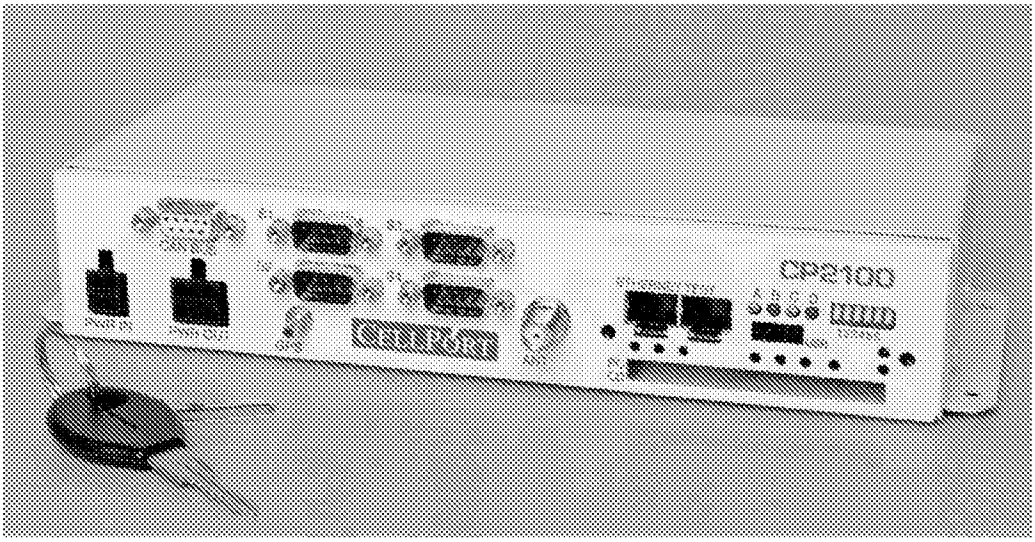
A. ***The Cell Port Labs Press Release, Spelt, Jones, and the SAE HS-3000 Manuals***

The Cell Port Labs Press Release was published on July 26, 1999. Spelt was published in 1998 by Spelt et al. The SAE HS-3000 Manuals (with 1994 and 1997 publication dates) set forth various standards, each under a particular SAE heading number, related to vehicle control systems that communicate with vehicle devices on a vehicle bus to obtain diagnostic information. Therefore, the Cell Port Labs Press Release, Spelt, and the SAE HS-3000 Manuals are prior art to the Flick '278 patent under pre-AIA 35 U.S.C. § 102(a) and (b). U.S. Patent No. 6,430,164 to Jones et al. was filed November 1, 1999, and issued August 6, 2002, and therefore Jones is prior art to the Flick '278 patent under pre-AIA 35 U.S.C. § 102(a), (b), and/or (e).

The Cell Port Labs, Spelt, and Jones references were not considered during the prosecution of the Flick '278 patent or the now-concluded '278 First and Second Reexams. The SAE HS-3000 Manuals were considered during the '278 Second Reexam, but are now being presented in a new light in view of the Cell Port Labs Press Release, Spelt, and Jones. These references provide a new technological teaching that raises a substantial new question of patentability.

1. Technological Teaching: A Mobile Network Server that Supports "Plug-and-Play" Multi-Vehicle Compatibility for Different Vehicles with a Downloading Interface and GPS

Cell Port Labs, Inc. (hereinafter, "Cell Port Labs") developed the CP2100 which was "a mobile network server designed to enable bi-directional data communications and network management functions within vehicles and provide real-time, wireless connectivity between vehicles and remote applications." CellPort Delivers Wireless, Vehicle-Based Applications Platform; Announces CP2100 Mobile Network Server, PRNEWSWIRE, July 26, 1999 (hereinafter, "Cell Port Labs Press Release"). A photo of the CP2100, reproduced below, illustrates the control system is for a vehicle that includes a vehicle data bus extending throughout the vehicle.



Prices for CellPort Labs' CP2100 Mobile Network Server start at $995, including interfaces to vehicle networks, such as CAN and J1850, and to wireless networks, such as cellular, paging, and personal communications systems.

Maury Wright, *Prep for a Multimedia Future*, EDN MAGAZINE, Aug. 19, 1999, at 84 (illustrating photo of CP2100) (hereinafter, "Auto Electronics publication").

As can be seen from the picture above, the CP2100 interfaces to vehicle data buses (vehicle networks) such as the CAN and J1850. Furthermore, the Cell Port Labs Press Release discloses that "CellPort offers the first commercial product designed specifically to manage the growing list of in-vehicle networks, including IDB, CAN, USB and more." Cell Port Labs Press Release. The Cell Port Labs Press Release also discloses that the "CP2100 supports a variety of emerging vehicle bus interfaces, including IDB, J1708, J1850, CAN and ODBII". Cell Port Labs Press Release.

Additionally, the Cell Port Labs Press Release notes that Cell Port Labs was a participant in the IDB Demonstration Program, whereby it "provided connectivity to the Internet for many IDB-based vehicle systems on three IDB demonstration vehicles." Cell Port Labs Press Release. As discussed below, the IDB demonstration involved demonstrating the capability of the CP2100 utilizing the bus discovery protocols contained within the SAE standards disclosed in the 1994 and 1997 SAE HS-3000 Manuals to provide "plug-and-play" connectivity with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBD-II connector contained within each of the vehicles. See Spelt, p. I22-2.

The publication titled "A Demonstration Project for the ITS Data Bus Prototype" published in 1998 by Spelt *et al.* provides details regarding the IDB Demonstration Program noted in the Cell Port Labs Press Release. Philip F. Spelt & Allan M. Kirson, *A Demonstration Project for the ITS DATA Bus Prototype*, DIGITAL AVIONICS SYSTEMS CONFERENCE, 1998. PROCEEDINGS., 17TH DASC. Oct. 31-Nov. 7, 1998, Print ISBN: 0-7803-5086-3 (hereinafter, "Spelt").

Spelt discloses that Cell Port Labs, Inc. was a company participant in the IDB Demo98 project. Spelt, p. I22-3, Table 1. Furthermore, Spelt discloses that the goal of the Demo98 project

was "to demonstrate several of the functional requirements and capabilities of the IDB. These include 'hot plug-and-play of devices, interoperability of a device in different vehicles, and the information-sharing capacity of devices connected to the IDB." Spelt, p. I22-1 (emphasis added). As discussed above, other "[c]ompanies participating in Demo98 include the United States 'Big Three' automobile manufacturers: Chrysler (Concorde LXi), General Motors (Cadillac SLS), and Ford (Lincoln Continental)." Spelt, p. I22-2.

Additionally, Spelt elaborates on one of the important objectives of the Demo98 project: "The Plug-and-Play Scenario is the most fundamental and general of the four scenarios developed for Demo98. It is intended to demonstrate the IDB characteristics of 'hot plug-and-play' and the as can reasonably be shown with the devices provided by the participants. Thus, as the title implies, the hot plug-and-play capabilities of the IDB protocol are shown by inserting and removing devices while the IDB is alive and functioning. This demonstrates the inherent reconfigurability designed into the IDB protocol, by showing that current devices, which may have depended on another no longer available device, will still function on the IDB." Spelt, p. I22-2.

The "SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual" (with 1994 and 1997 publication dates; hereinafter, "1994 SAE HS-3000 Manual" and "1997 SAE HS-3000 Manual") provides the implementation details and recommended practices of the J1708, J1850 and OBD-II Scan Tool bus interfaces. In particular, the SAE HS-3000 Manual discloses that a device code on the vehicle data bus can be an SAE standard and/or one of seven manufacturer specific version of the device code. *See e.g.*, 1994 SAE HS-3000 Manual, p. 213, Section 4 of SAE J2178/2. Furthermore, the 1994 and 1997 SAE HS-3000 Manuals disclose a bus discovery process involving reading different versions of a mode 1 PID 0 device

code from the data communications bus and determining a match between a read device code and a plurality of stored device codes. *See e.g.*, 1994 SAE HS-3000 Manual, p. 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978. It is the implementation of this standard that enables the CP2100 to have the "hot plug-and-play" capabilities demonstrated in the SAE IDB Demo98 Demonstration Program in which the ability of the CP2100 to perform bus discovery to connect and communicate with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBD-II connector of each vehicle was demonstrated. *See also*, Final Rejection dated November 9, 2018 of the Flick '885 Reexam, p. 6 (Control No. 90/014038) ("it would have been obvious to add the teaching of the 1994 and 1997 SAE HS-3000 Manuals, which support the J1850 vehicle bus standard and OBD-II bus discovery protocol and which describes a bus discovery process that reads a device code from the data communications bus and determines a match between a read device code and the stored device codes." [citations omitted]; *see also* pp. 12-14).

The Cell Port Labs Press Release also discloses that the CP2100 is a multi-vehicle compatible controller cooperating with a wireless communications device by disclosing that the CP2100 includes "protocol conversion for a variety of vehicle buses and devices, wireless gateway communications independent of wireless links, and embedded application router management capabilities." Cell Port Labs Press Release. The Cell Port Labs Press Release discloses that the CP2100 allows vehicle manufacturers and other entities to "connect a wide range of vehicles to their networks, including Extranets, Intranets, and Internet sites." Cell Port Labs Press Release. Moreover, the CP2100 overcomes a major obstacle – "that of integrating various data management functions within the vehicle and linking them with a centralized application via wireless communication networks." Cell Port Labs Press Release. The Cell Port

Labs Press Release states that the CP2100 "provide[s] real-time, wireless connectivity between vehicles and remote applications" and that the CP2100's "[w]ireless airlink capabilities include cellular, spread spectrum radio, satellite and private radio." *Id.*

The Cell Port Labs Press Release further discloses a vehicle position determining device, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, **provide GPS information**, run diagnostic routines, reconfigure data collection routines, download code and run executable software." Cell Port Labs Press Release (emphasis added).

The Cell Port Labs Press Release also discloses a downloading interface for downloading enabling data related to the corresponding vehicle device code by disclosing that "[d]ata from the host can be sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines, download code and run executable software**." Cell Port Labs Press Release (emphasis added). This ability to download code and run executable software allows the CP2100 to communicate with multiple types of vehicles. Furthermore, in "run[ning] diagnostic routines" and "reconfigur[ing] data collection routines," the CP2100 necessarily must perform the bus discovery protocol (see, e.g., 1994 SAE HS-3000 Manual, page 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978) involving inspecting vehicle device codes to identify the particular type of vehicle and vehicle bus protocols that it utilizes. Once the bus discovery protocol is performed, the CP2100 identifies the type of vehicle to the remote host. The remote host then provides enabling data to configure the CP2100 to use appropriate device codes to run diagnostic routines and perform data collection routines for that specific type of vehicle.

Jones discloses the downloading interface for permitting downloading of enabling data related to the vehicle device code by disclosing that "the portal apparatus facilitates downloading

of software configurations and updates to each communications apparatus in the vehicles of the particular fleet, as well as **facilitating the obtaining of vehicle operational data and other information including diagnostic data and status information including fault-related data**." Jones, 4:1-6 (emphasis added). In other words, Jones discloses enabling data and directing which vehicle device codes to use to obtain vehicle operational data, diagnostics data, status and fault related data for a particular type of vehicle. For example, Figure 2 of Jones shows the configuration packet 300 containing an OBD-II field which requires a number of fields "to identify the particular subsystem from which [vehicle operational] data is being requested" from OBD-II subsystem 32, where said fields are configured in configuration packet 300 according to the particular vehicle device codes that are used for that particular vehicle. Jones, 15:32-37.

Jones also discloses that the downloading of updates includes enabling data with respect to specific vehicle devices to enable "plug and play" without any requirement to modify the vehicle device for communication with the CP2100 (i.e. the CP2100 achieves its "plug and play" capability by downloading the device codes and protocols necessary to communicate with the device). For example, Jones discloses that "[b]ased on the foregoing summary, a number of salient aspects of the present invention are readily identified. **Transfers of information including data relative to different devices, buses and/or networks are substantially seamlessly achieved**. Such transfers can be accomplished among these different subsystems without requiring that they be modified, thereby achieving a **"plug and play"** result. The disparate subsystems include protocol dependent components as well as close-ended devices at which data flow originates or is terminated, such as a GPS." Jones, 4:7-15 (emphasis added).

Jones also discloses, generally, a detailed process for maintenance and/or configuration updates for the plurality of vehicle device codes, whereby reconfiguring or updating software on

the communications apparatuses 22 is "preferably sent as a single file from the portal apparatus 310 to one or more selected communications apparatuses 22 through the wireless network 314." Jones, 20:37-39; *see also generally*, 19:60-21:46. Once these vehicle device codes are received, "the configuration manager 180 is responsible for extracting changes from the configuration in the file and applying them to the communications apparatus 22 in a shadow or mirror form." *Id.* at 20:54-58.

2. The Cell Port Labs Press Release, Spelt, Jones, and the SAE HS-3000 Manuals are Analogous Art to the Flick '278 Patent

The Cell Port Labs Press Release, Spelt, Jones, and the SAE HS-3000 Manuals are analogous art because they are in the same field of endeavor as the Flick '278 patent, namely vehicle monitoring and tracking units, and more specifically, vehicle tracking devices that can be installed in vehicles, communicate with vehicle devices via a vehicle bus using vehicle codes from among a plurality of vehicle codes for different vehicles, communicate with vehicle position determining devices, and download data related to the vehicle device codes. *See In re Klein*, 647 F.3d 1343, 1349 (Fed. Cir. 2011) (noting that a reference is analogous when "the art is from the same field of endeavor, regardless of the problem addressed...").

3. Substantial New Question of Patentability as to Claims 1 through 22

Each of claims 1 through 22 require at least: a vehicle data bus, a vehicle position determining device, a wireless communications device, a multi-vehicle compatible controller, and a downloading interface for permitting downloading of enabling data. As shown above, the Cell Port Labs Press Release in combination with Spelt, Jones, and the SAE HS-3000 Manuals disclose these limitations, and more detail is shown in the claim chart attached as Exhibit D.

Accordingly, it is submitted that:

- All aspects of claims 1, 13, and 18 are disclosed by the Cell Port Labs Press Release in view of Spelt and the SAE HS-3000 Manuals.
- All aspects of claims 1-22 are disclosed by the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals.

As shown above, a reasonable examiner would consider the teachings of the Cell Port Labs Press Release, Spelt, the SAE HS-3000 Manuals, and Jones important in deciding whether or not claims 1 through 22 of the Flick '278 patent are patentable. For these reasons, the Cell Port Labs Press Release (with the inherent disclosure of Spelt) in combination with the SAE HS-3000 Manuals raise a substantial new question of patentability with respect to the claims of the Flick '278 patent. Additionally, the Cell Port Labs Press Release (with the inherent disclosure of Spelt) in combination with Jones and the SAE HS-3000 Manuals raise a substantial new question of patentability with respect to the claims of the Flick '278 patent.

B. ***U.S. Patent No. 6,430,164 to Jones et al. in view of the SAE HS-3000 Manuals***

U.S. Patent No. 6,430,164 to Jones et al. was filed November 1, 1999, and issued August 6, 2002, and therefore Jones is prior art to the Flick '278 patent under 35 U.S.C. § 102(a), (b), and/or (e). This reference was not considered during the prosecution of the Flick '278 patent or the '278 First and Second Reexams. This reference provides a new technological teaching that raises a substantial new question of patentability.

1. Technological Teaching: A Communication Apparatus with "Plug-and-Play" Multi-Vehicle Compatibility Embedded in Different Vehicles with a Downloading Interface and GPS

Jones was filed by inventors Marc Jones, Charles Spaur, Michael Tibbets, and Patrick Kennedy on November 1, 1999, and then assigned to Cell Port Labs on October 26, 1999 (recorded on Nov. 1, 1999, Reel No. 010357, Frame 0498). Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs, the company disclosed in the Cell Port Labs Press Release).

Jones teaches a vehicle tracking system for a vehicle comprising a vehicle data bus (e.g., IDB 28, OBD-II 32, CAN 36, and Standard Serial Bus 44) extending throughout the vehicle. Jones also teaches at least one vehicle device (e.g., Nodes 80b-80h).

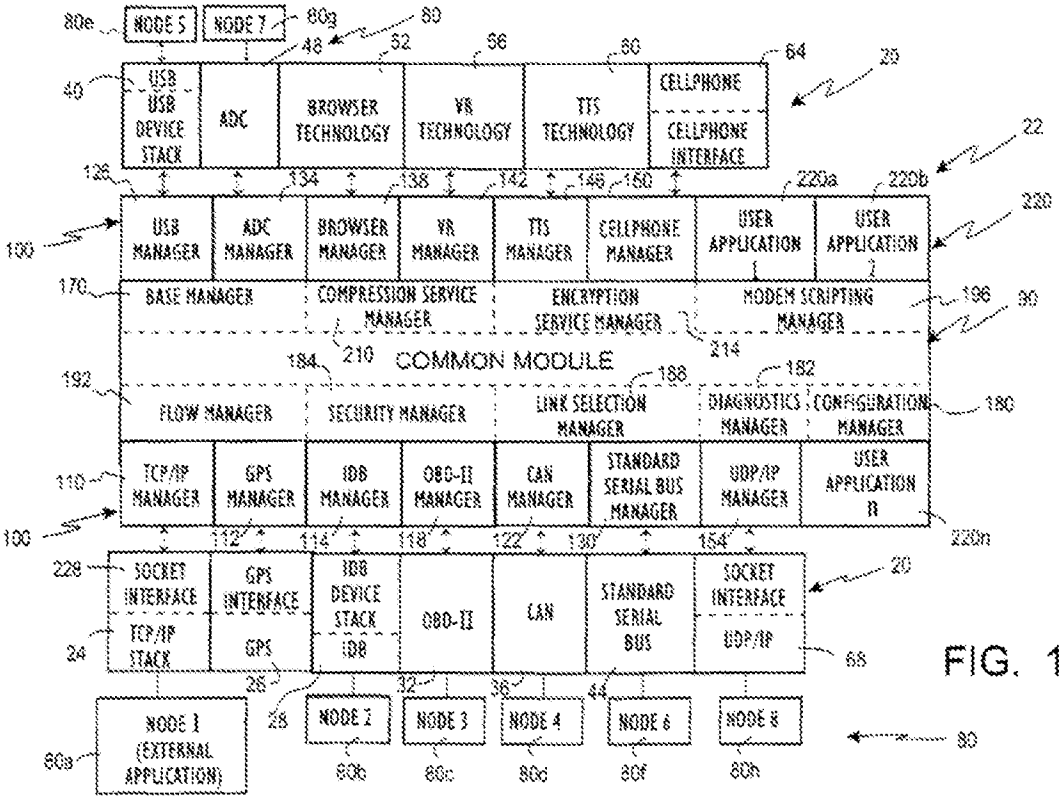


FIG. 1

Jones discloses a communication apparatus "contained within a vehicle having a number of disparate subsystems. The disparate subsystems include protocol based units and close-ended devices." Jones, 1:57-59. Jones further discloses that "[a]n example of such a close-ended device might be a global position system (GPS) that is useful in providing vehicle location information or a hardware device, such as a vehicle sensor from which data can be obtained for a particular vehicle component to which the sensor is operably connected[.]" Jones, 1-6; see also Fig. 1, elements 26 and 112.

Jones discloses a wireless communications device by disclosing a cellphone 64 and wireless network 314. Jones, Fig. 1; see also 5:52-53. Jones further discloses that "[t]he cellphone 64 is a useful communications tool in sending/receiving analog voice or digital data." Jones, 5:52-53.

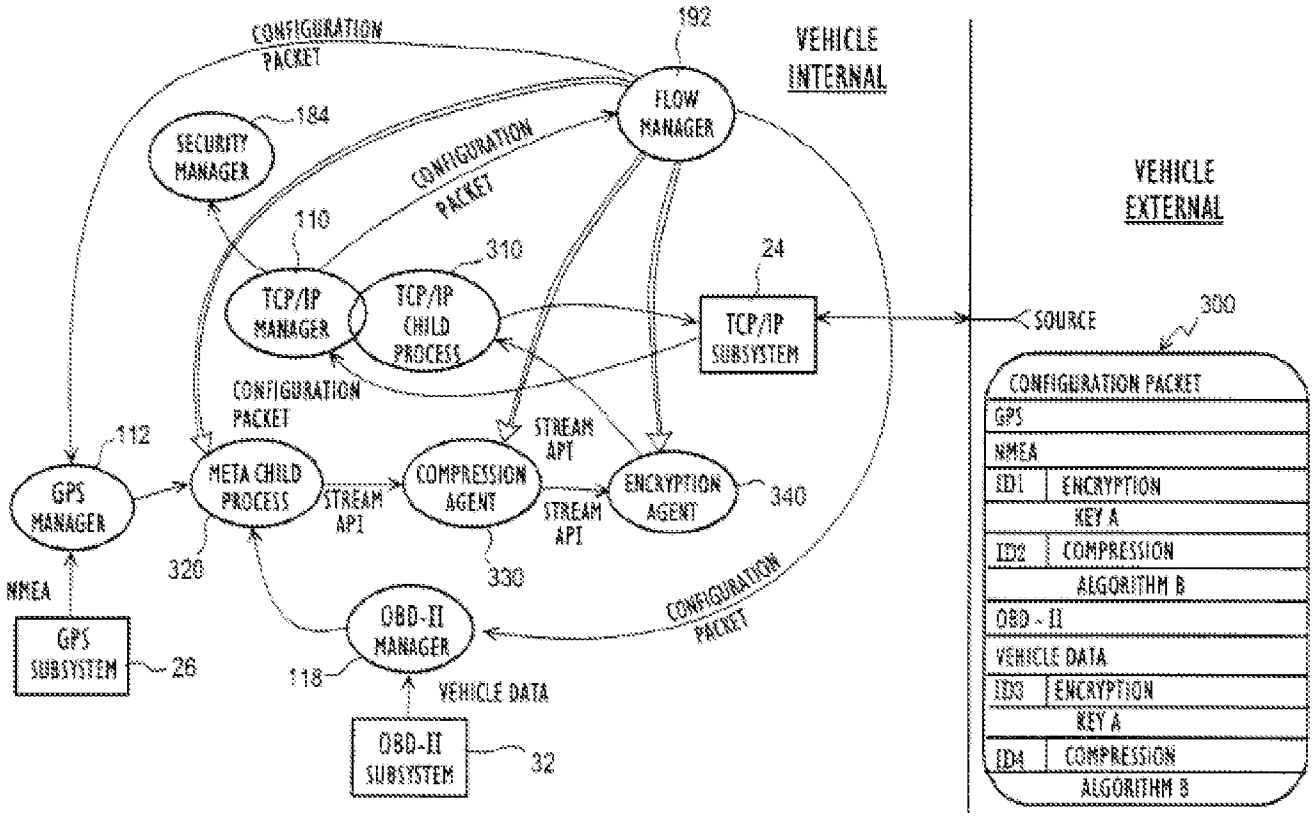
Jones issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 Mobile Network Server (hereinafter, "CP2100") as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1.

Jones also discloses that "[t]he system includes a plurality of disparate subsystems 20 and a communications apparatus 22. The disparate subsystems 20 in a vehicle can include one or more of the following components: Internet protocol (IP) stacks 24; **a global positioning system (GPS)** 26; ***an intelligent transportation system data bus (IDB) 28; an onboard diagnostics (OBD-II) 32; a controller area network (CAN) 36;*** a universal serial bus (USB) 40; a standard serial bus 44; an analog/digital converter (ADC) 48; browser technology 52; voice recognition (VR) technology 56; text-to-speech (TTS) technology 60; **a cellphone 64; user datagram packets/Internet protocol stack(s) (UDP/IP)**, one or more custom or proprietary units or components, as well as any other presently or later devised subsystem that may be useful in a vehicle or another environment in which the system is operating." Jones, 4:55-67 (emphasis added).

Jones discloses the CP2100 supports a variety of different vehicle busses, including IDB, OBD-II and CAN. *See e.g.*, Jones, 4:57-63 ("The disparate subsystems 20 in a vehicle can include one or more of the following components: Internet protocol (IP) stacks 24; a global positioning system (GPS) 26; an intelligent transportation system data bus (IDB) 28; an onboard diagnostics (OBD-II) 32; a controller area network (CAN) 36.").

Jones discloses a configuration packet 300 which requests OBD-II data from vehicle devices. *See* Jones, Fig. 2.

FIG. 2



Jones discloses that the configuration packet 300 must specify "a destination, services that might be invoked, and data or other information being requested." Jones, 14:67-15:1. In other words, the process described in Figure 2 of Jones implicitly discloses that the multi-vehicle compatible controller must implement the SAE bus discovery process described in SAE J1978. Once the bus discovery protocol is performed, the CP2100 identifies the type of vehicle to the remote host, thereby determining which vehicle codes to use from the plurality of stored vehicle codes. The remote host then provides enabling data to configure the CP2100 to use appropriate device codes to run diagnostic routines and perform data collection routines for that specific type of vehicle.

The "SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual" with multiple publication dates including 1994 and 1997 (hereinafter the "1994 SAE HS-3000 Manual" and the "1997 SAE HS-3000 Manual"), provides the implementation details and recommended practices of the J1708, J1850 and OBDII bus interfaces.

In particular, the SAE HS-3000 Manual discloses that a device code on the vehicle data bus can be an SAE standard and/or one of seven manufacturer specific version of the device code. *See e.g.*, 1994 SAE HS-3000 Manual, p. 213, Section 4 of SAE J2178/2. Furthermore, the 1994 and 1997 SAE HS-3000 Manuals disclose a bus discovery process involving reading different versions of a mode 1 PID 0 device code from the data communications bus and determining a match between a read device code and a stored device code. *See e.g.*, 1994 SAE HS-3000 Manual, p. 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978. It is the implementation of this standard that enables the CP2100 to have the "hot plug-and-play" capabilities demonstrated in the SAE IDB Demo98 Demonstration Program in which the ability of the CP2100 to perform bus discovery to connect and communicate with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBD-II connector of each vehicle was demonstrated.

Jones discloses a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code by disclosing that "the portal apparatus facilitates downloading of software configurations and updates to each communications apparatus in the vehicles of the particular fleet, as well as **facilitating the obtaining of vehicle operational data and other information including diagnostic data and status information including fault-related data**." Jones, 4:1-6 (emphasis added). In other words, Jones discloses enabling data and directing which vehicle device codes to use to obtain

vehicle operational data, diagnostics data, status and fault related data for a particular type of vehicle. For example, Figure 2 of Jones shows the configuration packet 300 containing an OBD-II field which requires a number of fields "to identify the particular subsystem from which [vehicle operational] data is being requested" from OBD-II subsystem 32, where said fields are configured in configuration packet 300 according to the particular vehicle device codes that are used for that particular vehicle. Jones, 15:32-37.

Jones also discloses that the downloading of updates includes enabling data with respect to specific vehicle devices to enable "plug and play" without any requirement to modify the vehicle device for communication with the CP2100 (i.e. the CP2100 achieves its "plug and play" capability by downloading the device codes and protocols necessary to communicate with the device). For example, Jones discloses that "[b]ased on the foregoing summary, a number of salient aspects of the present invention are readily identified. **Transfers of information including data relative to different devices, buses and/or networks are substantially seamlessly achieved**. Such transfers can be accomplished among these different subsystems without requiring that they be modified, thereby achieving a **"plug and play"** result. The disparate subsystems include protocol dependent components as well as close-ended devices at which data flow originates or is terminated, such as a GPS." Jones, 4:7-15 (emphasis added).

Jones also discloses, generally, a detailed process for maintenance and/or configuration updates for the plurality of vehicle device codes, whereby reconfiguring or updating software on the communications apparatuses 22 is "preferably sent as a single file from the portal apparatus 310 to one or more selected communications apparatuses 22 through the wireless network 314." Jones, 20:37-39; *see also generally*, 19:60-21:46. Once these vehicle device codes are received, "the configuration manager 180 is responsible for extracting changes from the

configuration in the file and applying them to the communications apparatus 22 in a shadow or mirror form." *Id.* at 20:54-58.

2. Jones is Analogous Art to the Flick '278 Patent

Jones and the SAE HS-3000 Manuals are analogous art because they are in the same field of endeavor as the Flick '278 patent, namely vehicle monitoring and tracking units, and more specifically, vehicle tracking devices that can be installed in vehicles, communicate with vehicle devices via a vehicle bus using vehicle codes from among a plurality of vehicle codes for different vehicles, communicate with vehicle position determining devices, and download data related to the vehicle device codes. *See In re Klein*, 647 F.3d 1343, 1349 (Fed. Cir. 2011) (noting that a reference is analogous when "the art is from the same field of endeavor, regardless of the problem addressed...").

3. Substantial New Question of Patentability as to Claims 1 through 22

Each of claims 1 through 22 require at least: a vehicle data bus, a vehicle position determining device, a wireless communications device, a multi-vehicle compatible controller, and a downloading interface for permitting downloading of enabling data. As shown above, Jones in combination with the inherent disclosure of the SAE HS-3000 Manuals disclose these limitations, and more detail is shown in the claim chart attached as Exhibit E.

Accordingly, it is submitted that all aspects of claims 1-22 are disclosed by Jones in view of the inherent disclosure of the SAE HS-3000 Manuals.

As shown above, a reasonable examiner would consider the teachings of Jones and the SAE HS-3000 Manuals important in deciding whether or not claims 1 through 22 of the Flick '278 patent are patentable. For these reasons, Jones in combination with the inherent disclosures of

the SAE HS-3000 Manuals submitted in this Request raise a substantial new question of patentability with respect to the claims of the Flick '278 patent.

VII. PROPOSED REJECTIONS AND DETAILED EXPLANATIONS OF THE PERTINENCY AND MANNER OF APPLYING THE CITED PRIOR ART TO EVERY CLAIM FOR WHICH REEXAMINATION IS REQUESTED

The above-referenced prior art raises substantial new questions of patentability with respect to claims 1 through 22 of the Flick '278 patent. Below, Requester sets out proposed rejections that provide a detailed explanation of the pertinence and manner of applying these publications and/or patents to each of these claims. As this is a reexamination under 35 U.S.C. 304, the claims should be "given the broadest reasonable interpretation consistent with the specification and limitations in the specification [should] not [be] read into the claims." MPEP § 2258(I)(G)(citing *In re Yamamoto*, 740 F.2d 1569, 222 USPQ 934 (Fed. Cir. 1984)).

Additionally, although anticipation typically requires that a single prior art reference contain each and every element of the claimed invention, a rejection over multiple references under 35 U.S.C. § 102 has been held to be proper to show that a characteristic not disclosed in the reference is inherent. *See* MPEP 2131.01(III). To elaborate, "[t]o serve as an anticipation when the reference is silent about the asserted inherent characteristic, such gap in the reference may be filled with recourse to extrinsic evidence. Such evidence must make clear that the missing descriptive matter is necessarily present in the thing described in the reference, and that it would be so recognized by persons of ordinary skill." *Continental Can Co. USA v. Monsanto Co.*, 948 F.2d 1264, 1268, 20 USPQ2d 1746, 1749-50 (Fed. Cir. 1991). Therefore, where indicated in the discussion, a multi-reference rejection under 35 U.S.C. § 102 will refer to the appropriate inherent publication or standard.

SUMMARY OF PROPOSED REJECTIONS	SUPPORTING CLAIM CHART
Claims 1, 13, and 18 are rejected under 35 U.S.C. § 102(a) and (b) as unpatentable over the Cell Port Labs Press Release in combination with the inherent disclosure of Spelt and the SAE HS-3000 Manuals. Claims 1-22 are rejected under 35 U.S.C. § 103(a) as unpatentable over the Cell Port Labs Press Release in in view of Spelt, Jones, and the SAE HS-3000 Manuals.	**Exhibit D**
Claims 1-22 are rejected under 35 U.S.C. § 102(a) and (b) as unpatentable over Jones in combination with the inherent disclosure of the SAE HS-3000 Manuals.	**Exhibit E**

A. ***Claims 1, 13, and 18 are Unpatentable over Cell Port Labs Press Release in combination with the inherent disclosure of Spelt and the SAE HS-3000 Manuals***

Each and every limitation of claims 1, 13, and 18 is disclosed by the Cell Port Labs Press Release in combination with the disclosure of Spelt and the SAE HS-3000 Manuals as shown in detail in the claim chart attached as Exhibit D. Accordingly, the following proposed rejection is appropriate.

Claims 1, 13, and 18 are rejected under 35 U.S.C. § 102(a) and (b) (as a multiple reference 35 U.S.C. § 102 rejection according to MPEP § 2131.01) as being unpatentable over the Cell Port Labs Press Release including its inherent disclosures as explained by extrinsic evidence including the Spelt and the SAE HS-3000 Manuals. If the Patent Office deems that the multi-reference 35 U.S.C. § 102 proposed rejection is not appropriate, Requester submits that these same claims are appropriately rejected under 35 U.S.C. § 103(a) based upon the same combinations of references disclosed herein.

With regard to claim 1, as set out in detail in Exhibit D, the Cell Port Labs Press Release as understood in view of extrinsic evidence including Spelt and the SAE HS-3000 Manuals teaches all limitations of claim 1. Specifically, these references teach:

- *A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible tracking unit comprising*: Cell Port Labs, Inc. (hereinafter, "Cell Port Labs") developed the CP2100 which was "a mobile network server designed to enable bi-directional data communications and network management functions within vehicles and provide real-time, wireless connectivity between vehicles and remote applications." *CellPort Delivers Wireless, Vehicle-Based Applications Platform; Announces CP2100 Mobile Network Server*, PRNewswire, July 26, 1999 (hereinafter, "Cell Port Labs Press Release").
- In particular, the CP2100 interfaces to a vehicle data bus (i.e. vehicle networks, such as CAN and J1850). *See also* CAN BUS interface illustrated in Maury Wright, *Prep for a Multimedia Future*, EDN Magazine, Aug. 19, 1999, at 84 (hereinafter, "Auto Electronics publication"). Moreover, the Cell Port Labs Press Release states that "CellPort offers the first commercial product designed specifically to manage the growing list of in-vehicle networks, including IDB, CAN, USB and more." Cell Port Labs Press Release. The Cell Port Labs Press Release also states that "[t]he CP2100 supports a variety of emerging vehicle bus interfaces, including **IDB, J1708, J1850,** CAN and **ODBII**." Cell Port Labs Press Release (emphasis added).
- The "SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual" with multiple publication dates including 1994 and 1997 (hereinafter the

"1994 SAE HS-3000 Manual" and the "1997 SAE HS-3000 Manual"), provides the implementation details and recommended practices of the J1708, J1850 and OBDII bus interfaces.

- The CP2100 is "multi-vehicle compatible" as described in Cell Port Labs Press Release: "[t]he technical features of ***the CP2100 include protocol conversion for a variety of vehicle buses and devices***, wireless gateway communications independent of wireless links, and embedded application router management capabilities." Cell Port Labs Press Release (emphasis added).
- Specifically, the Cell Port Labs Press Release notes in "THE CP2100 IN USE" section that Cell Port Labs was a participant in the IDB Demonstration Program, whereby it "provided connectivity to the Internet for many IDB-based vehicle systems on three IDB demonstration vehicles." *Id.* The IDB demonstration involved demonstrating the capability of the CP2100 utilizing the bus discovery protocols contained within the SAE standards to provide "plug-and play" connectivity with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBDII connector contained within each of the vehicles.
- The publication titled "A Demonstration Project for the ITS Data Bus Prototype" published in 1998 by Spelt et al. (hereinafter, "Spelt") provides details regarding the SAE's IDB Demonstration Program noted in the Cell Port Labs Press Release. Philip F. Spelt & Allan M. Kirson, *A Demonstration Project for the ITS DATA Bus Prototype*, Digital Avionics Systems Conference, 1998. Proceedings., 17th DASC. Oct. 31-Nov. 7, 1998.

- As noted on Table 1 "IDB Devices" on page I22-3 of Spelt, Cell Port Labs was a company that participated in the IDB Demo98 project. As noted on page I22-1, the goal of Demo98 was "to demonstrate several of the functional requirements and capabilities of the IDB. These include 'hot plug-and-play of devices***, interoperability of a device in different vehicles***, and the information-sharing capacity of devices connected to the IDB." Spelt, p. I22-1 (emphasis added). Furthermore, "[c]ompanies participating in Demo98 include the United States 'Big Three' automobile manufacturers: Chrysler (Concorde LXi), General Motors (Cadillac SLS), and Ford (Lincoln Continental)." Id. at I22-2.
- Spelt also emphasized the plug-and-play functionality without the requirement to modify the vehicle device: "The Plug-and-Play Scenario is the most fundamental and general of the four scenarios developed for Demo98. It is intended to demonstrate the IDB characteristics of 'hot plug-and-play' and the as can reasonably be shown with the devices provided by the participants. Thus, as the title implies, the hot plug-and-play capabilities of the IDB protocol are shown by inserting and removing devices while the IDB is alive and functioning. This demonstrates the inherent reconfigurability designed into the IDB protocol, by showing that current devices, which may have depended on another no longer available device, will still function on the IDB." Id. at I22-2.
- *a vehicle position determining device*: the Cell Port Labs Press Release describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, **provide GPS information**, run diagnostic routines, reconfigure data collection routines, download code and

run executable software." Cell Port Labs Press Release (emphasis added). Thus, the Cell Port Labs Press Release discloses that the CP2100, in providing GPS information, comprises "a vehicle position determining device."

- *a wireless communications device:* Cell Port Labs Press Release discloses that the CP2100 "is designed to enable bi-directional data communications." Cell Port Labs Press Release. The Cell Port Labs Press Release asserts that CP2100 is a solution designed to "collect and manage data to/from a vehicle, then transmit the data real-time via a wireless network. *Id.* Therefore, CP2100 must include a wireless communications device. In particular, the CP2100 interfaces to wireless networks, such as cellular, paging, and personal communications systems. *See also*, "ANT" input/output for antenna of CP2100, illustrated by CP2100 photo reproduced above in Auto Electronics publication.
- In addition, the Cell Port Labs Press Release states that "vehicle manufacturers, application developers and corporate IT departments can easily network software and hardware applications, and cost-effectively connect a wide range of vehicles to their networks, including Extranets, Intranets and Internet sites. The new CP2100 eliminates a major obstacle currently facing Telematics, Intelligent Transport System (ITS) and mobile Infotainment systems -- that of integrating various data management functions within the vehicle and linking them with a centralized application via wireless communication networks." Id. (emphasis added).
- Furthermore, the Cell Port Labs Press Release states that the CP2100 "provide[s] real-time, wireless connectivity between vehicles and remote applications" and

that "[w]ireless airlink capabilities include cellular, spread spectrum radio, satellite and private radio." *Id.* Therefore, Cell Port Labs' CP2100 is unambiguously a multi-vehicle tracking unit that comprises "a wireless communications device."

- *a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information:* the Cell Port Labs Press Release and Spelt disclose multi-vehicle compatibility as described above. The Cell Port Labs Press Release describes the functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, **provide GPS information**, run diagnostic routines, reconfigure data collection routines, download code and run executable software." Cell Port Labs Press Release (emphasis added). Thus, the CP2100, in providing GPS information from the vehicle and in communicating with the operator as stated by the Cell Port Labs Press Release, "cooperat[es] with the vehicle position determining device and the wireless communications device to send vehicle position information."
- *said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles:* The CP2100 "couples" to a vehicle data bus (i.e. vehicle networks, such as CAN and J1850). See also CAN BUS interface illustrated above in Auto Electronics publication.
- The Cell Port Labs Press Release states that "CellPort offers the first commercial product designed specifically to manage the growing list of in-vehicle networks,

including IDB, CAN, USB and more." Cell Port Labs Press Release. The Cell Port Labs Press Release also states that "[t]he CP2100 supports a variety of emerging vehicle bus interfaces, including **IDB, J1708, J1850,** CAN and **ODBII**." Cell Port Labs Press Release (emphasis added). More specifically, Cell Port Labs Press Release states that application software for CP2100 "can be developed to **poll, filter, collect, process and store data collected from the vehicular network**. Some examples of vehicular data sources are **Class II native networks, transponders, sensors, timers, engine control computers, GPS receivers, and operator data terminals**. Data from the host can be sent to the vehicle to communicate with the operator, provide GPS information, run diagnostic routines, reconfigure data collection routines, download code and run executable software" Cell Port Labs Press Release (emphasis added). Thus, the Cell Port Labs Press Release discloses that the CP2100 is to be coupled to a vehicle bus to communicate with at least one vehicle device.

- The 1994 SAE HS-3000 Manual and the 1997 SAE HS-3000 Manual provide the implementation details and recommended practices of the J1708, J1850, and OBDII bus interfaces. In particular, the SAE HS-3000 Manual discloses that a device code on the vehicle data bus can be an SAE standard and/or one of seven manufacturer specific version of the device code ("at least one corresponding vehicle device code from among a plurality thereof for different vehicles"). *See e.g.*, 1994 SAE HS-3000 Manual, page 213, Section 4 of SAE J2178/2. Furthermore, the 1994 SAE HS-3000 Manual discloses a bus discovery process involving reading different versions of a mode 1 PID 0 device code from the data

communications bus to determine which type of communications interface the OBD II Scan Tool is connecting to. *See e.g.*, 1994 SAE HS-3000 Manual, page 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978. It is the implementation of this standard that enables the CP2100 to have the "hot plug-and-play" capabilities demonstrated in the SAE IDB Demo98 Demonstration Program in which the ability of the CP2100 to perform bus discovery to connect and communicate with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBD-II connector of each vehicle was demonstrated.

- Spelt documents that Cell Port Labs was a company that participated in the IDB Demo98 project. Spelt, page I22-3, Table 1. Spelt states that the goal of Demo98 was "to demonstrate several of the functional requirements and capabilities of the IDB. These include **'hot plug-and-play' of devices, interoperability of a device in different vehicles**, and the information-sharing capacity of devices connected to the IDB." Spelt, p. I22-1 (emphasis added). The "[c]ompanies participating in Demo98 include the United States 'Big Three' automobile manufacturers: Chrysler (Concorde LXi), General Motors (Cadillac SLS), and Ford (Lincoln Continental)." Id. at I22-2.
- Spelt also states: "The Plug-and-Play Scenario is the most fundamental and general of the four scenarios developed for Demo98. It is intended to demonstrate the IDB characteristics of 'hot plug-and-play' and the as can reasonably be shown with the devices provided by the participants. Thus, as the title implies, the hot plug-and-play capabilities of the IDB protocol are shown by inserting and removing devices while the IDB is alive and functioning. This demonstrates the inherent

reconfigurability designed into the IDB protocol, by showing that current devices, which may have depended on another no longer available device, will still function on the IDB." Id. at I22-2.

- *a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller:* Cell Port Labs Press Release describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines, download code and run executable software**." Cell Port Labs Press Release (emphasis added). This ability to download code and run executable software allows the CP2100 to communicate with multiple types of vehicles. Furthermore, in "run[ning] diagnostic routines" and "reconfigur[ing] data collection routines," the CP2100 necessarily must perform the bus discovery protocol (see, e.g., 1994 SAE HS-3000 Manual, page 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978) involving inspecting vehicle device codes to identify the particular type of vehicle and vehicle bus protocols that it utilizes. Once the bus discovery protocol is performed, the CP2100 identifies the type of vehicle to the remote host. The remote host then provides enabling data to configure the CP2100 to use appropriate device codes to run diagnostic routines and perform data collection routines for that specific type of vehicle.

With regard to claim 13, as set out in detail in Exhibit D, the Cell Port Labs Press Release as understood in view of extrinsic evidence including Spelt and the SAE HS-3000 Manuals

discloses all of the limitations of Claim 13. Claim 13 is nearly identical to Claim 1, with only the addition of the feature "said downloading interface comprising a connector for temporary connection to a downloading device."

The Cell Port Labs Press Release discloses that the CP2100 "support[s] RS232, Ethernet and Universal Serial Bus (USB) connectivity." *See* Cell Port Labs Press Release; *see also* Auto Electronics publication. One of ordinary skill in the art would understand that these interfaces are connectors for a temporary connection, and would be downloading interfaces to the CP2100 through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device.

With regard to claim 18, as set out in detail in Exhibit D, the Cell Port Labs Press Release as understood in view of extrinsic evidence including Spelt and the SAE HS-3000 Manuals discloses all of the limitations of Claim 18. Claim 18 is nearly identical to Claim 1, with only the addition of the feature "said downloading interface comprising a wireless receiver for temporary connection to a downloading device."

The Cell Port Labs Press Release discloses that the CP2100 is "a universal gateway for real-time wireless data communication, extending the **Internet Protocol (IP) over wireless networks to the vehicle**. **Using the CP2100, application designers can seamlessly integrate enterprise software solutions or any other Internet accessible resource to vehicles around the world**. CellPort's new product enables the various data networks and electronic devices within a vehicle to function as a node on the Internet." Cell Port Labs Press Release (emphasis added).

Additionally, the Cell Port Labs Press Release discloses that the CP2100 includes "wireless gateway communications independent of wireless links." *Id.* Moreover, Cell Port Labs

Press Release discloses that the CP2100 "[w]ireless airlink capabilities include cellular, spread spectrum radio, satellite and private radio." *Id.* Thus, one of ordinary skill in the art would understand from the disclosure of the Cell Port Labs Press Release that these interfaces would comprise "a wireless signal downloading interface," comprising "a wireless receiver for temporary connection" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device.

B. ***Claims 1-22 are Unpatentable over Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals***

Each and every limitation of claims 1 through 22 is disclosed by the Cell Port Labs Press Release in combination with the disclosure of Jones, Spelt, and the SAE HS-3000 Manuals as shown in detail in the claim chart attached as Exhibit D. Accordingly, the following proposed rejection is appropriate.

Claims 1 through 22 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the Cell Port Labs Press Release in view of Spelt, Jones, and/or the SAE HS-3000 Manuals.

With regard to claim 1, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals teaches all limitations of claim 1. Specifically, these references teach:

- *A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible tracking unit comprising*: Cell Port Labs, Inc. (hereinafter, "Cell Port Labs") developed the CP2100 which was "a mobile network server designed to enable bi-directional data communications and network management functions within vehicles and provide real-time, wireless connectivity between vehicles and remote applications."

CellPort Delivers Wireless, Vehicle-Based Applications Platform; Announces CP2100 Mobile Network Server, PRNewswire, July 26, 1999 (hereinafter, "Cell Port Labs Press Release").

- In particular, the CP2100 interfaces to a vehicle data bus (i.e. vehicle networks, such as CAN and J1850). *See also* CAN BUS interface illustrated in Maury Wright, *Prep for a Multimedia Future*, EDN Magazine, Aug. 19, 1999, at 84 (hereinafter, "Auto Electronics publication"). Moreover, the Cell Port Labs Press Release states that "CellPort offers the first commercial product designed specifically to manage the growing list of in-vehicle networks, including IDB, CAN, USB and more." Cell Port Labs Press Release. The Cell Port Labs Press Release also states that "[t]he CP2100 supports a variety of emerging vehicle bus interfaces, including **IDB, J1708, J1850,** CAN and **ODBII**." Cell Port Labs Press Release (emphasis added).
- The "SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual" with multiple publication dates including 1994 and 1997 (hereinafter the "1994 SAE HS-3000 Manual" and the "1997 SAE HS-3000 Manual"), provides the implementation details and recommended practices of the J1708, J1850 and OBDII bus interfaces.
- The CP2100 is "multi-vehicle compatible" as described in Cell Port Labs Press Release: "[t]he technical features of ***the CP2100 include protocol conversion for a variety of vehicle buses and devices***, wireless gateway communications independent of wireless links, and embedded application router management capabilities." Cell Port Labs Press Release (emphasis added).

- Specifically, the Cell Port Labs Press Release notes in "THE CP2100 IN USE" section that Cell Port Labs was a participant in the IDB Demonstration Program, whereby it "provided connectivity to the Internet for many IDB-based vehicle systems on three IDB demonstration vehicles." *Id.* The IDB demonstration involved demonstrating the capability of the CP2100 utilizing the bus discovery protocols contained within the SAE standards to provide "plug-and play" connectivity with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBDII connector contained within each of the vehicles.
- The publication titled "A Demonstration Project for the ITS Data Bus Prototype" published in 1998 by Spelt et al. (hereinafter, "Spelt") provides details regarding the SAE's IDB Demonstration Program noted in the Cell Port Labs Press Release. Philip F. Spelt & Allan M. Kirson, *A Demonstration Project for the ITS DATA Bus Prototype*, Digital Avionics Systems Conference, 1998. Proceedings., 17th DASC. Oct. 31-Nov. 7, 1998.
- As noted on Table 1 "IDB Devices" on page I22-3 of Spelt, Cell Port Labs was a company that participated in the IDB Demo98 project. As noted on page I22-1, the goal of Demo98 was "to demonstrate several of the functional requirements and capabilities of the IDB. These include 'hot plug-and-play of devices, ***interoperability of a device in different vehicles***, and the information-sharing capacity of devices connected to the IDB." Spelt, p. I22-1 (emphasis added). Furthermore, "[c]ompanies participating in Demo98 include the United States 'Big Three' automobile manufacturers: Chrysler (Concorde LXi), General Motors (Cadillac SLS), and Ford (Lincoln Continental)." *Id.* at I22-2.

- Spelt also emphasized the plug-and-play functionality without the requirement to modify the vehicle device: "The Plug-and-Play Scenario is the most fundamental and general of the four scenarios developed for Demo98. It is intended to demonstrate the IDB characteristics of 'hot plug-and-play' and the as can reasonably be shown with the devices provided by the participants. Thus, as the title implies, the hot plug-and-play capabilities of the IDB protocol are shown by inserting and removing devices while the IDB is alive and functioning. This demonstrates the inherent reconfigurability designed into the IDB protocol, by showing that current devices, which may have depended on another no longer available device, will still function on the IDB." Id. at I22-2.
- *a vehicle position determining device*: the Cell Port Labs Press Release describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, **provide GPS information**, run diagnostic routines, reconfigure data collection routines, download code and run executable software." Cell Port Labs Press Release (emphasis added). Thus, the Cell Port Labs Press Release discloses that the CP2100, in providing GPS information, comprises "a vehicle position determining device."
- Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. See e.g., Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1.

- Jones discloses a communication apparatus "contained within a vehicle having a number of disparate subsystems. The disparate subsystems include protocol based units and close-ended devices." Jones, 1:57-59. Jones further discloses that "[a]n example of such a close-ended device might be a global position system (GPS) that is useful in providing vehicle location information or a hardware device, such as a vehicle sensor from which data can be obtained for a particular vehicle component to which the sensor is operably connected[.]" Jones, 1-6; see also Fig. 1, elements 26 and 112.
- *a wireless communications device:* Cell Port Labs Press Release discloses that the CP2100 "is designed to enable bi-directional data communications." Cell Port Labs Press Release. The Cell Port Labs Press Release asserts that CP2100 is a solution designed to "collect and manage data to/from a vehicle, then transmit the data real-time via a wireless network. *Id.* Therefore, CP2100 must include a wireless communications device. In particular, the CP2100 interfaces to wireless networks, such as cellular, paging, and personal communications systems. *See also*, "ANT" input/output for antenna of CP2100, illustrated by CP2100 photo reproduced above in Auto Electronics publication.
- In addition, the Cell Port Labs Press Release states that "vehicle manufacturers, application developers and corporate IT departments can easily network software and hardware applications, and cost-effectively connect a wide range of vehicles to their networks, including Extranets, Intranets and Internet sites. The new CP2100 eliminates a major obstacle currently facing Telematics, Intelligent Transport System (ITS) and mobile Infotainment systems -- that of integrating

various data management functions within the vehicle and linking them with a centralized application via wireless communication networks." Id. (emphasis added).

- Furthermore, the Cell Port Labs Press Release states that the CP2100 "provide[s] real-time, wireless connectivity between vehicles and remote applications" and that "[w]ireless airlink capabilities include cellular, spread spectrum radio, satellite and private radio." Id. Therefore, Cell Port Labs' CP2100 is unambiguously a multi-vehicle tracking unit that comprises "a wireless communications device.
- *a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information:* the Cell Port Labs Press Release and Spelt disclose multi-vehicle compatibility as discussed above. The Cell Port Labs Press Release describes the functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, **provide GPS information**, run diagnostic routines, reconfigure data collection routines, download code and run executable software." Cell Port Labs Press Release (emphasis added). Thus, the CP2100, in providing GPS information from the vehicle and in communicating with the operator as stated by the Cell Port Labs Press Release, "cooperat[es] with the vehicle position determining device and the wireless communications device to send vehicle position information."
- Jones discloses a Cell Port Labs CP2100 Mobile Network Server (hereinafter, "CP2100") as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible

and includes a controller that cooperates with the transmitter and receiver of the CP2100. See e.g., Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1.

- Jones also discloses that "[t]he system includes a plurality of disparate subsystems 20 and a communications apparatus 22. The disparate subsystems 20 in a vehicle can include one or more of the following components: Internet protocol (IP) stacks 24; **a global positioning system (GPS) 26**…." Jones, 4:55-60 (emphasis added).
- *said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles:* The CP2100 "couples" to a vehicle data bus (i.e. vehicle networks, such as CAN and J1850).
- The Cell Port Labs Press Release states that "CellPort offers the first commercial product designed specifically to manage the growing list of in-vehicle networks, including IDB, CAN, USB and more." Cell Port Labs Press Release. The Cell Port Labs Press Release also states that "[t]he CP2100 supports a variety of emerging vehicle bus interfaces, including **IDB, J1708, J1850,** CAN and **ODBII**." Cell Port Labs Press Release (emphasis added). More specifically, Cell Port Labs Press Release states that application software for CP2100 "can be developed to **poll, filter, collect, process and store data collected from the vehicular network**. Some examples of vehicular data sources are **Class II native networks, transponders, sensors, timers, engine control computers, GPS receivers,**

and operator data terminals. Data from the host can be sent to the vehicle to communicate with the operator, provide GPS information, run diagnostic routines, reconfigure data collection routines, download code and run executable software" Cell Port Labs Press Release (emphasis added). Thus, the Cell Port Labs Press Release discloses that the CP2100 is to be coupled to a vehicle bus to communicate with at least one vehicle device.

- Jones discloses a configuration packet 300 which requests OBD-II data from vehicle devices. *See* Jones, Fig. 2. The configuration packet 300 must specify "a destination, services that might be invoked, and data or other information being requested." Jones, 14:67-15:1. In other words, the process described in Figure 2 of Jones implicitly discloses that the multi-vehicle compatible controller must implement the SAE bus discovery process described in SAE J1978. Once the bus discovery protocol is performed, the CP2100 identifies the type of vehicle to the remote host, thereby determining which vehicle codes to use from the plurality of stored vehicle codes. The remote host then provides enabling data to configure the CP2100 to use appropriate device codes to run diagnostic routines and perform data collection routines for that specific type of vehicle.
- The 1994 SAE HS-3000 Manual and the 1997 SAE HS-3000 Manual provide the implementation details and recommended practices of the J1708, J1850, and OBDII bus interfaces. In particular, the SAE HS-3000 Manual discloses that a device code on the vehicle data bus can be an SAE standard and/or one of seven manufacturer specific version of the device code ("at least one corresponding vehicle device code from among a plurality thereof for different vehicles"). *See*

e.g., 1994 SAE HS-3000 Manual, page 213, Section 4 of SAE J2178/2. Furthermore, the 1994 SAE HS-3000 Manual discloses a bus discovery process involving reading different versions of a mode 1 PID 0 device code from the data communications bus to determine which type of communications interface the OBD II Scan Tool is connecting to. *See e.g.*, 1994 SAE HS-3000 Manual, page 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978. It is the implementation of this standard that enables the CP2100 to have the "hot plug-and-play" capabilities demonstrated in the SAE IDB Demo98 Demonstration Program in which the ability of the CP2100 to perform bus discovery to connect and communicate with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBD-II connector of each vehicle was demonstrated.

- Spelt documents that Cell Port Labs was a company that participated in the IDB Demo98 project. Spelt, page I22-3, Table 1. Spelt states that the goal of Demo98 was "to demonstrate several of the functional requirements and capabilities of the IDB. These include **'hot plug-and-play' of devices, interoperability of a device in different vehicles**, and the information-sharing capacity of devices connected to the IDB." Spelt, p. I22-1 (emphasis added). The "[c]ompanies participating in Demo98 include the United States 'Big Three' automobile manufacturers: Chrysler (Concorde LXi), General Motors (Cadillac SLS), and Ford (Lincoln Continental)." Id. at I22-2.
- Spelt also states: "The Plug-and-Play Scenario is the most fundamental and general of the four scenarios developed for Demo98. It is intended to demonstrate the IDB characteristics of 'hot plug-and-play' and the as can reasonably be shown

with the devices provided by the participants. Thus, as the title implies, the hot plug-and-play capabilities of the IDB protocol are shown by inserting and removing devices while the IDB is alive and functioning. This demonstrates the inherent reconfigurability designed into the IDB protocol, by showing that current devices, which may have depended on another no longer available device, will still function on the IDB." *Id.* at I22-2.

- *a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller:* Cell Port Labs Press Release describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines, download code and run executable software**." Cell Port Labs Press Release (emphasis added). This ability to download code and run executable software allows the CP2100 to communicate with multiple types of vehicles. Furthermore, in "run[ning] diagnostic routines" and "reconfigur[ing] data collection routines," the CP2100 necessarily must perform the bus discovery protocol (see, e.g., 1994 SAE HS-3000 Manual, page 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978) involving inspecting vehicle device codes to identify the particular type of vehicle and vehicle bus protocols that it utilizes. Once the bus discovery protocol is performed, the CP2100 identifies the type of vehicle to the remote host. The remote host then provides enabling data to configure the CP2100 to use appropriate device codes

to run diagnostic routines and perform data collection routines for that specific type of vehicle.

- Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1.
- By disclosing that "the portal apparatus facilitates downloading of software configurations and updates to each communications apparatus in the vehicles of the particular fleet, as well as **facilitating the obtaining of vehicle operational data and other information including diagnostic data and status information including fault-related data**" (Jones, 4:1-6 (emphasis added)), Jones discloses enabling data and directing which vehicle device codes to use to obtain vehicle operational data, diagnostics data, status and fault related data for a particular type of vehicle. For example, Figure 2 of Jones shows the configuration packet 300 containing an OBD-II field which requires a number of fields "to identify the particular subsystem from which [vehicle operational] data is being requested" from OBD-II subsystem 32, where said fields are configured in configuration packet 300 according to the particular vehicle device codes that are used for that particular vehicle. Jones, 15:32-37.
- Jones also discloses that the downloading of updates includes enabling data with respect to specific vehicle devices to enable "plug and play" without any

requirement to modify the vehicle device for communication with the CP2100 (i.e. the CP2100 achieves its "plug and play" capability by downloading the device codes and protocols necessary to communicate with the device). For example, Jones discloses that "[b]ased on the foregoing summary, a number of salient aspects of the present invention are readily identified. **Transfers of information including data relative to different devices, buses and/or networks are substantially seamlessly achieved**. Such transfers can be accomplished among these different subsystems without requiring that they be modified, thereby achieving a **"plug and play"** result. The disparate subsystems include protocol dependent components as well as close-ended devices at which data flow originates or is terminated, such as a GPS." Jones, 4:7-15 (emphasis added).

With regard to claim 2, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals teaches all limitations of claim 2 requiring "*wherein said downloading interface comprises a wired signal downloading interface*." The Cell Port Labs Press Release discloses that the CP2100 "support[s] RS232, Ethernet and Universal Serial Bus (USB) connectivity." Cell Port Labs Press Release. One of ordinary skill in the art would understand that these interfaces are wired, and would be downloading interfaces to the CP2100.

Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to poll, filter, collect, process and store data collected from the vehicular network." Jones, 18:32-36. A person of

ordinary skill in the art would understand that CAN and RS232 are wired signal downloading interfaces.

Jones also discloses that there is a wired signal downloading interface for connecting to a downloading device by disclosing that the RS232 connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure via a wireless modem connection, through the local Ethernet port or **through an available RS232 connection** using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).

With regard to claim 3, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals teaches all limitations of claim 3 requiring "*wherein said wired signal downloading interface comprises a connector for temporary connection to a downloading device.*" The Cell Port Labs Press Release discloses that the CP2100 "support[s] RS232, Ethernet and Universal Serial Bus (USB) connectivity." See Cell Port Labs Press Release; see also Auto Electronics publication. One of ordinary skill in the art would understand that these interfaces are wired and comprise a connector for a temporary connection, and would be downloading interfaces to the CP2100 through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device.

Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to poll, filter, collect, process and store data collected from the vehicular network." Jones, 18:32-36. A person of

ordinary skill in the art would understand that CAN and RS232 are wired signal downloading interfaces, and would comprise "a connector for temporary connection."

Jones also discloses that there is a connector for connecting to a downloading device by disclosing that the RS232 connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure via a wireless modem connection, through the local Ethernet port **or through an available RS232 connection** using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).

With regard to claim 4, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals teaches all limitations of claim 4 requiring "*wherein said downloading interface comprises a wireless signal downloading interface*." The Cell Port Labs Press Release discloses that the CP2100 is "a universal gateway for real-time wireless data communication, extending the **Internet Protocol (IP) over wireless networks to the vehicle**. **Using the CP2100, application designers can seamlessly integrate enterprise software solutions or any other Internet accessible resource to vehicles around the world**. CellPort's new product enables the various data networks and electronic devices within a vehicle to function as a node on the Internet." Cell Port Labs Press Release (emphasis added).

Additionally, the Cell Port Labs Press Release discloses that the CP2100 includes "wireless gateway communications independent of wireless links." *Id.* Moreover, Cell Port Labs Press Release discloses that the CP2100 "[w]ireless airlink capabilities include cellular, spread spectrum radio, satellite and private radio." *Id.* Thus, one of ordinary skill in the art would understand from the disclosure of the Cell Port Labs Press Release that these interfaces would comprise "a wireless signal downloading interface."

Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses that "[a]nalog and digital signals are acquired using vehicular networks or common serial interfaces. Some vehicular networks also include **short range wireless LANs** for data collection and user interface requirements." Jones, 18:51-55 (emphasis added).

Jones also discloses that to manage the embedded computer apparatuses 22 includes "properly and securely reconfiguring software on the communications apparatus 22; properly and securely updating software on each such apparatus 22; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." *Id.* at 19:1-6. To that end, Jones further discloses that to achieve these objectives, "[t]he portal apparatus 310 communicates with each of the communications apparatuses 22a-22n, which may be embedded in different vehicles and constitute a fleet of vehicles, **by means of a wireless network 314**. The wireless network 314 can include **the Internet 320 and its associated technology**." *Id.* at 19:11-16 (emphasis added); *see also* Fig. 3. A person of ordinary skill in the art would understand that this disclosure implicitly discloses "a wireless signal downloading interface."

Jones also discloses that there is a wireless signal downloading interface for connecting to a downloading device by disclosing that a wireless modem connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure **via a wireless modem connection**, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).

With regard to claim 5, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals teaches all limitations of claim 5 requiring "*wherein said wireless signal downloading interface comprises a wireless receiver for temporary connection to a downloading device.*" The Cell Port Labs Press Release discloses that the CP2100 is "a universal gateway for real-time wireless data communication, extending the **Internet Protocol (IP) over wireless networks to the vehicle**. **Using the CP2100, application designers can seamlessly integrate enterprise software solutions or any other Internet accessible resource to vehicles around the world**. CellPort's new product enables the various data networks and electronic devices within a vehicle to function as a node on the Internet." Cell Port Labs Press Release (emphasis added).

Additionally, the Cell Port Labs Press Release discloses that the CP2100 includes "wireless gateway communications independent of wireless links." *Id.* Moreover, Cell Port Labs Press Release discloses that the CP2100 "[w]ireless airlink capabilities include cellular, spread spectrum radio, satellite and private radio." *Id.* Thus, one of ordinary skill in the art would understand from the disclosure of the Cell Port Labs Press Release that these interfaces would comprise "a wireless signal downloading interface," comprising "a wireless receiver for temporary connection" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device.

Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses that "[a]nalog and digital signals are acquired using vehicular networks or common serial interfaces. Some vehicular networks also include **short range wireless LANs** for data collection and user interface requirements." Jones, 18:51-55 (emphasis added).

Jones also discloses that to manage the embedded computer apparatuses 22 includes "properly and securely reconfiguring software on the communications apparatus 22; properly and securely updating software on each such apparatus 22; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." *Id.* at 19:1-6. To that end, Jones further discloses that to achieve these objectives, "[t]he portal apparatus 310 communicates with each of the communications apparatuses 22a-22n, which may be embedded in different vehicles and constitute a fleet of vehicles, **by means of a wireless network 314**. The wireless network 314 can include **the Internet 320 and its associated technology**." *Id.* at 19:11-16 (emphasis added); *see also* Fig. 3. A person of ordinary skill in the art would understand that this disclosure implicitly discloses "a wireless signal downloading interface compris[ing] a wireless receiver for temporary connection to a downloading device."

Jones also discloses that there is a wireless receiver for connecting to a downloading device by disclosing that a wireless modem connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure **via a wireless modem connection**, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).

With regard to claim 6, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals teaches all limitations of claim 6 requiring "*wherein the corresponding at least one vehicle code is for reading from the at least one vehicle device.*" The Cell Port Labs Press Release describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator,

provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Cell Port Labs Press Release (emphasis added). One of ordinary skill in the art would understand from this disclosure that these functions require reading the vehicle device code from the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.

Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to **poll, filter, collect, process and store data** collected from the vehicular network." Jones, 18:32-36 (emphasis added). Jones also discloses that "[d]ata from the host sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Jones, 18:48-51 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for reading from the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.

More specifically, Jones discloses that "The OBD-II 32 is available in at least certain vehicles for use in **providing engine related information**, such as engine speed, pressure of certain components, etc., using sensors that may be useful in diagnosing-vehicle engine faults. The IDB 28 is a relatively new standard bus found in vehicles that has a number of vehicle elements that **send/receive data** or other vehicle-related information, such as fuel management or other vehicle device data, using a protocol analogous to TCP/IP. These vehicle elements can include vehicle windows, doors, air bags, lights, etc. The CAN 36 is another communications

network within the vehicle for **providing information** from vehicle elements, such as automotive electronics including engine sensors, lamps, electric windows, etc." Jones, 5:19-33 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for reading from the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.

With regard to claim 7, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals teaches all limitations of claim 7 requiring "*wherein the corresponding at least one vehicle code is for writing to the at least one vehicle device.*" The Cell Port Labs Press Release describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines,** download code and run executable software." Cell Port Labs Press Release (emphasis added). One of ordinary skill in the art would understand from this disclosure that these functions require writing the vehicle device code to the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.

Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to **poll, filter, collect, process and store data** collected from the vehicular network." Jones, 18:32-36 (emphasis added). Jones also discloses that "[d]ata from the host sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Jones, 18:48-51 (emphasis added).

One of ordinary skill in the art would understand from this disclosure that the vehicle code is for writing to the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.

More specifically, Jones discloses that "The OBD-II 32 is available in at least certain vehicles for use in **providing engine related information**, such as engine speed, pressure of certain components, etc., using sensors that may be useful in diagnosing-vehicle engine faults. The IDB 28 is a relatively new standard bus found in vehicles that has a number of vehicle elements that **send/receive data** or other vehicle-related information, such as fuel management or other vehicle device data, using a protocol analogous to TCP/IP. These vehicle elements can include vehicle windows, doors, air bags, lights, etc. The CAN 36 is another communications network within the vehicle for **providing information** from vehicle elements, such as automotive electronics including engine sensors, lamps, electric windows, etc." Jones, 5:19-33 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for writing to the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.

With regard to claim 8, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals teaches all limitations of claim 8 requiring "*wherein said downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller*." The Cell Port Labs Press Release describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, provide GPS information, run diagnostic routines, reconfigure data collection routines, **download code and run executable software**." Cell Port Labs Press Release (emphasis added). Thus, the Cell Port Labs Press

Release discloses "downloading of at least one programming instruction for said multi-vehicle compatible controller."

Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses that to manage the embedded computer apparatuses 22 includes "**properly and securely reconfiguring software on the communications apparatus 22**; **properly and securely updating software on each such apparatus 22**; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." Jones, 19:1-6 (emphasis added).

Jones also discloses, generally, a detailed process for maintenance and/or configuration updates for the programming instructions for the multi-vehicle compatible controller, whereby reconfiguring or updating software on the communications apparatuses 22 is "preferably sent as a single file from the portal apparatus 310 to one or more selected communications apparatuses 22 through the wireless network 314." Jones, 20:37-39; *see also generally*, 19:60-21:46. Once the programming instruction is received, "the configuration manager 180 is responsible for extracting changes from the configuration in the file and applying them to the communications apparatus 22 in a shadow or mirror form." *Id.* at 20:54-58; *see also* 21:18-46.

With regard to claim 9, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals teaches all limitations of claim 9 requiring "*further comprising a remote transmitter; and wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.*" The Cell Port Labs Press Release further describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator,

provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Cell Port Labs Press Release (emphasis added). One of ordinary skill in the art would understand that the CP2100 would perform diagnostic routines or reconfigure data collection routines ("at least one vehicle remote control function) in response to a remote transmitter.

Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses that "[a] number of the disparate subsystems 20 are electrically connected to one or more nodes 80 that are associated with a particular **sender and/or receiver** of the data/information in association with or part of the disparate subsystems 20. Representative of the nodes 80 are nodes 80a-80g. The node1 80a can include **an external application that is located outside of the vehicle and is wirelessly connected to the disparate subsystem IP stack 24**. By way of example, an application running on a computer station remote from a vehicle may receive vehicle data that it processes for providing a desired report." Jones, 5:54-64 (emphasis added). Jones implicitly discloses a remote transmitter in element 314 of Figure 3. Jones, Fig. 3.

Jones also discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to **poll, filter, collect, process and store data** collected from the vehicular network." Jones, 18:32-36 (emphasis added). Jones also discloses that "[d]ata from the host sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Jones, 18:48-51 (emphasis added). One of ordinary skill in the art would understand that this disclosure

would encompass the multi-vehicle compatible controller performing at least one vehicle remote control function responsive to a remote transmitter.

With regard to claim 10, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals teaches all limitations of claim 10 requiring "*wherein the at least one vehicle remote control function comprises at least one of a vehicle security function, a remote keyless entry function, and a remote engine starting function*." The Cell Port Labs Press Release discloses that "[t]he CP2100 supports a variety of emerging vehicle bus interfaces, including IDB, J1708, J1850, CAN and ODBII." Cell Port Labs Press Release.

SAE J2178/1, starting on page 200 of the 1994 SAE HS-3000 Manual, discloses that vehicle device codes can relate to at least one of a vehicle security function, a remote keyless entry function, and a remote engine starting function. For example, Table 10, provides the "physical address assignment ranges for nodes on a network." (Page 208, SAE J2178/1, Section 7, "Physical Address Assignment"). As illustrated in this table, the "security" (alarm indicating devices) codes can be transmitted using messages having addresses in the range (hex) C0-C7. The addresses from C000-C0FF are reserved for SAE standard codes, and for manufacturer specified codes may range from C100-C7FF. The SAE HS-3000 Manuals also disclose remote lock for keyless entry as well as door locks for vehicle security functions. *See e.g.*, 1997 version of SAE HS-3000 Manual, Remote lock w/ Transmitter ID having PRN C001, Table 32, page 150; 1994 SAE HS 3000 Manual, Door lock cylinder state, Table 16, page 222 with PRN of A010; *see also*, Ignition Switch Position, page 229 with PRN 1047 of 1994 SAE HS-3000 Manual.

Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses that "[a]

number of the disparate subsystems 20 are electrically connected to one or more nodes 80 that are associated with a particular sender and/or receiver of the data/information in association with or part of the disparate subsystems 20. Representative of the nodes 80 are nodes 80a-80g. The node1 80a can include **an external application that is located outside of the vehicle and is wirelessly connected to the disparate subsystem IP stack 24**. By way of example, an application running on a computer station remote from a vehicle may receive vehicle data that it processes for providing a desired report." Jones, 5:54-64 (emphasis added). Jones implicitly discloses a remote transmitter in element 314 of Figure 3. Jones, Fig. 3.

Jones also discloses: "The OBD-II 32 is available in at least certain vehicles for use in providing engine related information, such as engine speed, pressure of certain components, etc., using sensors that may be useful in diagnosing-vehicle engine faults. The IDB 28 is a relatively new standard bus found in vehicles that has a number of vehicle elements that **send/receive data** or other vehicle-related information, such as fuel management or other vehicle device data, using a protocol analogous to TCP/IP. These vehicle elements can include **vehicle windows, doors, air bags, lights, etc**. The CAN 36 is another communications network within the vehicle for providing information from vehicle elements, such as automotive electronics including engine sensors, lamps, electric windows, etc." Jones, 5:19-33 (emphasis added). Additionally, Jones discloses that "[t]he node3 80c may also be characterized as one or more vehicle elements associated with vehicle engine functions that are connected to the OBD 32." Jones, 5:66-6:2.

With regard to claim 11, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals teaches all limitations of claim 11 requiring "*wherein said wireless position determining device comprises a Global Positioning*

System (GPS) receiver." The Cell Port Labs Press Release describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, **provide GPS information**, run diagnostic routines, reconfigure data collection routines, download code and run executable software." Cell Port Labs Press Release (emphasis added). Thus, the Cell Port Labs Press Release discloses that the CP2100, in providing GPS information, comprises "a Global Positioning System (GPS) receiver."

Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses a communication apparatus "contained within a vehicle having a number of disparate subsystems. The disparate subsystems include protocol based units and close-ended devices." Jones, 1:57-59. Jones further discloses that "[a]n example of such a close-ended device might be a global position system (GPS) that is useful in providing vehicle location information or a hardware device, such as a vehicle sensor from which data can be obtained for a particular vehicle component to which the sensor is operably connected[.]" Jones, 1-6; *see also* Fig. 1, elements 26 and 112.

With regard to claim 12, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals teaches all limitations of claim 12 requiring "*further comprising a housing containing said vehicle position determining device, said wireless communications device, said multi-vehicle compatible controller, and said downloading interface*." The Cell Port Labs Press Release discloses that the CP2100 has a housing containing said vehicle position determining device, said wireless communications device, said multi-vehicle compatible controller, and said downloading interface. See housing depicted in Auto Electronics publication.

With regard to claim 13, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals discloses all of the limitations of Claim 13. Claim 13 is nearly identical to Claim 1, with only the addition of the feature "*said downloading interface comprising a connector for temporary connection to a downloading device*."

The Cell Port Labs Press Release discloses that the CP2100 "support[s] RS232, Ethernet and Universal Serial Bus (USB) connectivity." *See* Cell Port Labs Press Release; *see also* Auto Electronics publication. One of ordinary skill in the art would understand that these interfaces are connectors for a temporary connection, and would be downloading interfaces to the CP2100 through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device.

Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to poll, filter, collect, process and store data collected from the vehicular network." Jones, 18:32-36. A person of ordinary skill in the art would understand that CAN and RS232 are wired signal downloading interfaces, and would comprise "a connector for temporary connection."

Jones also discloses that there is a connector for connecting to a downloading device by disclosing that the RS232 connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure via a wireless modem connection, through the local Ethernet port **or through an available RS232 connection** using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).

With regard to claim 14, as set out above with respect to Claim 6, and as set forth in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals discloses all the limitations of Claim 14.

With regard to claim 15, as set out above with respect to Claim 7, and as set forth in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals discloses all the limitations of Claim 15.

With regard to claim 16, as set out above with respect to Claim 8, and as set forth in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals discloses all the limitations of Claim 16.

With regard to claim 17, as set out above with respect to Claim 9, and as set forth in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals discloses all the limitations of Claim 17.

With regard to claim 18, as set out in detail in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals discloses all of the limitations of Claim 18. Claim 18 is nearly identical to Claim 1, with only the addition of the feature "*said downloading interface comprising a wireless receiver for temporary connection to a downloading device*."

The Cell Port Labs Press Release discloses that the CP2100 is "a universal gateway for real-time wireless data communication, extending the **Internet Protocol (IP) over wireless networks to the vehicle**. **Using the CP2100, application designers can seamlessly integrate enterprise software solutions or any other Internet accessible resource to vehicles around the world**. CellPort's new product enables the various data networks and electronic devices within a vehicle to function as a node on the Internet." Cell Port Labs Press Release (emphasis added).

Additionally, the Cell Port Labs Press Release discloses that the CP2100 includes "wireless gateway communications independent of wireless links." *Id.* Moreover, Cell Port Labs Press Release discloses that the CP2100 "[w]ireless airlink capabilities include cellular, spread spectrum radio, satellite and private radio." *Id.* Thus, one of ordinary skill in the art would understand from the disclosure of the Cell Port Labs Press Release that these interfaces would comprise "a wireless signal downloading interface," comprising "a wireless receiver for temporary connection" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device.

Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses that "[a]nalog and digital signals are acquired using vehicular networks or common serial interfaces. Some vehicular networks also include **short range wireless LANs** for data collection and user interface requirements." Jones, 18:51-55 (emphasis added).

Jones also discloses that to manage the embedded computer apparatuses 22 includes "properly and securely reconfiguring software on the communications apparatus 22; properly and securely updating software on each such apparatus 22; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." *Id.* at 19:1-6. To that end, Jones further discloses that to achieve these objectives, "[t]he portal apparatus 310 communicates with each of the communications apparatuses 22 a-22 n, which may be embedded in different vehicles and constitute a fleet of vehicles, **by means of a wireless network 314**. The wireless network 314 can include **the Internet 320 and its associated technology**." *Id.* at 19:11-16 (emphasis added); *see also* Fig. 3. A person of ordinary skill in the art would understand that

this disclosure implicitly discloses "a wireless signal downloading interface compris[ing] a wireless receiver for temporary connection to a downloading device."

Jones also discloses that there is a wireless receiver for connecting to a downloading device by disclosing that a wireless modem connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure **via a wireless modem connection**, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).

With regard to claim 19, as set out above with respect to Claim 6, and as set forth in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals discloses all the limitations of Claim 19.

With regard to claim 20, as set out above with respect to Claim 7, and as set forth in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals discloses all the limitations of Claim 20.

With regard to claim 21, as set out above with respect to Claim 8, and as set forth in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals discloses all the limitations of Claim 21.

With regard to claim 22, as set out above with respect to Claim 9, and as set forth in Exhibit D, the Cell Port Labs Press Release in view of Spelt, Jones, and the SAE HS-3000 Manuals discloses all the limitations of Claim 22.

C. ***Claims 1-22 are Unpatentable over Jones in combination with the inherent disclosure of the SAE HS-3000 Manuals***

Each and every limitation of claims 1 through 22 is disclosed by Jones in combination with the inherent disclosure of the SAE HS-3000 Manuals as shown in detail in the claim chart attached as Exhibit E. Accordingly, the following proposed rejections are appropriate.

Claims 1 through 22 are rejected under 35 U.S.C. § 102(a) and (b) (as a multiple reference 35 U.S.C. § 102 rejection according to MPEP 2131.01) as being unpatentable over Jones including its inherent disclosures as explained by extrinsic evidence including the SAE HS-3000 Manuals. If the Patent Office deems that the multi-reference 35 U.S.C. § 102 proposed rejection is not appropriate, Requester submits that these same claims are appropriately rejected under 35 U.S.C. § 103(a) based upon the same combinations of references disclosed herein.

With regard to claim 1, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals teaches all limitations of claim 1. Specifically, these references teach:

- *A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible tracking unit comprising*: Jones discloses a multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle (e.g., IDB 28, OBD-II 32, CAN 36, and Standard Serial Bus 44) and at least one vehicle device (e.g., Nodes 80b-80h). Jones, Fig. 1.
- *a vehicle position determining device*: Jones discloses a communication apparatus "contained within a vehicle having a number of disparate subsystems. The disparate subsystems include protocol based units and close-ended devices."

Jones, 1:57-59. Jones further discloses that "[a]n example of such a close-ended device might be a global position system (GPS) that is useful in providing vehicle location information or a hardware device, such as a vehicle sensor from which data can be obtained for a particular vehicle component to which the sensor is operably connected[.]" Jones, 1-6; *see also* Fig. 1, elements 26 and 112.

- *a wireless communications device:* Jones discloses a wireless communications device by disclosing a cellphone 64 and wireless network 314. Jones, Fig. 1; *see also* 5:52-53. "The cellphone 64 is a useful communications tool in sending/receiving analog voice or digital data." Jones, 5:52-53; *see e.g.*, Fig. 3, wireless communications devices 22a-22n (which are part of the CP2100). Jones, Fig. 3. "FIG. 3 illustrates a system 300 characterized by a management portal apparatus or module 310. The portal apparatus 310 is separate and remote from each of a plurality of communications apparatuses 22a, 22b ... 22n. The portal apparatus 310 communicates with each of the communications apparatuses 22a-22n, which may be embedded in different vehicles and constitute a fleet of vehicles, by **means of a wireless network 314**. The wireless network 314 can include the Internet 320 and its associated technology." Jones, 19:7-16 (emphasis added).
- *a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information:* Jones discloses a Cell Port Labs CP2100 Mobile Network Server (hereinafter, "CP2100") as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-

vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1.

- Jones also discloses that "[t]he system includes a plurality of disparate subsystems 20 and a communications apparatus 22. The disparate subsystems 20 in a vehicle can include one or more of the following components: Internet protocol (IP) stacks 24; **a global positioning system (GPS) 26**…." Jones, 4:55-60 (emphasis added).
- *said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles:* The CP2100 is coupled to the vehicle data bus for communication with at least one vehicle device using a corresponding vehicle device code from among a plurality of vehicle device codes for different vehicles. In particular, the CP2100 supports a variety of different vehicle busses, including IDB, OBD-II and CAN. *See e.g.*, Jones, 4:57-63: "The disparate subsystems 20 in a vehicle can include one or more of the following components: Internet protocol (IP) stacks 24; a global positioning system (GPS) 26; **an intelligent transportation system data bus (IDB) 28; an onboard diagnostics (OBD-II) 32; a controller area network (CAN) 36**."
- Jones discloses a configuration packet 300 which requests OBD-II data from vehicle devices. *See* Jones, Fig. 2. The configuration packet 300 must specify "a destination, services that might be invoked, and data or other information being

requested." Jones, 14:67-15:1. In other words, the process described in Figure 2 of Jones implicitly discloses that the multi-vehicle compatible controller must implement the SAE bus discovery process described in SAE J1978. Once the bus discovery protocol is performed, the CP2100 identifies the type of vehicle to the remote host, thereby determining which vehicle codes to use from the plurality of stored vehicle codes. The remote host then provides enabling data to configure the CP2100 to use appropriate device codes to run diagnostic routines and perform data collection routines for that specific type of vehicle.

- The "SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual" with multiple publication dates including 1994 and 1997, hereinafter the 1994 HS-3000 Manual and the 1997 HS-3000 Manual, is a book that is a collection of standards for the On-Board Diagnostics (OBD) and provides the details and recommended practices of the OBDII bus interfaces utilized within the CP 2100.
- In particular, the SAE HS-3000 Manual discloses that a device code on the vehicle data bus can be an SAE standard and/or one of seven manufacturer specific version of the device code. *See e.g.*, 1994 SAE HS-3000 Manual, page 213, Section 4 of SAE J2178/2. Furthermore, the 1994 SAE HS-3000 Manual discloses a bus discovery process involving reading different versions of a mode 1 PID 0 device code from the data communications bus and determining a match between a read device code and a stored device code. *See e.g.*, 1994 SAE HS-3000 Manual, page 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978. It is the implementation of this standard that enables the CP2100 to have the "hot plug-and-play" capabilities demonstrated in the SAE IDB Demo98 Demonstration

Program in which the ability of the CP2100 to perform bus discovery to connect and communicate with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBD-II connector of each vehicle was demonstrated.

- The "multi-vehicle compatible controller" language, defined as requiring a CPU, a memory, and input/output circuitry is taught by Jones. Specifically, Jones teaches a CPU (claims 21 and 22; 1:32-34; 18:66-19:6), a memory (5:33-35; 8:35-40; 21:55-58), and input/output circuitry (4:60-67; 5:35-53) as required for the "multi-vehicle compatible controller." Jones teaches all of the elements set forth in the Examiner's 35 U.S.C. § 112 interpretation for performing the function of "cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information" and "to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles."
- *a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller:* Jones discloses a Cell Port Labs CP2100 Mobile Network Server (hereinafter, "CP2100") as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1.

- By disclosing that "the portal apparatus facilitates downloading of software configurations and updates to each communications apparatus in the vehicles of the particular fleet, as well as **facilitating the obtaining of vehicle operational data and other information including diagnostic data and status information including fault-related data**" (Jones, 4:1-6 (emphasis added)), Jones discloses enabling data and directing which vehicle device codes to use to obtain vehicle operational data, diagnostics data, status and fault related data for a particular type of vehicle. For example, Figure 2 of Jones shows the configuration packet 300 containing an OBD-II field which requires a number of fields "to identify the particular subsystem from which [vehicle operational] data is being requested" from OBD-II subsystem 32, where said fields are configured in configuration packet 300 according to the particular vehicle device codes that are used for that particular vehicle. Jones, 15:32-37.
- Jones also discloses that the downloading of updates includes enabling data with respect to specific vehicle devices to enable "plug and play" without any requirement to modify the vehicle device for communication with the CP2100 (i.e. the CP2100 achieves its "plug and play" capability by downloading the device codes and protocols necessary to communicate with the device). For example, Jones discloses that "[b]ased on the foregoing summary, a number of salient aspects of the present invention are readily identified. **Transfers of information including data relative to different devices, buses and/or networks are substantially seamlessly achieved**. Such transfers can be accomplished among these different subsystems without requiring that they be modified, thereby

achieving a **"plug and play"** result. The disparate subsystems include protocol dependent components as well as close-ended devices at which data flow originates or is terminated, such as a GPS." Jones, 4:7-15 (emphasis added).

With regard to claim 2, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals teaches all limitations of claim 2 requiring "*wherein said downloading interface comprises a wired signal downloading interface*." Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to poll, filter, collect, process and store data collected from the vehicular network." Jones, 18:32-36. A person of ordinary skill in the art would understand that RS232 is a wired signal downloading interface of a type that is routinely utilized to download software updates.

Jones also discloses that there is a wired signal downloading interface for connecting to a downloading device by disclosing that the RS232 connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure via a wireless modem connection, through the local Ethernet port **or through an available RS232 connection** using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).

With regard to claim 3, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals teaches all limitations of claim 3 requiring "*wherein said wired signal downloading interface comprises a connector for temporary connection to a downloading device*." Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to poll, filter, collect, process and store data collected

from the vehicular network." Jones, 18:32-36. A person of ordinary skill in the art would understand that RS232 is a wired signal downloading interface. When such an interface is connected to another device, the device is connected via a connector that is "a connector for temporary connection" to the downloading device.

Jones also discloses that there is a connector for connecting to a downloading device by disclosing that the RS232 connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure via a wireless modem connection, through the local Ethernet port **or through an available RS232 connection** using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).

With regard to claim 4, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals teaches all limitations of claim 4 requiring "*wherein said downloading interface comprises a wireless signal downloading interface.*" Jones discloses that "[a]nalog and digital signals are acquired using vehicular networks or common serial interfaces. Some vehicular networks also include **short range wireless LANs** for data collection and user interface requirements." Jones, 18:51-55 (emphasis added).

Jones also discloses that to manage the embedded computer apparatuses 22 includes "properly and securely reconfiguring software on the communications apparatus 22; properly and securely updating software on each such apparatus 22; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." *Id.* at 19:1-6. To that end, Jones further discloses that to achieve these objectives, "[t]he portal apparatus 310 communicates with each of the communications apparatuses 22 a-22 n, which may be embedded in different

vehicles and constitute a fleet of vehicles, **by means of a wireless network 314**. The wireless network 314 can include **the Internet 320 and its associated technology**." *Id.* at 19:11-16 (emphasis added); *see also* Fig. 3. A person of ordinary skill in the art would understand that this disclosure implicitly discloses "a wireless signal downloading interface."

Jones also discloses that there is a wireless signal downloading interface for connecting to a downloading device by disclosing that a wireless modem connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure **via a wireless modem connection**, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).

With regard to claim 5, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals teaches all limitations of claim 5 requiring "*wherein said wireless signal downloading interface comprises a wireless receiver for temporary connection to a downloading device*." Jones discloses that "[a]nalog and digital signals are acquired using vehicular networks or common serial interfaces. Some vehicular networks also include **short range wireless LANs** for data collection and user interface requirements." Jones, 18:51-55 (emphasis added).

Jones also discloses that to manage the embedded computer apparatuses 22 includes "properly and securely reconfiguring software on the communications apparatus 22; properly and securely updating software on each such apparatus 22; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." *Id.* at 19:1-6. To that end, Jones further discloses that to achieve these objectives, "[t]he portal apparatus 310 communicates with

each of the communications apparatuses 22 a-22 n, which may be embedded in different vehicles and constitute a fleet of vehicles, **by means of a wireless network 314**. The wireless network 314 can include **the Internet 320 and its associated technology**." *Id.* at 19:11-16 (emphasis added); *see also* Fig. 3. A person of ordinary skill in the art would understand that this disclosure implicitly discloses "a wireless signal downloading interface compris[ing] a wireless receiver for temporary connection to a downloading device."

Jones also discloses that there is a wireless receiver for connecting to a downloading device by disclosing that a wireless modem connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure **via a wireless modem connection**, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).

With regard to claim 6, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals teaches all limitations of claim 6 requiring "*wherein the corresponding at least one vehicle code is for reading from the at least one vehicle device*." Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to **poll, filter, collect, process and store data** collected from the vehicular network." Jones, 18:32-36 (emphasis added). Jones also discloses that "[d]ata from the host sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Jones, 18:48-51 (emphasis added). One of ordinary skill in the art would understand from this

disclosure that the vehicle code is for reading from the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.

More specifically, Jones discloses that "The OBD-II 32 is available in at least certain vehicles for use in **providing engine related information**, such as engine speed, pressure of certain components, etc., using sensors that may be useful in diagnosing-vehicle engine faults. The IDB 28 is a relatively new standard bus found in vehicles that has a number of vehicle elements that **send/receive data** or other vehicle-related information, such as fuel management or other vehicle device data, using a protocol analogous to TCP/IP. These vehicle elements can include vehicle windows, doors, air bags, lights, etc. The CAN 36 is another communications network within the vehicle for **providing information** from vehicle elements, such as automotive electronics including engine sensors, lamps, electric windows, etc." Jones, 5:19-33 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for reading from the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.

With regard to claim 7, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals teaches all limitations of claim 7 requiring "*wherein the corresponding at least one vehicle code is for writing to the at least one vehicle device*." Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to **poll, filter, collect, process and store data** collected from the vehicular network." Jones, 18:32-36 (emphasis added). Jones also discloses that "[d]ata from the host sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Jones,

18:48-51 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for writing to the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.

More specifically, Jones discloses that "The OBD-II 32 is available in at least certain vehicles for use in **providing engine related information**, such as engine speed, pressure of certain components, etc., using sensors that may be useful in diagnosing-vehicle engine faults. The IDB 28 is a relatively new standard bus found in vehicles that has a number of vehicle elements that **send/receive data** or other vehicle-related information, such as fuel management or other vehicle device data, using a protocol analogous to TCP/IP. These vehicle elements can include vehicle windows, doors, air bags, lights, etc. The CAN 36 is another communications network within the vehicle for **providing information** from vehicle elements, such as automotive electronics including engine sensors, lamps, electric windows, etc." Jones, 5:19-33 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for writing to the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.

With regard to claim 8, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals teaches all limitations of claim 8 requiring "*wherein said downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller.*" Jones discloses that to manage the embedded computer apparatuses 22 includes "**properly and securely reconfiguring software on the communications apparatus 22**; **properly and securely updating software on each such apparatus 22**; diagnosing problems associated with each

communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." Jones, 19:1-6 (emphasis added).

Jones also discloses, generally, a detailed process for maintenance and/or configuration updates for the programming instructions fot he multi-vehicle compatible controller, whereby reconfiguring or updating software on the communications apparatuses 22 is "preferably sent as a single file from the portal apparatus 310 to one or more selected communications apparatuses 22 through the wireless network 314." Jones, 20:37-39; *see also generally*, 19:60-21:46. Once the programming instruction is received, "the configuration manager 180 is responsible for extracting changes from the configuration in the file and applying them to the communications apparatus 22 in a shadow or mirror form." *Id.* at 20:54-58; *see also* 21:18-46.

With regard to claim 9, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals teaches all limitations of claim 9 requiring "*further comprising a remote transmitter; and wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.*" Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses that "[a] number of the disparate subsystems 20 are electrically connected to one or more nodes 80 that are associated with a particular **sender and/or receiver** of the data/information in association with or part of the disparate subsystems 20. Representative of the nodes 80 are nodes 80a-80g. The node1 80a can include **an external application that is located outside of the vehicle and is wirelessly connected to the disparate subsystem IP stack 24**. By way of example, an application running on a computer station remote from a vehicle may receive vehicle data that it processes for

providing a desired report." Jones, 5:54-64 (emphasis added). Jones implicitly discloses a remote transmitter in element 314 of Figure 3. Jones, Fig. 3.

Jones also discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to **poll, filter, collect, process and store data** collected from the vehicular network." Jones, 18:32-36 (emphasis added). Jones also discloses that "[d]ata from the host sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Jones, 18:48-51 (emphasis added). One of ordinary skill in the art would understand that this disclosure would encompass the multi-vehicle compatible controller performing at least one vehicle remote control function responsive to a remote transmitter.

With regard to claim 10, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals discloses all of the limitations of Claim 10 requiring "*wherein the at least one vehicle remote control function comprises at least one of a vehicle security function, a remote keyless entry function, and a remote engine starting function*." Jones discloses that "[a] number of the disparate subsystems 20 are electrically connected to one or more nodes 80 that are associated with a particular **sender and/or receiver** of the data/information in association with or part of the disparate subsystems 20. Representative of the nodes 80 are nodes 80a-80g. The node1 80a can include **an external application that is located outside of the vehicle and is wirelessly connected to the disparate subsystem IP stack 24**. By way of example, an application running on a computer station remote from a vehicle may receive vehicle data that it processes for providing a desired report." Jones, 5:54-64

(emphasis added). Jones implicitly discloses a remote transmitter in element 314 of Figure 3. Jones, Fig. 3.

Jones also discloses: "The OBD-II 32 is available in at least certain vehicles for use in providing engine related information, such as engine speed, pressure of certain components, etc., using sensors that may be useful in diagnosing-vehicle engine faults. The IDB 28 is a relatively new standard bus found in vehicles that has a number of vehicle elements that **send/receive data** or other vehicle-related information, such as fuel management or other vehicle device data, using a protocol analogous to TCP/IP. These vehicle elements can include **vehicle windows, doors, air bags, lights, etc**. The CAN 36 is another communications network within the vehicle for providing information from vehicle elements, such as automotive electronics including engine sensors, lamps, electric windows, etc." Jones, 5:19-33 (emphasis added). Additionally, Jones discloses "The node3 80c may also be characterized as one or more vehicle elements associated with vehicle engine functions that are connected to the OBD 32." Jones, 5:66-6:2.

The 1994 SAE HS-3000 Manual and the 1997 SAE HS-3000 Manual is a collection of standards for the On-Board Diagnostics (OBD) and provides the details and recommended practices of the OBDII bus interfaces utilized within the CP2100 (disclosed in Fig. 3).

SAE J2178/1, starting on page 200 of the 1994 SAE HS-3000 Manual, discloses that vehicle device codes can relate to at least one of a vehicle security function, a remote keyless entry function, and a remote engine starting function. For example, Table 10, provides the "physical address assignment ranges for nodes on a network." (Page 208, SAE J2178/1, Section 7, "Physical Address Assignment"). As illustrated in this table, the "security" (alarm indicating devices) codes can be transmitted using messages having addresses in the range (hex) C0-C7.

The addresses from C000-C0FF are reserved for SAE standard codes, and for manufacturer specified codes may range from C100-C7FF. The SAE HS-3000 Manuals also disclose remote lock for keyless entry as well as door locks for vehicle security functions. *See e.g.*, 1997 version of SAE HS-3000 Manual, Remote lock w/ Transmitter ID having PRN C001, Table 32, page 150; 1994 SAE HS 3000 Manual, Door lock cylinder state, Table 16, page 222 with PRN of A010; *see also*, Ignition Switch Position, page 229 with PRN 1047 of 1994 SAE HS-3000 Manual.

With regard to claim 11, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals teaches all limitations of claim 11 requiring "*wherein said wireless position determining device comprises a Global Positioning System (GPS) receiver.*" Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. Jones discloses a communication apparatus "contained within a vehicle having a number of disparate subsystems. The disparate subsystems include protocol based units and close-ended devices." Jones, 1:57-59. Jones further discloses that "[a]n example of such a close-ended device might be a global position system (GPS) that is useful in providing vehicle location information or a hardware device, such as a vehicle sensor from which data can be obtained for a particular vehicle component to which the sensor is operably connected[.]" Jones, 1-6; *see also* Fig. 1, elements 26 and 112.

With regard to claim 12, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals teaches all limitations of claim 12 requiring "*further comprising a housing containing said vehicle position determining device, said wireless communications device, said multi-vehicle compatible controller, and said downloading interface.*" Jones discloses a housing containing said vehicle position determining device, said

wireless communications device, said multi-vehicle compatible controller, and said downloading interface in nodes 22a through 22n of Figure 3. *See* Jones, Fig. 3; *see also*, Auto Electronics publication.

With regard to claim 13, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals discloses all of the limitations of Claim 13. Claim 13 is nearly identical to Claim 1, with only the addition of the feature "*said downloading interface comprising a connector for temporary connection to a downloading device*."

Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to poll, filter, collect, process and store data collected from the vehicular network." Jones, 18:32-36. A person of ordinary skill in the art would understand that RS232 is a downloading interface. When such an interface is connected to another device, the device is connected via a connector that is "a connector for temporary connection" to the downloading device.

Jones also discloses that there is a connector for connecting to a downloading device by disclosing that multiple types of connections can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure via a wireless modem connection, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19.

With regard to claim 14, as set out above with respect to Claim 6, and as set forth in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals discloses all the limitations of Claim 14.

With regard to claim 15, as set out above with respect to Claim 7, and as set forth in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals discloses all the limitations of Claim 15.

With regard to claim 16, as set out above with respect to Claim 8, and as set forth in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals discloses all the limitations of Claim 16.

With regard to claim 17, as set out above with respect to Claim 9, and as set forth in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals discloses all the limitations of Claim 17.

With regard to claim 18, as set out in detail in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals discloses all of the limitations of Claim 18. Claim 18 is nearly identical to Claim 1, with only the addition of the feature "*said downloading interface comprising a wireless receiver for temporary connection to a downloading device*."

Jones discloses that "[a]nalog and digital signals are acquired using vehicular networks or common serial interfaces. Some vehicular networks also include **short range wireless LANs** for data collection and user interface requirements." Jones, 18:51-55 (emphasis added).

Jones also discloses that to manage the embedded computer apparatuses 22 includes "properly and securely reconfiguring software on the communications apparatus 22; properly and securely updating software on each such apparatus 22; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." *Id.* at 19:1-6. To that end, Jones further discloses that to achieve these objectives, "[t]he portal apparatus 310 communicates with each of the communications apparatuses 22 a-22 n, which may be embedded in different

vehicles and constitute a fleet of vehicles, **by means of a wireless network 314**. The wireless network 314 can include **the Internet 320 and its associated technology**." *Id.* at 19:11-16 (emphasis added); *see also* Fig. 3. A person of ordinary skill in the art would understand that this disclosure implicitly discloses "a downloading interface compris[ing] a wireless receiver for temporary connection to a downloading device."

Jones also discloses that there is a wireless receiver for connecting to a downloading device by disclosing that a wireless modem connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure **via a wireless modem connection**, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).

With regard to claim 19, as set out above with respect to Claim 6, and as set forth in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals discloses all the limitations of Claim 19.

With regard to claim 20, as set out above with respect to Claim 7, and as set forth in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals discloses all the limitations of Claim 20.

With regard to claim 21, as set out above with respect to Claim 8, and as set forth in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals discloses all the limitations of Claim 21.

With regard to claim 22, as set out above with respect to Claim 9, and as set forth in Exhibit E, Jones as understood in view of the inherent disclosures of the SAE HS-3000 Manuals discloses all the limitations of Claim 22.

VIII. CONCLUSION

The prior art described herein, especially the Cell Port Labs Press Release, Spelt, and Jones references, raise substantial new questions of patentability with respect to the claims of the Flick '278 patent. As shown in detail above, and in the attached claim charts, the elements of each claim were disclosed in the prior art. Based on the teachings of the prior art described previously, claims 1 through 22 of the Flick '278 patent fail to satisfy the requirements for patentability set out in 35 U.S.C. § 102 and/or 35 U.S.C. § 103, and are therefore unpatentable. For these reasons, and those more fully stated above and in the attached claim charts, it is respectfully requested that this Request for *ex parte* Reexamination be granted and that all claims of the Flick '278 patent be Finally Rejected.

Dated: May 24, 2019

Respectfully Submitted,

/David J. Bailey/

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CERTIFICATE OF SERVICE

Certificate of Service in compliance with 37 C.F.R. § 1.510(b)(5)

Pursuant to 37 C.F.R. § 1.510(b)(5) and 37 C.F.R. § 1.33(c), I hereby certify that on May 24, 2019, a complete copy of this *ex parte* reexamination request, including the accompanying transmittal, FORM PTO/SB/42, and all attachments and exhibits, are being served via First Class U.S. Mail upon Patent Owner at the correspondence address as shown in PAIR:

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In accordance with 37 C.F.R. § 1.510(b)(5), on May 24, 2019.

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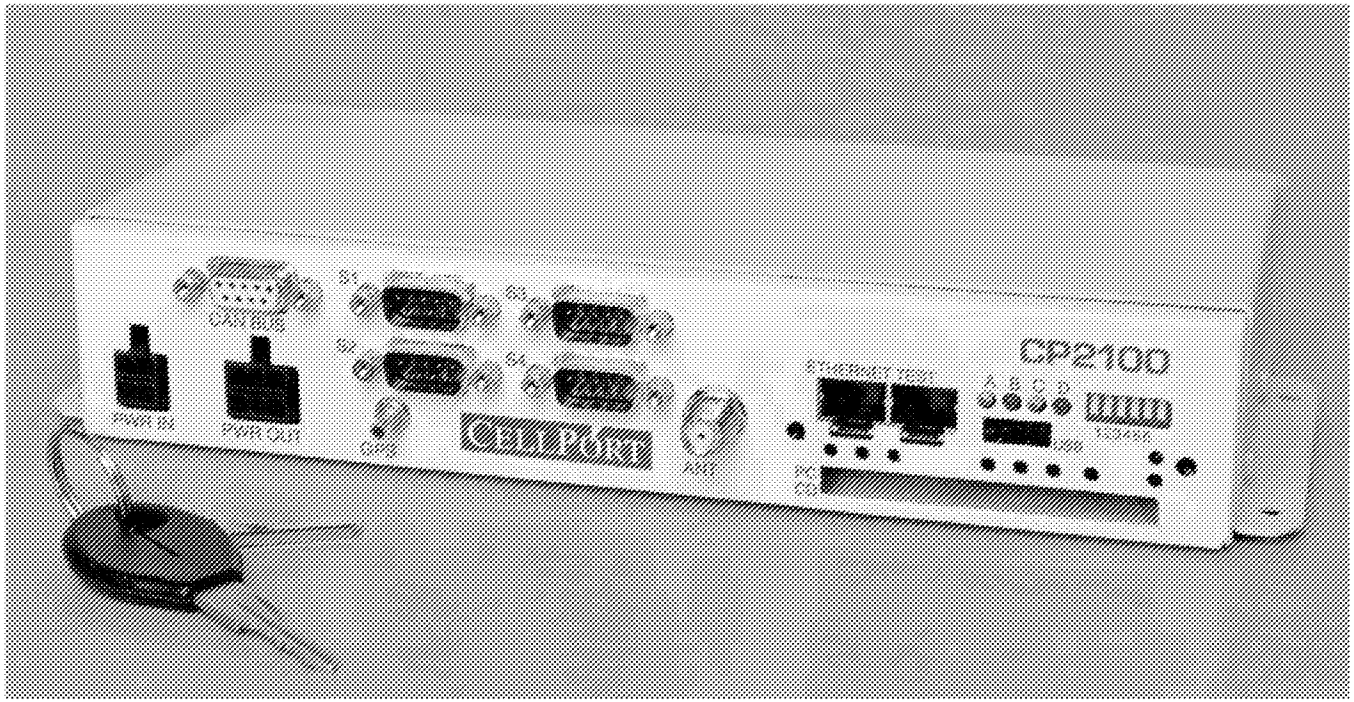
'278 CLAIM	**PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals**
1A A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible tracking unit comprising:	Cell Port Labs, Inc. (hereinafter, "Cell Port Labs") developed the CP2100 which was "a mobile network server designed to enable bi-directional data communications and network management functions within vehicles and provide real-time, wireless connectivity between vehicles and remote applications." *CellPort Delivers Wireless, Vehicle-Based Applications Platform; Announces CP2100 Mobile Network Server*, PRNEWSWIRE, July 26, 1999 (hereinafter, "Cell Port Labs Press Release"). A photo of the CP2100, reproduced below, illustrates a multi-vehicle compatible tracking unit for a vehicle that includes a vehicle data bus extending throughout the vehicle.  Prices for CellPort Labs' CP2100 Mobile Network Server start at $995, including interfaces to vehicle networks, such as CAN and J1850, and to wireless networks, such as cellular, paging, and personal communications systems. Maury Wright, *Prep for a Multimedia Future*, EDN MAGAZINE, Aug. 19, 1999, at 84 (illustrating photo of CP2100) (hereinafter, "Auto Electronics publication").

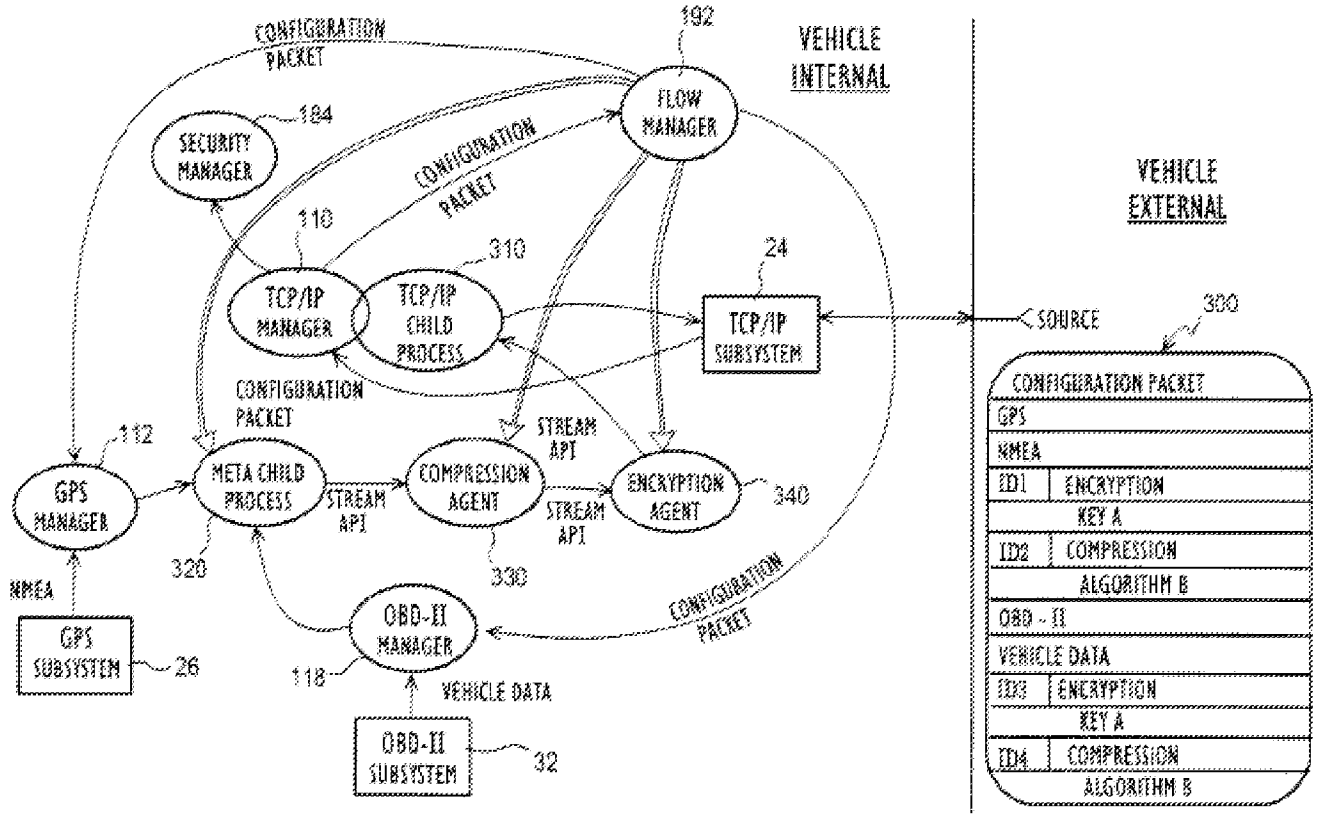
'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
	In particular, the CP2100 interfaces to a vehicle data bus (i.e. vehicle networks, such as CAN and J1850). *See also* CAN BUS interface illustrated above. Moreover, the Cell Port Labs Press Release states that "CellPort offers the first commercial product designed specifically to manage the growing list of in-vehicle networks, including IDB, CAN, USB and more." Cell Port Labs Press Release. The Cell Port Labs Press Release also states that "[t]he CP2100 supports a variety of emerging vehicle bus interfaces, including **IDB, J1708, J1850,** CAN and **ODBII**." Cell Port Labs Press Release (emphasis added). The "SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual" with multiple publication dates including 1994 and 1997 (hereinafter the "1994 SAE HS-3000 Manual" and the "1997 SAE HS-3000 Manual"), provides the implementation details and recommended practices of the J1708, J1850 and OBDII bus interfaces. The CP2100 is "multi-vehicle compatible" as described in Cell Port Labs Press Release: "[t]he technical features of ***the CP2100 include protocol conversion for a variety of vehicle buses and devices***, wireless gateway communications independent of wireless links, and embedded application router management capabilities." Cell Port Labs Press Release (emphasis added). Specifically, the Cell Port Labs Press Release notes in "THE CP2100 IN USE" section that Cell Port Labs was a participant in the IDB Demonstration Program, whereby it "provided connectivity to the Internet for many IDB-based vehicle systems on three IDB demonstration vehicles." *Id*. As will be discussed below, the IDB demonstration involved demonstrating the capability of the CP2100 utilizing the bus discovery protocols contained within the SAE standards to provide "plug-and play" connectivity with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBDII connector contained within each of the vehicles. The publication titled "A Demonstration Project for the ITS Data Bus Prototype" published in 1998 by Spelt et al. (hereinafter, "Spelt") provides details regarding the SAE's IDB Demonstration Program noted in the Cell Port Labs Press Release. Philip F. Spelt & Allan M. Kirson, *A Demonstration Project for the ITS DATA Bus Prototype*, DIGITAL AVIONICS SYSTEMS CONFERENCE, 1998. PROCEEDINGS., 17TH DASC. Oct. 31-Nov. 7, 1998. As noted on Table 1 "IDB Devices" on page I22-3 of Spelt (reproduced below), Cell Port Labs was a company that participated in the IDB Demo98 project. As noted on page I22-1, the goal of Demo98 was "to demonstrate several of the functional requirements and capabilities of the IDB. These include 'hot plug-and-play of devices***, interoperability of a device in different vehicles***, and the information-sharing capacity of devices connected to the IDB." Spelt, p. I22-1 (emphasis added).

'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
	Table 1. IDB Devices Company | Device Shell Oil Company | RFID tag Motorola, Inc. | GPS, AMPS phone, pager AMP, Inc. | Wiring and connectors Molex, Inc. | Connectors Cellport Labs, Inc. | Web server, WAW gateway SanpOn Diagnostics | OBD2 data Kenwood | CD changer Audiovox | Security system Safety Warning Fudta. | Safety warning system Strategis Consulting | HP Palmtop, WAV player, software Oak Ridge Nat'l Lab | System integration, conformity test, etc. Furthermore, "[c]ompanies participating in Demo98 include the United States 'Big Three' automobile manufacturers: Chrysler (Concorde LXi), General Motors (Cadillac SLS), and Ford (Lincoln Continental)." *Id*. at I22-2. Spelt also emphasized the plug-and-play functionality without the requirement to modify the vehicle device: "The Plug-and-Play Scenario is the most fundamental and general of the four scenarios developed for Demo98. It is intended to demonstrate the IDB characteristics of 'hot plug-and-play' and the as can reasonably be shown with the devices provided by the participants. Thus, as the title implies, the hot plug-and-play capabilities of the IDB protocol are shown by inserting and removing devices while the IDB is alive and functioning. This demonstrates the inherent reconfigurability designed into the IDB protocol, by showing that current devices, which may have depended on another no longer available device, will still function on the IDB." *Id*. at I22-2.
1B a vehicle position determining device;	The Cell Port Labs Press Release describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, **provide GPS information**, run diagnostic routines, reconfigure data collection

'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
	routines, download code and run executable software." Cell Port Labs Press Release (emphasis added). Thus, the Cell Port Labs Press Release discloses that the CP2100, in providing GPS information, comprises "a vehicle position determining device." U.S. Patent No. 6,430,164 to Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones discloses a communication apparatus "contained within a vehicle having a number of disparate subsystems. The disparate subsystems include protocol based units and close-ended devices." Jones, 1:57-59. Jones further discloses that "[a]n example of such a close-ended device might be a global position system (GPS) that is useful in providing vehicle location information or a hardware device, such as a vehicle sensor from which data can be obtained for a particular vehicle component to which the sensor is operably connected[.]" Jones, 1-6; *see also* Fig. 1, elements 26 and 112.
1C a wireless communications device;	According to Cell Port Labs Press Release, the CP2100 "is designed to enable bi-directional data communications." Cell Port Labs Press Release. Moreover, Cell Port Labs Press Release asserts that CP2100 is a solution designed to "collect and manage data to/from a vehicle, then transmit the data real-time via a wireless network. *Id*. Therefore, CP2100 must include a wireless communications device. In particular, the CP2100 interfaces to wireless networks, such as cellular, paging, and personal communications systems. *See also*, "ANT" input/output for antenna of CP2100, illustrated by CP2100 photo reproduced above in Auto Electronics publication. In addition, the Cell Port Labs Press Release states that "vehicle manufacturers, application developers and corporate IT departments can easily network software and hardware applications, and cost-effectively connect a wide range of vehicles to their networks, including Extranets, Intranets and Internet sites. The new CP2100 eliminates a major obstacle currently facing Telematics, Intelligent Transport System (ITS) and mobile Infotainment systems -- ***that of integrating various data management functions within the vehicle and linking them with a centralized application via wireless communication networks."*** *Id*. (emphasis added). Furthermore, the Cell Port Labs Press Release states that the CP2100 "provide[s] real-time, wireless connectivity between vehicles and remote applications" and that "[w]ireless airlink capabilities include cellular, spread spectrum radio, satellite and private radio." *Id*. Therefore, Cell Port Labs' CP2100 is unambiguously a multi-vehicle tracking unit that comprises "a wireless communications device."

'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
1D a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information;	As discussed above, the CP2100 is multi-vehicle compatible. Specifically, the Cell Port Labs Press Release notes in "THE CP2100 IN USE" section that Cell Port Labs was a participant in the IDB Demonstration Program, whereby it "provided connectivity to the Internet for many IDB-based vehicle systems on three IDB demonstration vehicles." Cell Port Labs Press Release. The Cell Port Labs Press Release describes the functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, **provide GPS information**, run diagnostic routines, reconfigure data collection routines, download code and run executable software." Cell Port Labs Press Release (emphasis added). Thus, the CP2100, in providing GPS information from the vehicle and in communicating with the operator as stated by the Cell Port Labs Press Release, "cooperat[es] with the vehicle position determining device and the wireless communications device to send vehicle position information." U.S. Patent No. 6,430,164 to Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones also discloses that "[t]he system includes a plurality of disparate subsystems 20 and a communications apparatus 22. The disparate subsystems 20 in a vehicle can include one or more of the following components: Internet protocol (IP) stacks 24; **a global positioning system (GPS)** 26…." Jones, 4:55-60 (emphasis added).
1E said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles; and	The CP2100 "couples" to a vehicle data bus (i.e. vehicle networks, such as CAN and J1850). Moreover, the Cell Port Labs Press Release states that "CellPort offers the first commercial product designed specifically to manage the growing list of in-vehicle networks, including IDB, CAN, USB and more." Cell Port Labs Press Release. The Cell Port Labs Press Release also states that "[t]he CP2100 supports a variety of emerging vehicle bus interfaces, including **IDB, J1708, J1850,** CAN and **ODBII**." Cell Port Labs Press Release (emphasis added). More specifically, Cell Port Labs Press Release states that application software for CP2100 "can be developed to **poll, filter, collect, process and store data collected from the vehicular network**. Some examples of vehicular data sources are **Class II native networks, transponders, sensors, timers, engine control computers, GPS receivers, and operator data terminals**. Data from the host can be sent to the vehicle to communicate with the operator, provide GPS information, run diagnostic routines, reconfigure data collection routines, download code and run executable software" Cell Port Labs Press Release (emphasis added). Thus, the Cell Port Labs Press Release discloses that the CP2100 is to be coupled to a vehicle bus to communicate with at least one vehicle device.

'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
	With respect to the limitation "using at least one corresponding vehicle device code from among a plurality thereof for different vehicles," the "SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual" (with 1994 and 1997 publication dates; hereinafter, "1994 SAE HS-3000 Manual" and "1997 SAE HS-3000 Manual") provides the implementation details and recommended practices of the J1708, J1850 and OBD-II Scan Tool bus interfaces. In particular, the SAE HS-3000 Manual discloses that a device code on the vehicle data bus can be an SAE standard and/or one of seven manufacturer specific version of the device code. *See e.g.*, 1994 SAE HS-3000 Manual, p. 213, Section 4 of SAE J2178/2. Furthermore, the 1994 and 1997 SAE HS-3000 Manuals disclose a bus discovery process involving reading different versions of a mode 1 PID 0 device code from the data communications bus and determining a match between a read device code and a stored device code. *See e.g.*, 1994 SAE HS-3000 Manual, p. 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978. It is the implementation of this standard that enables the CP2100 to have the "hot plug-and-play" capabilities demonstrated in the SAE IDB Demo98 Demonstration Program in which the ability of the CP2100 to perform bus discovery to connect and communicate with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBD-II connector of each vehicle was demonstrated. The Cell Port Labs Press Release also notes in "THE CP2100 IN USE" section that Cell Port Labs was a participant in the IDB Demonstration Program, whereby it "provided connectivity to the Internet for many IDB-based vehicle systems on three IDB demonstration vehicles." Cell Port Labs Press Release. Spelt documents that Cell Port Labs was a company that participated in the IDB Demo98 project. Spelt, page I22-3, Table 1. Spelt states that the goal of Demo98 was "to demonstrate several of the functional requirements and capabilities of the IDB. These include **'hot plug-and-play' of devices, interoperability of a device in different vehicles**, and the information-sharing capacity of devices connected to the IDB." Spelt, p. I22-1 (emphasis added). The "[c]ompanies participating in Demo98 include the United States 'Big Three' automobile manufacturers: Chrysler (Concorde LXi), General Motors (Cadillac SLS), and Ford (Lincoln Continental)." *Id*. at I22-2. Spelt also states: "The Plug-and-Play Scenario is the most fundamental and general of the four scenarios developed for Demo98. It is intended to demonstrate the IDB characteristics of 'hot plug-and-play' and the as can reasonably be shown with the devices provided by the participants. Thus, as the title implies, the hot plug-and-play capabilities of the IDB protocol are shown by inserting and removing devices while the IDB is alive and functioning. This demonstrates the inherent reconfigurability designed into the IDB protocol, by showing that current devices, which may have depended on another no longer available device, will still function on the IDB." *Id*. at I22-2. Jones discloses a configuration packet 300 which requests OBD-II data from vehicle devices. *See* Jones, Fig. 2.

'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
	FIG. 2  The configuration packet 300 must specify "a destination, services that might be invoked, and data or other information being requested." Jones, 14:67-15:1. In other words, the flow process described in Figure 2 of Jones implicitly discloses that the multi-vehicle compatible controller must implement the SAE bus discovery process described in SAE J1978. Once the bus discovery protocol is performed, the CP2100 identifies the type of vehicle to the remote host, thereby determining which vehicle codes to use from the plurality of stored vehicle codes. The remote host then provides enabling data to configure the CP2100 to use appropriate device codes to run diagnostic routines and perform data collection routines for that specific type of vehicle.

'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
1F a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller.	As discussed above, the CP2100 is a multi-vehicle compatible controller. Specifically, the Cell Port Labs Press Release notes in "THE CP2100 IN USE" section that Cell Port Labs was a participant in the IDB Demonstration Program, whereby it "provided connectivity to the Internet for many IDB-based vehicle systems on three IDB demonstration vehicles." Cell Port Labs Press Release. Spelt documents that Cell Port Labs was a company that participated in the IDB Demo98 project. Spelt, page I22-3, Table 1. Spelt states that the goal of Demo98 was "to demonstrate several of the functional requirements and capabilities of the IDB. These include 'hot plug-and-play of devices***, interoperability of a device in different vehicles***, and the information-sharing capacity of devices connected to the IDB." Spelt, p. I22-1 (emphasis added). The "[c]ompanies participating in Demo98 include the United States 'Big Three' automobile manufacturers: Chrysler (Concorde LXi), General Motors (Cadillac SLS), and Ford (Lincoln Continental)." *Id*. at I22-2. Spelt also states: "The Plug-and-Play Scenario is the most fundamental and general of the four scenarios developed for Demo98. It is intended to demonstrate the IDB characteristics of 'hot plug-and-play' and the as can reasonably be shown with the devices provided by the participants. Thus, as the title implies, the hot plug-and-play capabilities of the IDB protocol are shown by inserting and removing devices while the IDB is alive and functioning. This demonstrates the inherent reconfigurability designed into the IDB protocol, by showing that current devices, which may have depended on another no longer available device, will still function on the IDB." *Id*. at I22-2. The Cell Port Labs Press Release further describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines, download code and run executable software**." Cell Port Labs Press Release (emphasis added). This ability to download code and run executable software allows the CP2100 to communicate with multiple types of vehicles. Furthermore, in "run[ning] diagnostic routines" and "reconfigur[ing] data collection routines," the CP2100 necessarily must perform the bus discovery protocol (*see, e.g.*, 1994 SAE HS-3000 Manual, page 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978) involving inspecting vehicle device codes to identify the particular type of vehicle and vehicle bus protocols that it utilizes. Once the bus discovery protocol is performed, the CP2100 identifies the type of vehicle to the remote host. The remote host then provides enabling data to configure the CP2100 to use appropriate device codes to run diagnostic routines and perform data collection routines for that specific type of vehicle. Jones discloses a Cell Port Labs CP2100 Mobile Network Server (hereinafter, "CP2100") as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1.

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	By disclosing that "the portal apparatus facilitates downloading of software configurations and updates to each communications apparatus in the vehicles of the particular fleet, as well as **facilitating the obtaining of vehicle operational data and other information including diagnostic data and status information including fault-related data**" (Jones, 4:1-6 (emphasis added)), Jones discloses enabling data and directing which vehicle device codes to use to obtain vehicle operational data, diagnostics data, status and fault related data for a particular type of vehicle. For example, Figure 2 of Jones shows the configuration packet 300 containing an OBD-II field which requires a number of fields "to identify the particular subsystem from which [vehicle operational] data is being requested" from OBD-II subsystem 32, where said fields are configured in configuration packet 300 according to the particular vehicle device codes that are used for that particular vehicle. Jones, 15:32-37. Jones also discloses that the downloading of updates includes enabling data with respect to specific vehicle devices to enable "plug and play" without any requirement to modify the vehicle device for communication with the CP2100 (i.e. the CP2100 achieves its "plug and play" capability by downloading the device codes and protocols necessary to communicate with the device). For example, Jones discloses that "[b]ased on the foregoing summary, a number of salient aspects of the present invention are readily identified. **Transfers of information including data relative to different devices, buses and/or networks are substantially seamlessly achieved**. Such transfers can be accomplished among these different subsystems without requiring that they be modified, thereby achieving a **"plug and play"** result. The disparate subsystems include protocol dependent components as well as close-ended devices at which data flow originates or is terminated, such as a GPS." Jones, 4:7-15 (emphasis added).
2A The multi-vehicle compatible tracking unit according to claim 1 wherein said downloading interface comprises a wired signal downloading interface.	Cell Port Labs Press Release discloses that the CP2100 "support[s] RS232, Ethernet and Universal Serial Bus (USB) connectivity." Cell Port Labs Press Release. One of ordinary skill in the art would understand that these interfaces are wired, and would be downloading interfaces to the CP2100. U.S. Patent No. 6,430,164 to Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to poll, filter, collect, process and store data collected from the vehicular network." Jones, 18:32-36. A person of ordinary skill in the art would understand that CAN and RS232 are wired signal downloading interfaces.

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	Jones also discloses that there is a wired signal downloading interface for connecting to a downloading device by disclosing that the RS232 connection can be utilized for downloading with the portal through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device: "Because of HTTP usage, users can configure via a wireless modem connection, through the local Ethernet port **or through an available RS232 connection** using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).
3A The multi-vehicle compatible tracking unit according to claim 2 wherein said wired signal downloading interface comprises a connector for temporary connection to a downloading device.	The Cell Port Labs Press Release discloses that the CP2100 "support[s] RS232, Ethernet and Universal Serial Bus (USB) connectivity." *See* Cell Port Labs Press Release; *see also* Auto Electronics publication. One of ordinary skill in the art would understand that these interfaces are wired and comprise a connector for a temporary connection, and would be downloading interfaces to the CP2100 through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. U.S. Patent No. 6,430,164 to Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to poll, filter, collect, process and store data collected from the vehicular network." Jones, 18:32-36. A person of ordinary skill in the art would understand that CAN and RS232 are wired signal downloading interfaces, and would comprise "a connector for temporary connection" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. Jones also discloses that there is a connector for connecting to a downloading device by disclosing that the RS232 connection can be utilized for downloading with the portal through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device: "Because of HTTP usage, users can configure via a wireless modem connection, through the local Ethernet port **or through an available RS232 connection** using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).

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4A The multi-vehicle compatible tracking unit according to claim 1 wherein said downloading interface comprises a wireless signal downloading interface.	Cell Port Labs Press Release discloses that the CP2100 is "a universal gateway for real-time wireless data communication, extending the **Internet Protocol (IP) over wireless networks to the vehicle**. **Using the CP2100, application designers can seamlessly integrate enterprise software solutions or any other Internet accessible resource to vehicles around the world**. CellPort's new product enables the various data networks and electronic devices within a vehicle to function as a node on the Internet." Cell Port Labs Press Release (emphasis added). Additionally, the Cell Port Labs Press Release discloses that the CP2100 includes "wireless gateway communications independent of wireless links." *Id*. Moreover, Cell Port Labs Press Release discloses that the CP2100 "[w]ireless airlink capabilities include cellular, spread spectrum radio, satellite and private radio." *Id*. Thus, one of ordinary skill in the art would understand from the disclosure of the Cell Port Labs Press Release that these interfaces would comprise "a wireless signal downloading interface" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. U.S. Patent No. 6,430,164 to Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones discloses that "[a]nalog and digital signals are acquired using vehicular networks or common serial interfaces. Some vehicular networks also include **short range wireless LANs** for data collection and user interface requirements." Jones, 18:51-55 (emphasis added). Jones also discloses that to manage the embedded computer apparatuses 22 includes "properly and securely reconfiguring software on the communications apparatus 22; properly and securely updating software on each such apparatus 22; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." *Id*. at 19:1-6. To that end, Jones further discloses that to achieve these objectives, "[t]he portal apparatus 310 communicates with each of the communications apparatuses 22a-22n, which may be embedded in different vehicles and constitute a fleet of vehicles, **by means of a wireless network 314**. The wireless network 314 can include **the Internet 320 and its associated technology**." *Id*. at 19:11-16 (emphasis added); *see also* Fig. 3.

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	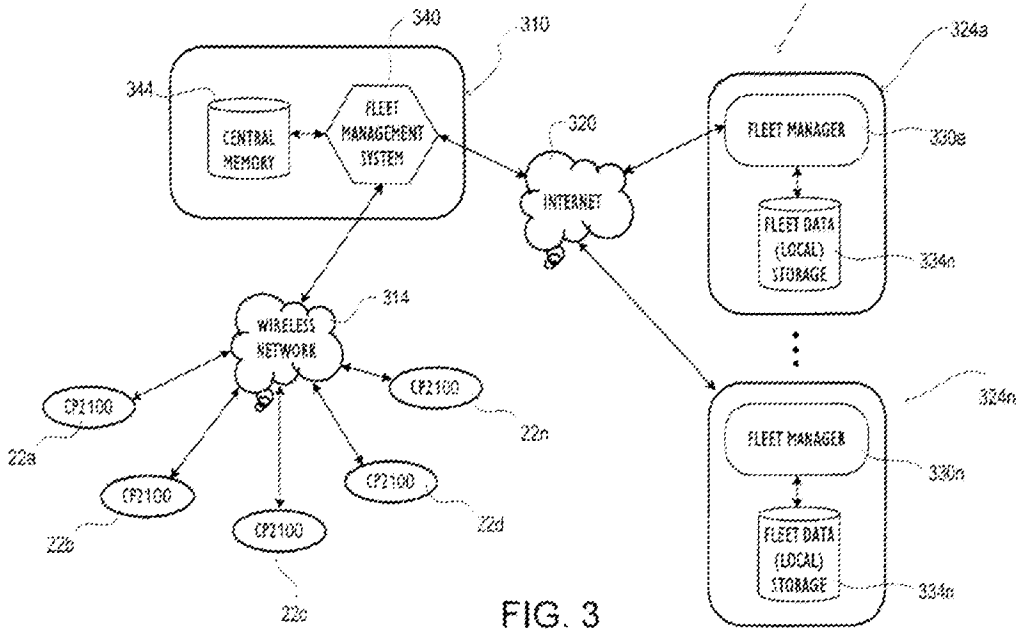 FIG. 3 A person of ordinary skill in the art would understand that this disclosure implicitly discloses "a wireless signal downloading interface" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. Jones also discloses that there is a wireless signal downloading interface for connecting to a downloading device by disclosing that a wireless modem connection can be utilized for downloading with the portal through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device: "Because of HTTP usage, users can configure **via a wireless modem connection**, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).
5A The multi-vehicle compatible tracking unit according to claim 4 wherein said wireless signal downloading interface	<u>Cell Port Labs Press Release</u> discloses that the CP2100 is "a universal gateway for real-time wireless data communication, extending the **Internet Protocol (IP) over wireless networks to the vehicle**. **Using the CP2100, application designers can seamlessly integrate enterprise software solutions or any other Internet accessible resource to vehicles around the world**. CellPort's new product enables the various data networks and electronic devices within a vehicle to function as a node on the Internet." Cell Port Labs Press Release (emphasis added).

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comprises a wireless receiver for temporary connection to a downloading device.	Additionally, the Cell Port Labs Press Release discloses that the CP2100 includes "wireless gateway communications independent of wireless links." *Id*. Moreover, Cell Port Labs Press Release discloses that the CP2100 "[w]ireless airlink capabilities include cellular, spread spectrum radio, satellite and private radio." *Id*. Thus, one of ordinary skill in the art would understand from the disclosure of the Cell Port Labs Press Release that these interfaces would comprise "a wireless signal downloading interface," comprising "a wireless receiver for temporary connection" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. U.S. Patent No. 6,430,164 to Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones discloses that "[a]nalog and digital signals are acquired using vehicular networks or common serial interfaces. Some vehicular networks also include **short range wireless LANs** for data collection and user interface requirements." Jones, 18:51-55 (emphasis added). Jones also discloses that to manage the embedded computer apparatuses 22 includes "properly and securely reconfiguring software on the communications apparatus 22; properly and securely updating software on each such apparatus 22; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." *Id*. at 19:1-6. To that end, Jones further discloses that to achieve these objectives, "[t]he portal apparatus 310 communicates with each of the communications apparatuses 22a-22n, which may be embedded in different vehicles and constitute a fleet of vehicles, **by means of a wireless network 314**. The wireless network 314 can include **the Internet 320 and its associated technology**." *Id*. at 19:11-16 (emphasis added); *see also* Fig. 3.

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	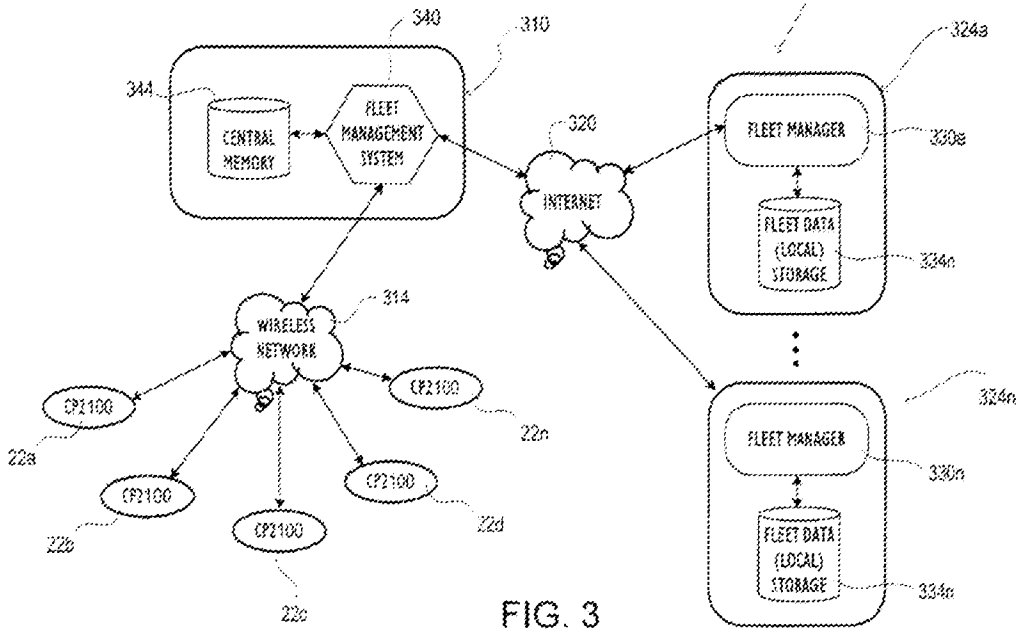 FIG. 3 A person of ordinary skill in the art would understand that this disclosure implicitly discloses "a wireless signal downloading interface compris[ing] a wireless receiver for temporary connection to a downloading device" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. Jones also discloses that there is a wireless receiver for connecting to a downloading device by disclosing that a wireless modem connection can be utilized for downloading with the portal through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device: "Because of HTTP usage, users can configure **via a wireless modem connection**, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).
6A The multi-vehicle compatible tracking unit according to claim 1 wherein the	The Cell Port Labs Press Release describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines,** download code and run executable software." Cell Port Labs Press Release (emphasis added). One of ordinary skill in

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corresponding at least one vehicle code is for reading from the at least one vehicle device.	the art would understand from this disclosure that these functions require reading the vehicle device code from the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle. U.S. Patent No. 6,430,164 to Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to **poll, filter, collect, process and store data** collected from the vehicular network." Jones, 18:32-36 (emphasis added). Jones also discloses that "[d]ata from the host sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Jones, 18:48-51 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for reading from the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle. More specifically, Jones discloses that "The OBD-II 32 is available in at least certain vehicles for use in **providing engine related information**, such as engine speed, pressure of certain components, etc., using sensors that may be useful in diagnosing-vehicle engine faults. The IDB 28 is a relatively new standard bus found in vehicles that has a number of vehicle elements that **send/receive data** or other vehicle-related information, such as fuel management or other vehicle device data, using a protocol analogous to TCP/IP. These vehicle elements can include vehicle windows, doors, air bags, lights, etc. The CAN 36 is another communications network within the vehicle for **providing information** from vehicle elements, such as automotive electronics including engine sensors, lamps, electric windows, etc." Jones, 5:19-33 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for reading from the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.
7A The multi-vehicle compatible tracking unit according to claim 1 wherein the corresponding at least one vehicle code is for writing to	The Cell Port Labs Press Release describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines,** download code and run executable software." Cell Port Labs Press Release (emphasis added). One of ordinary skill in the art would understand from this disclosure that these functions require writing the vehicle device code to the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.

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the at least one vehicle device.	U.S. Patent No. 6,430,164 to Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to **poll, filter, collect, process and store data** collected from the vehicular network." Jones, 18:32-36 (emphasis added). Jones also discloses that "[d]ata from the host sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Jones, 18:48-51 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for writing to the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle. More specifically, Jones discloses that "The OBD-II 32 is available in at least certain vehicles for use in **providing engine related information**, such as engine speed, pressure of certain components, etc., using sensors that may be useful in diagnosing-vehicle engine faults. The IDB 28 is a relatively new standard bus found in vehicles that has a number of vehicle elements that **send/receive data** or other vehicle-related information, such as fuel management or other vehicle device data, using a protocol analogous to TCP/IP. These vehicle elements can include vehicle windows, doors, air bags, lights, etc. The CAN 36 is another communications network within the vehicle for **providing information** from vehicle elements, such as automotive electronics including engine sensors, lamps, electric windows, etc." Jones, 5:19-33 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for writing to the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.
8A The multi-vehicle compatible tracking unit according to claim 1 wherein said downloading interface is also for permitting downloading of at least one programming instruction for said multi-	The Cell Port Labs Press Release describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, provide GPS information, run diagnostic routines, reconfigure data collection routines, **download code and run executable software**." Cell Port Labs Press Release (emphasis added). Thus, the Cell Port Labs Press Release discloses "downloading of at least one programming instruction for said multi-vehicle compatible controller." U.S. Patent No. 6,430,164 to Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a

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vehicle compatible controller.	controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones discloses that to manage the embedded computer apparatuses 22 includes "**properly and securely reconfiguring software on the communications apparatus 22**; **properly and securely updating software on each such apparatus 22**; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." Jones, 19:1-6 (emphasis added). Jones also discloses, generally, a detailed process for maintenance and/or configuration updates for programming instructions for the multi-vehicle compatible controller, whereby reconfiguring or updating software on the communications apparatuses 22 is "preferably sent as a single file from the portal apparatus 310 to one or more selected communications apparatuses 22 through the wireless network 314." Jones, 20:37-39; *see also generally*, 19:60-21:46. Once the programming instruction is received, "the configuration manager 180 is responsible for extracting changes from the configuration in the file and applying them to the communications apparatus 22 in a shadow or mirror form." *Id*. at 20:54-58. Jones further elaborates on the update capability (i.e., "downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller"): "The system 300 also has the capability where components thereof may be applied with an indication of their priority or need for update. With that information, the portal apparatus 310 can automatically notify the fleet owner/operator of changes that were incorporated. Such notification could include what needs to be changed and the objectives sought to be served by making the changes, **such as bug-fixes, new functions, etc.** Based on the notification, the fleet manager 330 of a particular fleet subsystem 324 could then direct the portal apparatus 310 to update one or more communications apparatuses 22 within the domain of that fleet subsystem 324. Such a process involving automated updating and notification would require dependency analysis to understand the dependencies among components for proper operation, but the process could also be automated to integrate customers into the evolution of the software. Further functionality associated with the portal apparatus 310 involves the gathering of diagnostic and operational data from the communications apparatuses 22. Such data enables the system and its users to understand how the communication apparatuses 22 are used and under what conditions, which information is beneficial in optimizing and enhancing its operation and functionality. Diagnostic data for such purposes can be emitted in a special compressed form to the portal apparatus 310 whereby the operations of the communications apparatuses 22 in the field are monitored and corrective actions can be taken when data indicates that such corrections are necessary or appropriate." Jones, 21:18-46.

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9A The multi-vehicle compatible tracking unit according to claim 1 further comprising a remote transmitter; and wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.	The Cell Port Labs Press Release further describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Cell Port Labs Press Release (emphasis added). One of ordinary skill in the art would understand that the CP2100 would perform diagnostic routines or reconfigure data collection routines ("at least one vehicle remote control function) in response to a remote transmitter. U.S. Patent No. 6,430,164 to Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones discloses that "[a] number of the disparate subsystems 20 are electrically connected to one or more nodes 80 that are associated with a particular **sender and/or receiver** of the data/information in association with or part of the disparate subsystems 20. Representative of the nodes 80 are nodes 80a-80g. The node1 80a can include **an external application that is located outside of the vehicle and is wirelessly connected to the disparate subsystem IP stack 24**. By way of example, an application running on a computer station remote from a vehicle may receive vehicle data that it processes for providing a desired report." Jones, 5:54-64 (emphasis added). A person of ordinary skill in the art would understand that this disclosed functionality would necessarily require a remote transmitter. Because Jones discloses that both sending and receiving functionality is contemplated, a person of ordinary skill in the art would understand that this disclosure would encompass the sending of a request for vehicle data through node1 80a, which the common module 90 then processes and subsequently performs so that the remote sender "may receive vehicle data." Jones also discloses the following scenario: > Consider a node connected to an IDB device stack 220 that wishes to gather vehicle location data and then communicate this data to the external node1 80a on the Internet. > The IDB application connects to the communications apparatus 22 node using the IDB device stack 220 and the IDB manager 114 with a packet header defining the action to take (connect to the GPS manager 112 utilizing the GPS interface 224). The IDB manager 114 would create a child component (along with the GPS manager 112) to provide the read-only data through the IDB device stack 220 back to the requesting application. This connection could be stream-based (data would stream to the IDB-based external application when updated, or could be asynchronous in a request/response mode) The IDB application next connects to the TCP/IP manager 110 (utilizing the socket

'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
	interface 228) with another packet header (specifying the requested connection to the TCP/IP manager 110 along with the external host for which the connection should be made). The TCP/IP manager 110 would then make the connection to the external host, and bind a child process to handle the particular connection. This process is identical regardless of the particular network being used by the connecting application, for example the USB 40 would use the same process. Applications can also create connections through TCP/IP 24 thereby providing Internet-based enterprise level access to devices connected to the communications apparatus 22. Jones, 13:1-43. Jones also discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to **poll, filter, collect, process and store data** collected from the vehicular network." Jones, 18:32-36 (emphasis added). Jones also discloses that "[d]ata from the host sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Jones, 18:48-51 (emphasis added). One of ordinary skill in the art would understand that this disclosure would encompass the multi-vehicle compatible controller performing at least one vehicle remote control function responsive to a remote transmitter.
10A The multi-vehicle compatible tracking unit according to claim 9 wherein the at least one vehicle remote control function comprises at least one of a vehicle security function, a remote keyless entry function, and a remote engine starting function.	The Cell Port Labs Press Release discloses that "[t]he CP2100 supports a variety of emerging vehicle bus interfaces, including IDB, J1708, J1850, CAN and ODBII." Cell Port Labs Press Release. SAE J2178/1, starting on page 200 of the 1994 SAE HS-3000 Manual, discloses that vehicle device codes can relate to at least one of a vehicle security function, a remote keyless entry function, and a remote engine starting function. For example, Table 10, provides the "physical address assignment ranges for nodes on a network." (Page 208, SAE J2178/1, Section 7, "Physical Address Assignment"). As illustrated in this table, the "security" (alarm indicating devices) codes can be transmitted using messages having addresses in the range (hex) C0-C7. The addresses from C000-C0FF are reserved for SAE standard codes, and for manufacturer specified codes may range from C100-C7FF.

'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
	TABLE 19—NODE PHYSICAL ADDRESS ASSIGNMENTS Node — Address (Hex) Powertrain Controllers: Integration / Manufacturer Expansion — 00 - 0F Engine Controller — 10 - 17 Transmission Controller — 18 - 1F Chassis Controllers: Integration / Manufacturer Expansion — 20 - 27 Brake Controller — 28 - 2F Steering Controller — 30 - 37 Suspension Controller — 38 - 3F Body Controllers: Integration / Manufacturer Expansion — 40 - 57 Powertrain — 58 - 5F Driver Information / Displays — 60 - 6F Lighting — 70 - 7F Entertainment / Audio — 80 - 8F Personal Communications — 90 - 97 HVAC — 98 - 9F Convenience (Doors, Seats, Windows, etc.) — A0 - BF Security — C0 - C7 Future Expansion: — C8 - CF Manufacturer Specific: — D0 - EF Off-Board Testers / Diagnostic Tools: — F0 - FD All Nodes: — FE Null Node: — FF See e.g., 1997 version of SAE HS-3000 Manual, Remote lock w/ Transmitter ID having PRN C001, Table 32, page 150. See e.g., 1994 SAE HS 3000 Manual, Door lock cylinder state, Table 16, page 222 with PRN of A010. See also, Ignition Switch Position, page 229 with PRN 1047 of 1994 SAE HS-3000 Manual. <u>U.S. Patent No. 6,430,164 to Jones</u> was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones discloses that "[a] number of the disparate subsystems 20 are electrically connected to one or more nodes 80 that are associated with a particular **sender and/or receiver** of the data/information in association with or part of the disparate subsystems

'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
	20. Representative of the nodes 80 are nodes 80a-80g. The node1 80a can include **an external application that is located outside of the vehicle and is wirelessly connected to the disparate subsystem IP stack 24**. By way of example, an application running on a computer station remote from a vehicle may receive vehicle data that it processes for providing a desired report." Jones, 5:54-64 (emphasis added). A person of ordinary skill in the art would understand that this disclosed functionality would necessarily require a remote transmitter. Because Jones discloses that both sending and receiving functionality is contemplated, a person of ordinary skill in the art would understand that this disclosure would encompass the sending of a request for vehicle data through node1 80a, which the common module 90 then processes and subsequently performs so that the remote sender "may receive vehicle data." Jones also discloses the following scenario: > Consider a node connected to an IDB device stack 220 that wishes to gather vehicle location data and then communicate this data to the external node1 80a on the Internet. > The IDB application connects to the communications apparatus 22 node using the IDB device stack 220 and the IDB manager 114 with a packet header defining the action to take (connect to the GPS manager 112 utilizing the GPS interface 224). The IDB manager 114 would create a child component (along with the GPS manager 112) to provide the read-only data through the IDB device stack 220 back to the requesting application. This connection could be stream-based (data would stream to the IDB-based external application when updated, or could be asynchronous in a request/response mode) The IDB application next connects to the TCP/IP manager 110 (utilizing the socket interface 228) with another packet header (specifying the requested connection to the TCP/IP manager 110 along with the external host for which the connection should be made). The TCP/IP manager 110 would then make the connection to the external host, and bind a child process to handle the particular connection. > This process is identical regardless of the particular network being used by the connecting application, for example the USB 40 would use the same process. Applications can also create connections through TCP/IP 24 thereby providing Internet-based enterprise level access to devices connected to the communications apparatus 22. Jones, 13:1-43. Jones also discloses: "The OBD-II 32 is available in at least certain vehicles for use in providing engine related information, such as engine speed, pressure of certain components, etc., using sensors that may be useful in diagnosing-vehicle engine faults. The IDB 28 is a relatively new standard bus found in vehicles that has a number of vehicle elements that **send/receive data** or other vehicle-related information, such as fuel management or other vehicle device data, using a protocol analogous to TCP/IP. These vehicle

'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
	elements can include **vehicle windows, doors, air bags, lights, etc**. The CAN 36 is another communications network within the vehicle for providing information from vehicle elements, such as automotive electronics including engine sensors, lamps, electric windows, etc." Jones, 5:19-33 (emphasis added). Additionally, Jones discloses that "[t]he node3 80c may also be characterized as one or more vehicle elements associated with vehicle engine functions that are connected to the OBD 32." Jones, 5:66-6:2.
11A The multi-vehicle compatible tracking unit according to claim 1 wherein said wireless position determining device comprises a Global Positioning System (GPS) receiver.	The Cell Port Labs Press Release describes the technical functionality of the CP2100, stating that "[d]ata from the host can be sent to the vehicle to communicate with the operator, **provide GPS information**, run diagnostic routines, reconfigure data collection routines, download code and run executable software." Cell Port Labs Press Release (emphasis added). Thus, the Cell Port Labs Press Release discloses that the CP2100, in providing GPS information, comprises "a Global Positioning System (GPS) receiver." U.S. Patent No. 6,430,164 to Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones discloses a communication apparatus "contained within a vehicle having a number of disparate subsystems. The disparate subsystems include protocol based units and close-ended devices." Jones, 1:57-59. Jones further discloses that "[a]n example of such a close-ended device might be a global position system (GPS) that is useful in providing vehicle location information or a hardware device, such as a vehicle sensor from which data can be obtained for a particular vehicle component to which the sensor is operably connected[.]" Jones, 1-6; *see also* Fig. 1, elements 26 and 112.
12A The multi-vehicle compatible tracking unit according to claim 1 further comprising a housing containing said vehicle position determining device, said wireless communications device, said	The Cell Port Labs Press Release discloses that the CP2100 has a housing containing said vehicle position determining device, said wireless communications device, said multi-vehicle compatible controller, and said downloading interface. See housing depicted in Auto Electronics publication.

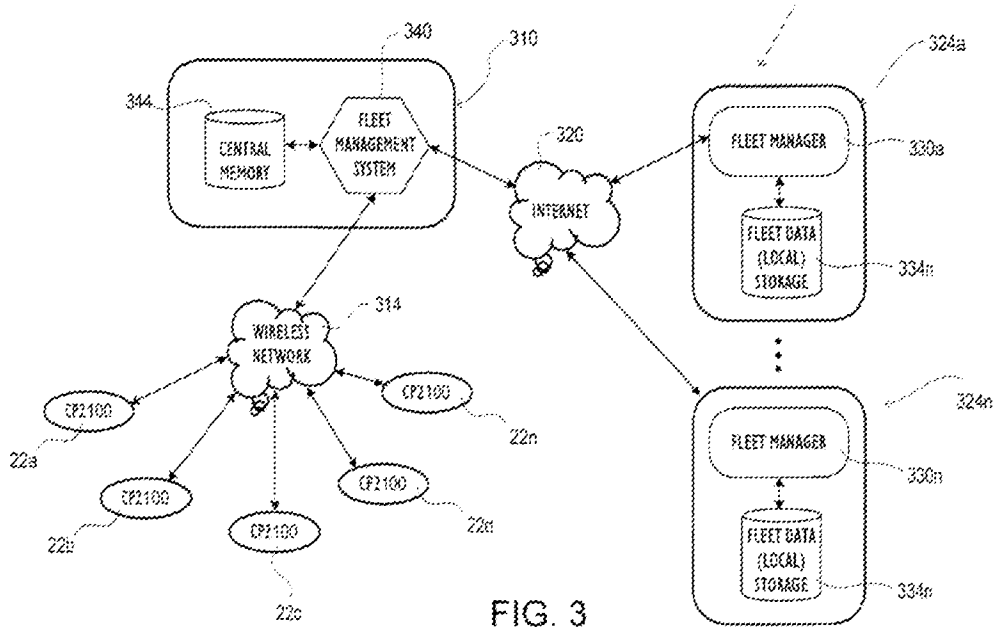
'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
multi-vehicle compatible controller, and said downloading interface.	
13A A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible vehicle tracking unit comprising:	See Claim 1A.
13B a vehicle position determining device;	See Claim 1B.
13C a wireless communications device;	See Claim 1C.
13D a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information;	See Claim 1D.
13E said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device	See Claim 1E.

'278 CLAIM	**PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals**
code from among a plurality thereof for different vehicles; and	
13F a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller;	See Claim 1F.
13G said downloading interface comprising a connector for temporary connection to a downloading device.	The Cell Port Labs Press Release discloses that the CP2100 "support[s] RS232, Ethernet and Universal Serial Bus (USB) connectivity." *See* Cell Port Labs Press Release; *see also* Auto Electronics publication. One of ordinary skill in the art would understand that these interfaces are connectors for a temporary connection, and would be downloading interfaces to the CP2100 through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. U.S. Patent No. 6,430,164 to Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to poll, filter, collect, process and store data collected from the vehicular network." Jones, 18:32-36. A person of ordinary skill in the art would understand that CAN and RS232 are wired signal downloading interfaces, and would comprise "a connector for temporary connection" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. Jones also discloses that there is a connector for connecting to a downloading device by disclosing that multiple types of connections can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure via a wireless modem connection, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19.

'278 CLAIM	**PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals**
14A The multi-vehicle compatible tracking unit according to claim 13 wherein the corresponding at least one vehicle code is for reading from the at least one vehicle device.	See Claim 6A.
15A The multi-vehicle compatible tracking unit according to claim 13 wherein the corresponding at least one vehicle code is for writing to the at least one vehicle device.	See Claim 7A.
16A The multi-vehicle compatible tracking unit according to claim 13 wherein said downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller.	See Claim 8A.
17A The multi-vehicle compatible tracking unit according to claim 13 further comprising a remote transmitter; and	See Claim 9A.

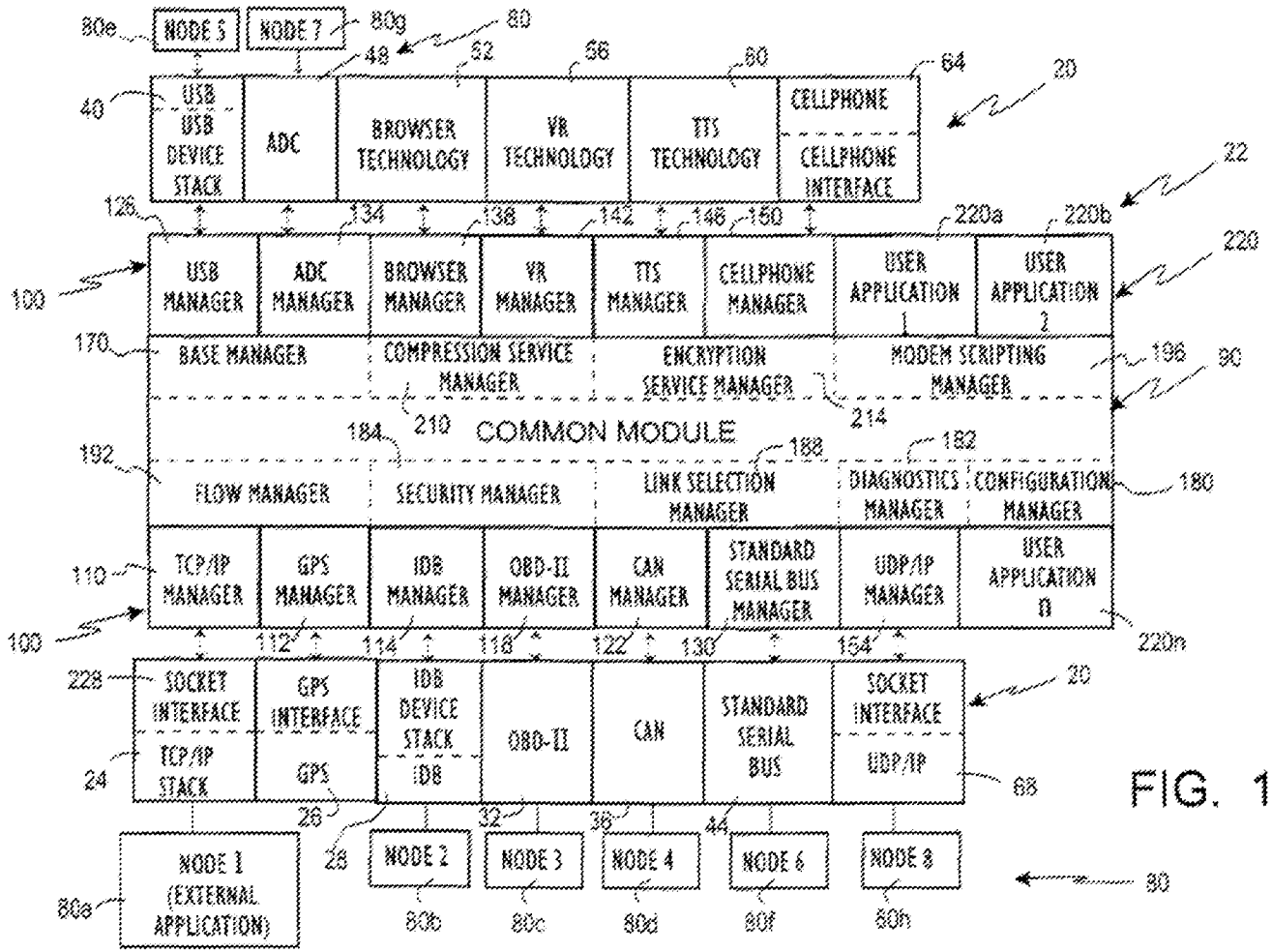
'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.	
18A A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible vehicle tracking unit comprising:	See Claim 1A.
18B a vehicle position determining device;	See Claim 1B.
18C a wireless communications device;	See Claim 1C.
18D a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information;	See Claim 1D.
18E said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover	See Claim 1E.

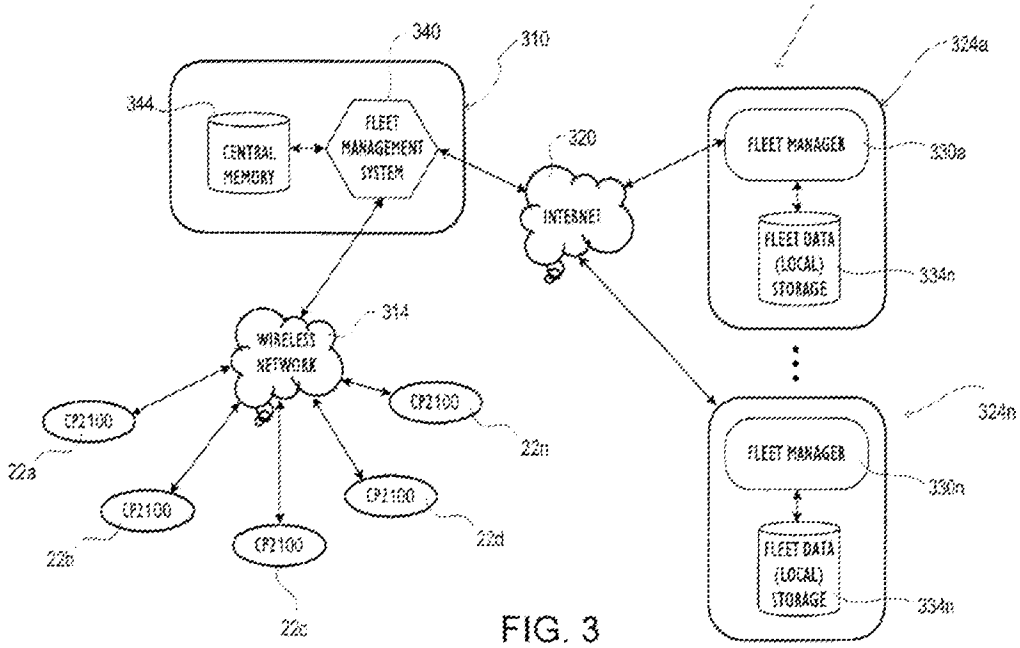
'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles; and	
18F a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller;	See Claim 1F.
18G said downloading interface comprising a wireless receiver for temporary connection to a downloading device.	Cell Port Labs Press Release discloses that the CP2100 is "a universal gateway for real-time wireless data communication, extending the **Internet Protocol (IP) over wireless networks to the vehicle**. **Using the CP2100, application designers can seamlessly integrate enterprise software solutions or any other Internet accessible resource to vehicles around the world**. CellPort's new product enables the various data networks and electronic devices within a vehicle to function as a node on the Internet." Cell Port Labs Press Release (emphasis added). Additionally, the Cell Port Labs Press Release discloses that the CP2100 includes "wireless gateway communications independent of wireless links." *Id*. Moreover, Cell Port Labs Press Release discloses that the CP2100 "[w]ireless airlink capabilities include cellular, spread spectrum radio, satellite and private radio." *Id*. Thus, one of ordinary skill in the art would understand from the disclosure of the Cell Port Labs Press Release that these interfaces would comprise "a wireless signal downloading interface," comprising "a wireless receiver for temporary connection" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. U.S. Patent No. 6,430,164 to Jones was issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1.

'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
	Jones discloses that "[a]nalog and digital signals are acquired using vehicular networks or common serial interfaces. Some vehicular networks also include **short range wireless LANs** for data collection and user interface requirements." Jones, 18:51-55 (emphasis added). Jones also discloses that to manage the embedded computer apparatuses 22 includes "properly and securely reconfiguring software on the communications apparatus 22; properly and securely updating software on each such apparatus 22; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." *Id*. at 19:1-6. To that end, Jones further discloses that to achieve these objectives, "[t]he portal apparatus 310 communicates with each of the communications apparatuses 22a-22n, which may be embedded in different vehicles and constitute a fleet of vehicles, **by means of a wireless network 314**. The wireless network 314 can include **the Internet 320 and its associated technology**." *Id*. at 19:11-16 (emphasis added); *see also* Fig. 3.  FIG. 3 A person of ordinary skill in the art would understand that this disclosure implicitly discloses "a wireless signal downloading interface compris[ing] a wireless receiver for temporary connection to a downloading device" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device.

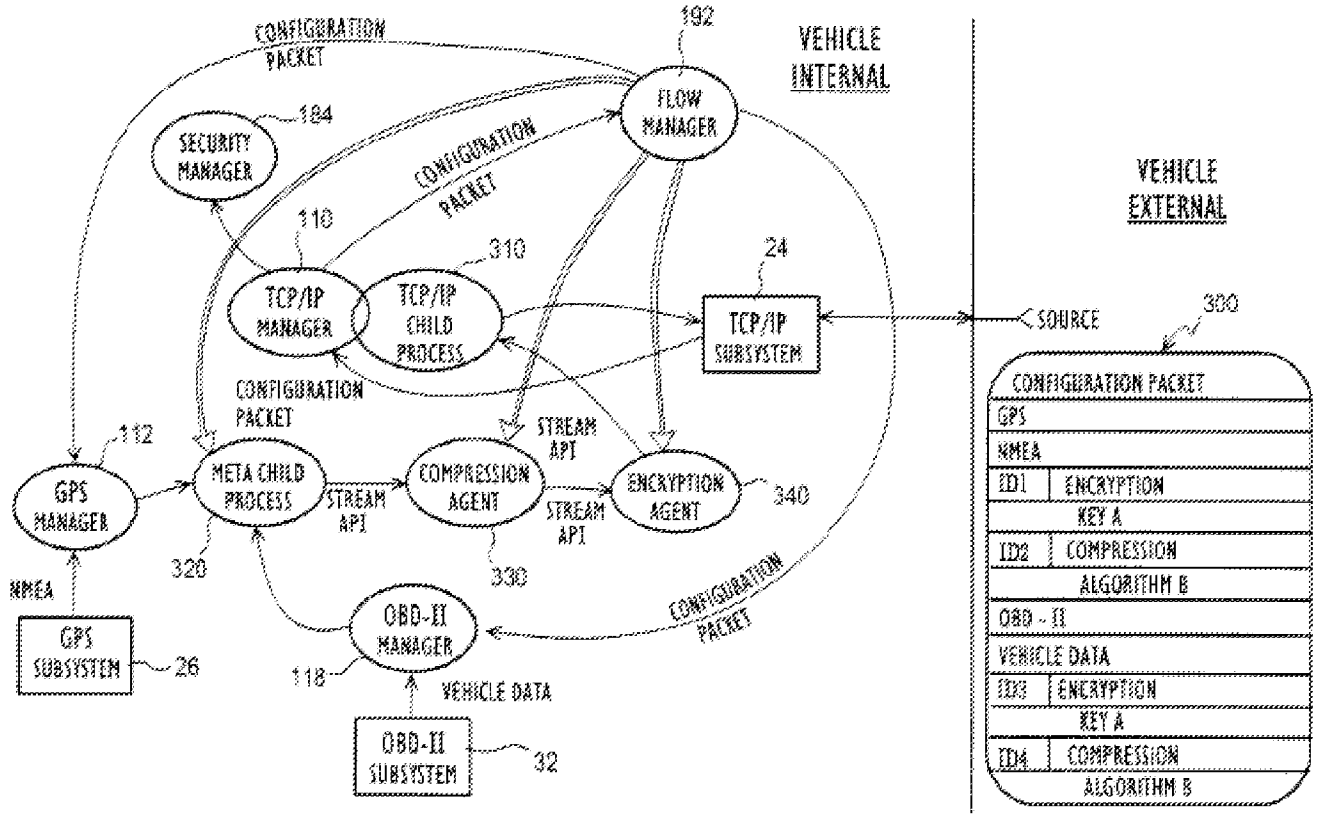
'278 CLAIM	PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals
	Jones also discloses that there is a wireless receiver for connecting to a downloading device by disclosing that a wireless modem connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure **via a wireless modem connection**, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).
19A The multi-vehicle compatible tracking unit according to claim 18 wherein the corresponding at least one vehicle code is for reading from the at least one vehicle device.	See Claim 6A.
20A The multi-vehicle compatible tracking unit according to claim 18 wherein the corresponding at least one vehicle code is for writing to the at least one vehicle device.	See Claim 7A.
21A The multi-vehicle compatible tracking unit according to claim 18 wherein said downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller.	See Claim 8A.

'278 CLAIM	**PRIOR ART – Cell Port Labs Press Release Alone or in Combination with Spelt, Jones, and/or the 1994 and 1997 SAE HS-3000 Manuals**
22A The multi-vehicle compatible tracking unit according to claim 18 further comprising a remote transmitter; and wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.	See Claim 9A.

'278 CLAIM	PRIOR ART – U.S. Patent No. 6,430,164 ("Jones") Alone or in Combination with 1994 and 1997 SAE HS-3000 Manuals
1A A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible tracking unit comprising:	U.S. Patent No. 6,430,164 Jones discloses a multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle (e.g., IDB 28, OBD-II 32, CAN 36, and Standard Serial Bus 44) and at least one vehicle device (e.g., Nodes 80b-80h). Jones, Fig. 1.  FIG. 1

'278 CLAIM	PRIOR ART – U.S. Patent No. 6,430,164 ("Jones") Alone or in Combination with 1994 and 1997 SAE HS-3000 Manuals
1B a vehicle position determining device;	Jones discloses a communication apparatus "contained within a vehicle having a number of disparate subsystems. The disparate subsystems include protocol based units and close-ended devices." Jones, 1:57-59. Jones further discloses that "[a]n example of such a close-ended device might be a global position system (GPS) that is useful in providing vehicle location information or a hardware device, such as a vehicle sensor from which data can be obtained for a particular vehicle component to which the sensor is operably connected[.]" Jones, 1-6; *see also* Fig. 1, elements 26 and 112.
1C a wireless communications device;	Jones discloses a wireless communications device by disclosing a cellphone 64 and wireless network 314. Jones, Fig. 1; *see also* 5:52-53. "The cellphone 64 is a useful communications tool in sending/receiving analog voice or digital data." Jones, 5:52-53. *See e.g.*, Fig. 3, wireless communications devices 22a-22n (which are part of the CP2100). Jones, Fig. 3.  FIG. 3

'278 CLAIM	PRIOR ART – U.S. Patent No. 6,430,164 ("Jones") Alone or in Combination with 1994 and 1997 SAE HS-3000 Manuals
	"FIG. 3 illustrates a system 300 characterized by a management portal apparatus or module 310. The portal apparatus 310 is separate and remote from each of a plurality of communications apparatuses 22a, 22b ... 22n. The portal apparatus 310 communicates with each of the communications apparatuses 22a-22n, which may be embedded in different vehicles and constitute a fleet of vehicles, by **means of a wireless network 314**. The wireless network 314 can include the Internet 320 and its associated technology." Jones, 19:7-16 (emphasis added).
1D a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information;	Jones issued from a patent application based upon the CP2100 and which was assigned to Cellport Systems, Inc. of Boulder, Colorado (i.e., Cell Port Labs). Jones discloses a Cell Port Labs CP2100 Mobile Network Server (hereinafter, "CP2100") as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. Jones also discloses that "[t]he system includes a plurality of disparate subsystems 20 and a communications apparatus 22. The disparate subsystems 20 in a vehicle can include one or more of the following components: Internet protocol (IP) stacks 24; **a global positioning system (GPS)** 26...." Jones, 4:55-60 (emphasis added).
1E said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles; and	Jones discloses the CP2100 is coupled to the vehicle data bus for communication with at least one vehicle device using a corresponding vehicle device code from among a plurality of vehicle device codes for different vehicles. In particular, the CP2100 supports a variety of different vehicle busses, including IDB, OBD-II and CAN. *See e.g.*, Jones, 4:57-63 ("The disparate subsystems 20 in a vehicle can include one or more of the following components: Internet protocol (IP) stacks 24; a global positioning system (GPS) 26; **an intelligent transportation system data bus (IDB) 28; an onboard diagnostics (OBD-II) 32; a controller area network (CAN) 36**."). Jones discloses a configuration packet 300 which requests OBD-II data from vehicle devices. *See* Jones, Fig. 2.

'278 CLAIM	PRIOR ART – U.S. Patent No. 6,430,164 ("Jones") Alone or in Combination with 1994 and 1997 SAE HS-3000 Manuals
	FIG. 2  The configuration packet 300 must specify "a destination, services that might be invoked, and data or other information being requested." Jones, 14:67-15:1. In other words, the flow process described in Figure 2 of Jones implicitly discloses that the multi-vehicle compatible controller must implement the SAE bus discovery process described in SAE J1978. Once the bus discovery protocol is performed, the CP2100 identifies the type of vehicle to the remote host, thereby determining which vehicle codes to use from the plurality of stored vehicle codes. The remote host then provides enabling data to configure the CP2100 to use appropriate device codes to run diagnostic routines and perform data collection routines for that specific type of vehicle.

'278 CLAIM	PRIOR ART – U.S. Patent No. 6,430,164 ("Jones") Alone or in Combination with 1994 and 1997 SAE HS-3000 Manuals
	The "SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual" with multiple publication dates including 1994 and 1997, hereinafter the 1994 HS-3000 Manual and the 1997 HS-3000 Manual, is a book that is a collection of standards for the On-Board Diagnostics (OBD) and provides the details and recommended practices of the OBDII bus interfaces utilized within the CP 2100. In particular, the SAE HS-3000 Manual discloses that a device code on the vehicle data bus can be an SAE standard and/or one of seven manufacturer specific version of the device code. *See e.g.*, 1994 SAE HS-3000 Manual, page 213, Section 4 of SAE J2178/2. Furthermore, the 1994 SAE HS-3000 Manual discloses a bus discovery process involving reading different versions of a mode 1 PID 0 device code from the data communications bus and determining a match between a read device code and a stored device code. *See e.g.*, 1994 SAE HS-3000 Manual, page 37, section 6.5.2 INITIALIZATION DETAILS of SAE J1978. It is the implementation of this standard that enables the CP2100 to have the "hot plug-and-play" capabilities demonstrated in the SAE IDB Demo98 Demonstration Program in which the ability of the CP2100 to perform bus discovery to connect and communicate with a Chrysler Concorde LXi, a Cadillac SLS, and a Ford Lincoln Continental via the OBD-II connector of each vehicle was demonstrated. The "multi-vehicle compatible controller" language, defined as requiring a CPU, a memory, and input/output circuitry is taught by Jones. Specifically, Jones teaches a CPU (claims 21 and 22; 1:32-34; 18:66-19:6), a memory (5:33-35; 8:35-40; 21:55-58), and input/output circuitry (4:60-67; 5:35-53) as required for the "multi-vehicle compatible controller." Jones teaches all of the elements set forth in the Examiner's 35 U.S.C. § 112 interpretation for performing the function of "cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information" and "to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles."
1F a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller.	Jones discloses a Cell Port Labs CP2100 Mobile Network Server (hereinafter, "CP2100") as an exemplary communication apparatus 22a-22n embedded in different vehicles. Jones, Fig. 3, 19:7-15. The CP2100 is multi-vehicle compatible and includes a controller that cooperates with the transmitter and receiver of the CP 2100. *See e.g.*, Fig. 1, the CP2100 multi-vehicle compatible controller compatible with e.g., IDB 28, OBD-II 32, CAN 36, Standard Serial Bus 44. Jones, Fig. 1. By disclosing that "the portal apparatus facilitates downloading of software configurations and updates to each communications apparatus in the vehicles of the particular fleet, as well as **facilitating the obtaining of vehicle operational data and other information including diagnostic data and status information including fault-related data**" (Jones, 4:1-6 (emphasis added)), Jones discloses enabling data and directing which vehicle device codes to use to obtain vehicle operational data, diagnostics data, status and fault related data for a particular type of vehicle. For example, Figure 2 of Jones shows the configuration packet 300 containing an OBD-II field which requires a number of fields "to identify the particular subsystem from which [vehicle operational] data is

'278 CLAIM	PRIOR ART – U.S. Patent No. 6,430,164 ("Jones") Alone or in Combination with 1994 and 1997 SAE HS-3000 Manuals
	being requested" from OBD-II subsystem 32, where said fields are configured in configuration packet 300 according to the particular vehicle device codes that are used for that particular vehicle. Jones, 15:32-37. Jones also discloses that the downloading of updates includes enabling data with respect to specific vehicle devices to enable "plug and play" without any requirement to modify the vehicle device for communication with the CP2100 (i.e. the CP2100 achieves its "plug and play" capability by downloading the device codes and protocols necessary to communicate with the device). For example, Jones discloses that "[b]ased on the foregoing summary, a number of salient aspects of the present invention are readily identified. **Transfers of information including data relative to different devices, buses and/or networks are substantially seamlessly achieved**. Such transfers can be accomplished among these different subsystems without requiring that they be modified, thereby achieving a **"plug and play"** result. The disparate subsystems include protocol dependent components as well as close-ended devices at which data flow originates or is terminated, such as a GPS." Jones, 4:7-15 (emphasis added).
2A The multi-vehicle compatible tracking unit according to claim 1 wherein said downloading interface comprises a wired signal downloading interface.	Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to poll, filter, collect, process and store data collected from the vehicular network." Jones, 18:32-36. A person of ordinary skill in the art would understand that RS232 is a wired signal downloading interface through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. Jones also discloses that there is a wired signal downloading interface for connecting to a downloading device by disclosing that the RS232 connection can be utilized for downloading with the portal through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device: "Because of HTTP usage, users can configure via a wireless modem connection, through the local Ethernet port **or through an available RS232 connection** using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).
3A The multi-vehicle compatible tracking unit according to claim 2 wherein said wired signal downloading interface comprises a connector for temporary connection to a downloading device.	Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to poll, filter, collect, process and store data collected from the vehicular network." Jones, 18:32-36. A person of ordinary skill in the art would understand that RS232 is a wired signal downloading interface. When such an interface is connected to another device, the device is connected via a connector that is "a connector for temporary connection" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. Jones also discloses that there is a connector for connecting to a downloading device by disclosing that the RS232 connection can be utilized for downloading with the portal through which diagnostic and data collection routines and/or other enabling data can

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	be downloaded to the device: "Because of HTTP usage, users can configure via a wireless modem connection, through the local Ethernet port **or through an available RS232 connection** using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).
4A The multi-vehicle compatible tracking unit according to claim 1 wherein said downloading interface comprises a wireless signal downloading interface.	Jones discloses that "[a]nalog and digital signals are acquired using vehicular networks or common serial interfaces. Some vehicular networks also include **short range wireless LANs** for data collection and user interface requirements." Jones, 18:51-55 (emphasis added). Jones also discloses that to manage the embedded computer apparatuses 22 includes "properly and securely reconfiguring software on the communications apparatus 22; properly and securely updating software on each such apparatus 22; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." *Id*. at 19:1-6. To that end, Jones further discloses that to achieve these objectives, "[t]he portal apparatus 310 communicates with each of the communications apparatuses 22a-22n, which may be embedded in different vehicles and constitute a fleet of vehicles, **by means of a wireless network 314**. The wireless network 314 can include **the Internet 320 and its associated technology**." *Id*. at 19:11-16 (emphasis added); *see also* Fig. 3.

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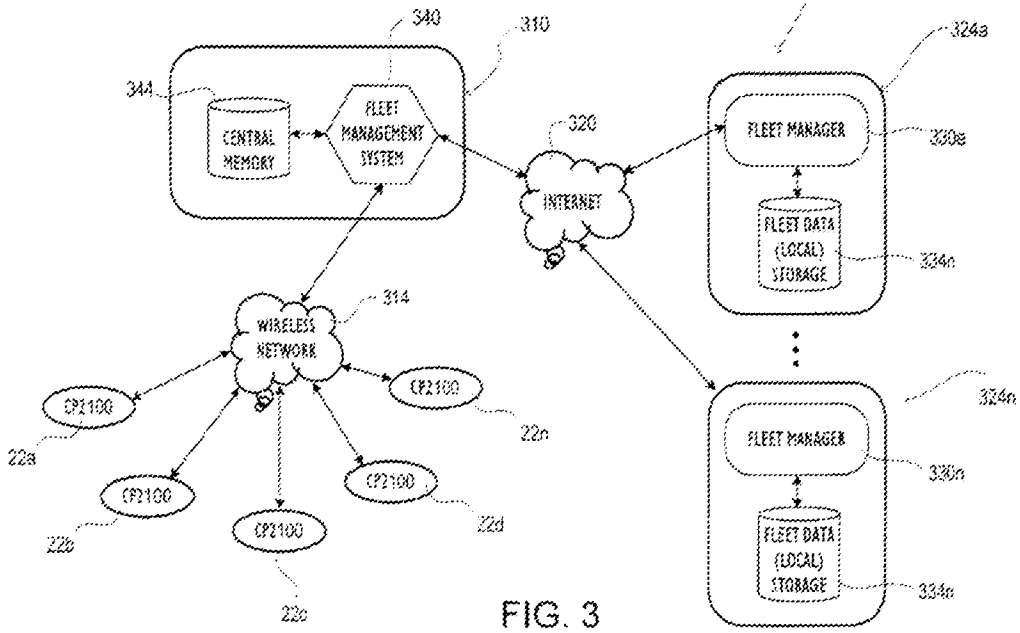
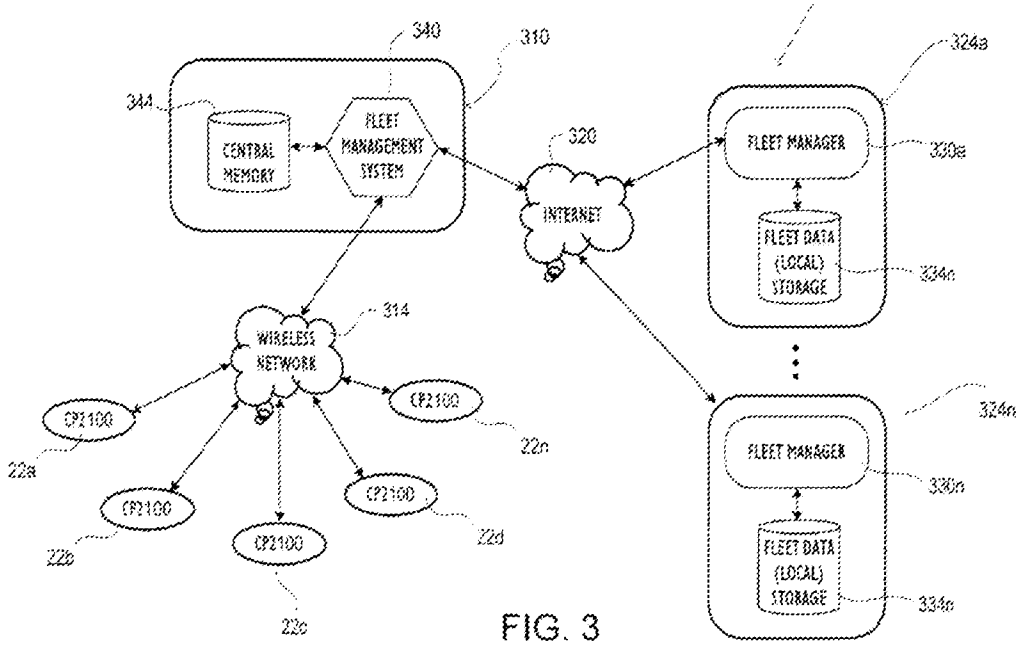
	 FIG. 3 A person of ordinary skill in the art would understand that this disclosure implicitly discloses "a wireless signal downloading interface" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. Jones also discloses that there is a wireless signal downloading interface for connecting to a downloading device by disclosing that a wireless modem connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure **via a wireless modem connection**, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).
5A The multi-vehicle compatible tracking unit according to claim 4 wherein said wireless signal downloading interface comprises a wireless receiver	Jones discloses that "[a]nalog and digital signals are acquired using vehicular networks or common serial interfaces. Some vehicular networks also include **short range wireless LANs** for data collection and user interface requirements." Jones, 18:51-55 (emphasis added). Jones also discloses that to manage the embedded computer apparatuses 22 includes "properly and securely reconfiguring software on the communications apparatus 22; properly and securely updating software on each such apparatus 22; diagnosing

'278 CLAIM	PRIOR ART – U.S. Patent No. 6,430,164 ("Jones") Alone or in Combination with 1994 and 1997 SAE HS-3000 Manuals
for temporary connection to a downloading device.	problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." *Id*. at 19:1-6. To that end, Jones further discloses that to achieve these objectives, "[t]he portal apparatus 310 communicates with each of the communications apparatuses 22a-22n, which may be embedded in different vehicles and constitute a fleet of vehicles, **by means of a wireless network 314**. The wireless network 314 can include **the Internet 320 and its associated technology**." *Id*. at 19:11-16 (emphasis added); *see also* Fig. 3.  FIG. 3 A person of ordinary skill in the art would understand that this disclosure implicitly discloses "a wireless signal downloading interface compris[ing] a wireless receiver for temporary connection to a downloading device" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. Jones also discloses that there is a wireless receiver for connecting to a downloading device by disclosing that a wireless modem connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure **via a wireless modem connection**, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).

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6A The multi-vehicle compatible tracking unit according to claim 1 wherein the corresponding at least one vehicle code is for reading from the at least one vehicle device.	Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to **poll, filter, collect, process and store data** collected from the vehicular network." Jones, 18:32-36 (emphasis added). Jones also discloses that "[d]ata from the host sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Jones, 18:48-51 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for reading from the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle. More specifically, Jones discloses that "The OBD-II 32 is available in at least certain vehicles for use in **providing engine related information**, such as engine speed, pressure of certain components, etc., using sensors that may be useful in diagnosing-vehicle engine faults. The IDB 28 is a relatively new standard bus found in vehicles that has a number of vehicle elements that **send/receive data** or other vehicle-related information, such as fuel management or other vehicle device data, using a protocol analogous to TCP/IP. These vehicle elements can include vehicle windows, doors, air bags, lights, etc. The CAN 36 is another communications network within the vehicle for **providing information** from vehicle elements, such as automotive electronics including engine sensors, lamps, electric windows, etc." Jones, 5:19-33 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for reading from the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.
7A The multi-vehicle compatible tracking unit according to claim 1 wherein the corresponding at least one vehicle code is for writing to the at least one vehicle device.	Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to **poll, filter, collect, process and store data** collected from the vehicular network." Jones, 18:32-36 (emphasis added). Jones also discloses that "[d]ata from the host sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Jones, 18:48-51 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for writing to the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle. More specifically, Jones discloses that "The OBD-II 32 is available in at least certain vehicles for use in **providing engine related information**, such as engine speed, pressure of certain components, etc., using sensors that may be useful in diagnosing-vehicle engine faults. The IDB 28 is a relatively new standard bus found in vehicles that has a number of vehicle elements that **send/receive data** or other vehicle-related information, such as fuel management or other vehicle device data, using a protocol analogous to TCP/IP. These vehicle elements can include vehicle windows, doors, air bags, lights, etc. The CAN 36 is another communications network within the vehicle for **providing information** from vehicle elements, such as automotive electronics including engine

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	sensors, lamps, electric windows, etc." Jones, 5:19-33 (emphasis added). One of ordinary skill in the art would understand from this disclosure that the vehicle code is for writing to the at least one vehicle device as part of the data collection and/or diagnostic routines for that particular type of vehicle.
8A The multi-vehicle compatible tracking unit according to claim 1 wherein said downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller.	Jones discloses that to manage the embedded computer apparatuses 22 includes "**properly and securely reconfiguring software on the communications apparatus 22**; **properly and securely updating software on each such apparatus 22**; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." Jones, 19:1-6 (emphasis added). Jones also discloses, generally, a detailed process for maintenance and/or configuration updates for programming instructions for the multi-vehicle compatible controller, whereby reconfiguring or updating software on the communications apparatuses 22 is "preferably sent as a single file from the portal apparatus 310 to one or more selected communications apparatuses 22 through the wireless network 314." Jones, 20:37-39; *see also generally*, 19:60-21:46. Once the programming instruction is received, "the configuration manager 180 is responsible for extracting changes from the configuration in the file and applying them to the communications apparatus 22 in a shadow or mirror form." *Id*. at 20:54-58. Jones further elaborates on the update capability (i.e., "downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller"): "The system 300 also has the capability where components thereof may be applied with an indication of their priority or need for update. With that information, the portal apparatus 310 can automatically notify the fleet owner/operator of changes that were incorporated. Such notification could include what needs to be changed and the objectives sought to be served by making the changes, **such as bug-fixes, new functions, etc.** Based on the notification, the fleet manager 330 of a particular fleet subsystem 324 could then direct the portal apparatus 310 to update one or more communications apparatuses 22 within the domain of that fleet subsystem 324. Such a process involving automated updating and notification would require dependency analysis to understand the dependencies among components for proper operation, but the process could also be automated to integrate customers into the evolution of the software. Further functionality associated with the portal apparatus 310 involves the gathering of diagnostic and operational data from the communications apparatuses 22. Such data enables the system and its users to understand how the communication apparatuses 22 are used and under what conditions, which information is beneficial in optimizing and enhancing its operation and functionality. Diagnostic data for such purposes can be emitted in a special compressed form to the portal apparatus 310 whereby the operations of the communications apparatuses 22 in the field are monitored and corrective actions can be taken when data indicates that such corrections are necessary or appropriate." Jones, 21:18-46.

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9A The multi-vehicle compatible tracking unit according to claim 1 further comprising a remote transmitter; and wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.	Jones discloses that "[a] number of the disparate subsystems 20 are electrically connected to one or more nodes 80 that are associated with a particular **sender and/or receiver** of the data/information in association with or part of the disparate subsystems 20. Representative of the nodes 80 are nodes 80a-80g. The node1 80a can include **an external application that is located outside of the vehicle and is wirelessly connected to the disparate subsystem IP stack 24**. By way of example, an application running on a computer station remote from a vehicle may receive vehicle data that it processes for providing a desired report." Jones, 5:54-64 (emphasis added). Jones implicitly discloses a remote transmitter in element 314 of Figure 3. Jones, Fig. 3. Jones also discloses the following scenario: > Consider a node connected to an IDB device stack 220 that wishes to gather vehicle location data and then communicate this data to the external node1 80a on the Internet. > The IDB application connects to the communications apparatus 22 node using the IDB device stack 220 and the IDB manager 114 with a packet header defining the action to take (connect to the GPS manager 112 utilizing the GPS interface 224). The IDB manager 114 would create a child component (along with the GPS manager 112) to provide the read-only data through the IDB device stack 220 back to the requesting application. This connection could be stream-based (data would stream to the IDB-based external application when updated, or could be asynchronous in a request/response mode) The IDB application next connects to the TCP/IP manager 110 (utilizing the socket interface 228) with another packet header (specifying the requested connection to the TCP/IP manager 110 along with the external host for which the connection should be made). The TCP/IP manager 110 would then make the connection to the external host, and bind a child process to handle the particular connection. > This process is identical regardless of the particular network being used by the connecting application, for example the USB 40 would use the same process. Applications can also create connections through TCP/IP 24 thereby providing Internet-based enterprise level access to devices connected to the communications apparatus 22. Jones, 13:1-43. Jones also discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to **poll, filter, collect, process and store data** collected from the vehicular network." Jones, 18:32-36 (emphasis added). Jones also discloses that "[d]ata from the host sent to the vehicle to communicate with the operator, provide GPS information, **run diagnostic routines, reconfigure data collection routines**, download code and run executable software." Jones, 18:48-51 (emphasis added). One of ordinary skill in the art would

'278 CLAIM	PRIOR ART – U.S. Patent No. 6,430,164 ("Jones") Alone or in Combination with 1994 and 1997 SAE HS-3000 Manuals
	understand that this disclosure would encompass the multi-vehicle compatible controller performing at least one vehicle remote control function responsive to a remote transmitter.
10A The multi-vehicle compatible tracking unit according to claim 9 wherein the at least one vehicle remote control function comprises at least one of a vehicle security function, a remote keyless entry function, and a remote engine starting function.	Jones discloses that "[a] number of the disparate subsystems 20 are electrically connected to one or more nodes 80 that are associated with a particular **sender and/or receiver** of the data/information in association with or part of the disparate subsystems 20. Representative of the nodes 80 are nodes 80a-80g. The node1 80a can include **an external application that is located outside of the vehicle and is wirelessly connected to the disparate subsystem IP stack 24**. By way of example, an application running on a computer station remote from a vehicle may receive vehicle data that it processes for providing a desired report." Jones, 5:54-64 (emphasis added). Jones discloses a remote transmitter in element 314 of Figure 3. Jones, Fig. 3. Jones also discloses the following scenario: Consider a node connected to an IDB device stack 220 that wishes to gather vehicle location data and then communicate this data to the external node1 80a on the Internet. The IDB application connects to the communications apparatus 22 node using the IDB device stack 220 and the IDB manager 114 with a packet header defining the action to take (connect to the GPS manager 112 utilizing the GPS interface 224). The IDB manager 114 would create a child component (along with the GPS manager 112) to provide the read-only data through the IDB device stack 220 back to the requesting application. This connection could be stream-based (data would stream to the IDB-based external application when updated, or could be asynchronous in a request/response mode) The IDB application next connects to the TCP/IP manager 110 (utilizing the socket interface 228) with another packet header (specifying the requested connection to the TCP/IP manager 110 along with the external host for which the connection should be made). The TCP/IP manager 110 would then make the connection to the external host, and bind a child process to handle the particular connection. This process is identical regardless of the particular network being used by the connecting application, for example the USB 40 would use the same process. Applications can also create connections through TCP/IP 24 thereby providing Internet-based enterprise level access to devices connected to the communications apparatus 22. Jones, 13:1-43. Jones also discloses: "The OBD-II 32 is available in at least certain vehicles for use in providing engine related information, such as engine speed, pressure of certain components, etc., using sensors that may be useful in diagnosing-vehicle engine faults. The IDB

'278 CLAIM	PRIOR ART – U.S. Patent No. 6,430,164 ("Jones") Alone or in Combination with 1994 and 1997 SAE HS-3000 Manuals
	28 is a relatively new standard bus found in vehicles that has a number of vehicle elements that **send/receive data** or other vehicle-related information, such as fuel management or other vehicle device data, using a protocol analogous to TCP/IP. These vehicle elements can include **vehicle windows, doors, air bags, lights, etc**. The CAN 36 is another communications network within the vehicle for providing information from vehicle elements, such as automotive electronics including engine sensors, lamps, electric windows, etc." Jones, 5:19-33 (emphasis added). Additionally, Jones discloses that "[t]he node3 80c may also be characterized as one or more vehicle elements associated with vehicle engine functions that are connected to the OBD 32." Jones, 5:66-6:2. The 1994 HS-3000 Manual and the 1997 HS-3000 Manual is a collection of standards for the On-Board Diagnostics (OBD) and provides the details and recommended practices of the OBDII bus interfaces utilized within the CP2100 (disclosed in Fig. 3). SAE J2178/1, starting on page 200 of the 1994 SAE HS-3000 Manual, discloses that vehicle device codes can relate to at least one of a vehicle security function, a remote keyless entry function, and a remote engine starting function. For example, Table 10, provides the "physical address assignment ranges for nodes on a network." (Page 208, SAE J2178/1, Section 7, "Physical Address Assignment"). As illustrated in this table, the "security" (alarm indicating devices) codes can be transmitted using messages having addresses in the range (hex) C0-C7. The addresses from C000-C0FF are reserved for SAE standard codes, and for manufacturer specified codes may range from C100-C7FF.

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	TABLE 19—NODE PHYSICAL ADDRESS ASSIGNMENTS Node — Address (Hex) Powertrain Controllers: Integration / Manufacturer Expansion — 00 - 0F Engine Controller — 10 - 17 Transmission Controller — 18 - 1F Chassis Controllers: Integration / Manufacturer Expansion — 20 - 27 Brake Controller — 28 - 2F Steering Controller — 30 - 37 Suspension Controller — 38 - 3F Body Controllers: Integration / Manufacturer Expansion — 40 - 57 Powerpoints — 58 - 5F Driver Information / Displays — 60 - 6F Lighting — 70 - 7F Entertainment / Audio — 80 - 8F Personal Communications — 90 - 97 HVAC — 98 - 9F Convenience (Doors, Seats, Windows, etc.) — A0 - BF Security — C0 - C7 Future Expansion: — C8 - CF Manufacturer Specific: — D0 - EF Off-Board Testers / Diagnostic Tools: — F0 - FD All Nodes: — FE Null Node: — FF See e.g., 1997 version of SAE HS-3000 Manual, Remote lock w/ Transmitter ID having PRN C001, Table 32, page 150. See e.g., 1994 SAE HS 3000 Manual, Door lock cylinder state, Table 16, page 222 with PRN of A010. See also, Ignition Switch Position, page 229 with PRN 1047 of 1994 SAE HS-3000 Manual.
11A The multi-vehicle compatible tracking unit according to claim 1 wherein said wireless position determining device comprises a Global Positioning System (GPS)	Jones discloses a communication apparatus "contained within a vehicle having a number of disparate subsystems. The disparate subsystems include protocol based units and close-ended devices." Jones, 1:57-59. Jones further discloses that "[a]n example of such a close-ended device might be a global position system (GPS) that is useful in providing vehicle location information or a hardware device, such as a vehicle sensor from which data can be obtained for a particular vehicle component to which the sensor is operably connected[.]" Jones, 1-6; *see also* Fig. 1, elements 26 and 112.

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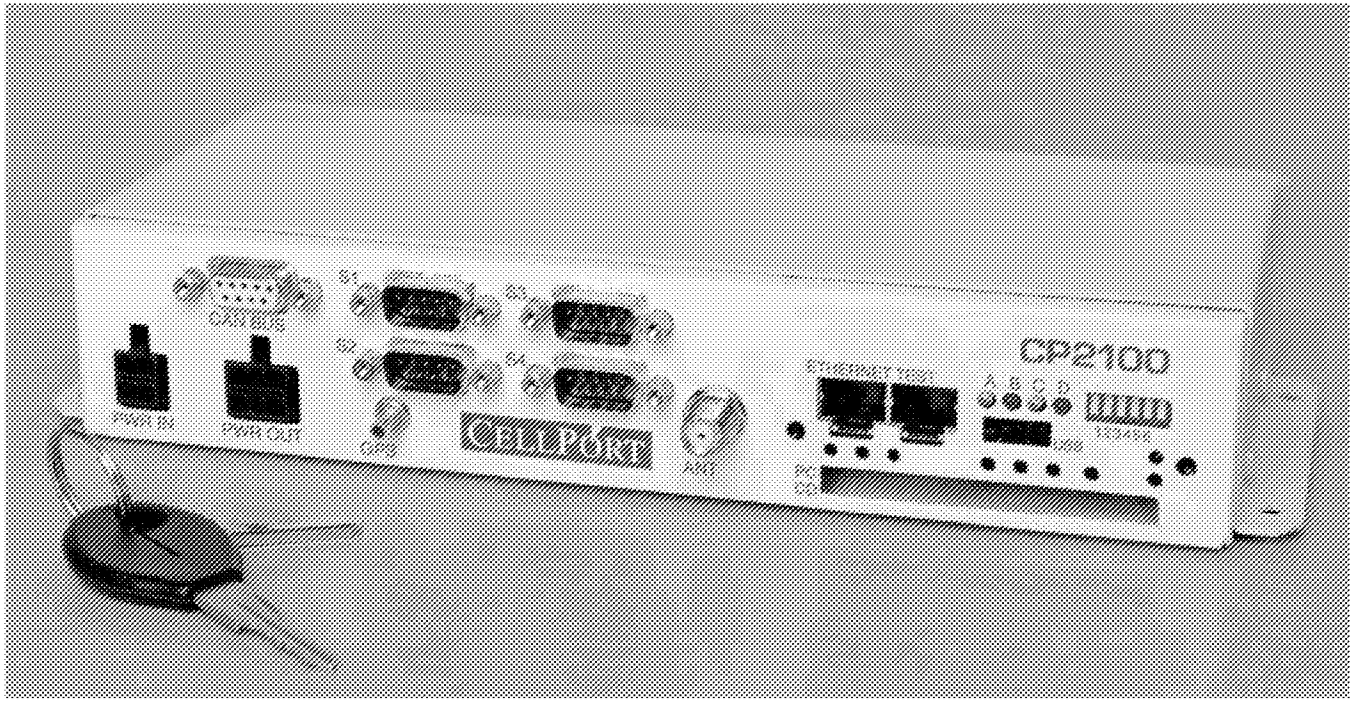
receiver.	
12A The multi-vehicle compatible tracking unit according to claim 1 further comprising a housing containing said vehicle position determining device, said wireless communications device, said multi-vehicle compatible controller, and said downloading interface.	Jones discloses a housing containing said vehicle position determining device, said wireless communications device, said multi-vehicle compatible controller, and said downloading interface in nodes 22a through 22n of Figure 3. *See* Jones, Fig. 3. Jones discloses a CP2100 in Figure 3. *See id*. As shown in the below picture, a CP2100 has a housing that contains a vehicle position determining device, a wireless communications device, a multi-vehicle compatible controller, and a downloading interface.  Prices for CellPort Labs' CP2100 Mobile Network Server start at $995, including interfaces to vehicle networks, such as CAN and J1850, and to wireless networks, such as cellular, paging, and personal communications systems. Maury Wright, *Prep for a Multimedia Future*, EDN MAGAZINE, Aug. 19, 1999, at 84 (illustrating photo of CP2100) (hereinafter, "Auto Electronics publication").

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13A A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible vehicle tracking unit comprising:	See Claim 1A.
13B a vehicle position determining device;	See Claim 1B.
13C a wireless communications device;	See Claim 1C.
13D a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information;	See Claim 1D.
13E said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles;	See Claim 1E.

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and	
13F a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller;	See Claim 1F.
13G said downloading interface comprising a connector for temporary connection to a downloading device.	Jones discloses that "[t]he communications apparatus 22 allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to poll, filter, collect, process and store data collected from the vehicular network." Jones, 18:32-36. A person of ordinary skill in the art would understand that RS232 is a downloading interface. When such an interface is connected to another device, the device is connected via a connector that is "a connector for temporary connection" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. Jones also discloses that there is a connector for connecting to a downloading device by disclosing that multiple types of connections can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure via a wireless modem connection, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19.
14A The multi-vehicle compatible tracking unit according to claim 13 wherein the corresponding at least one vehicle code is for reading from the at least one vehicle device.	See Claim 6A.
15A The multi-vehicle compatible tracking unit according to claim 13 wherein the	See Claim 7A.

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corresponding at least one vehicle code is for writing to the at least one vehicle device.	
16A The multi-vehicle compatible tracking unit according to claim 13 wherein said downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller.	See Claim 8A.
17A The multi-vehicle compatible tracking unit according to claim 13 further comprising a remote transmitter; and wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.	See Claim 9A.
18A A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle	See Claim 1A.

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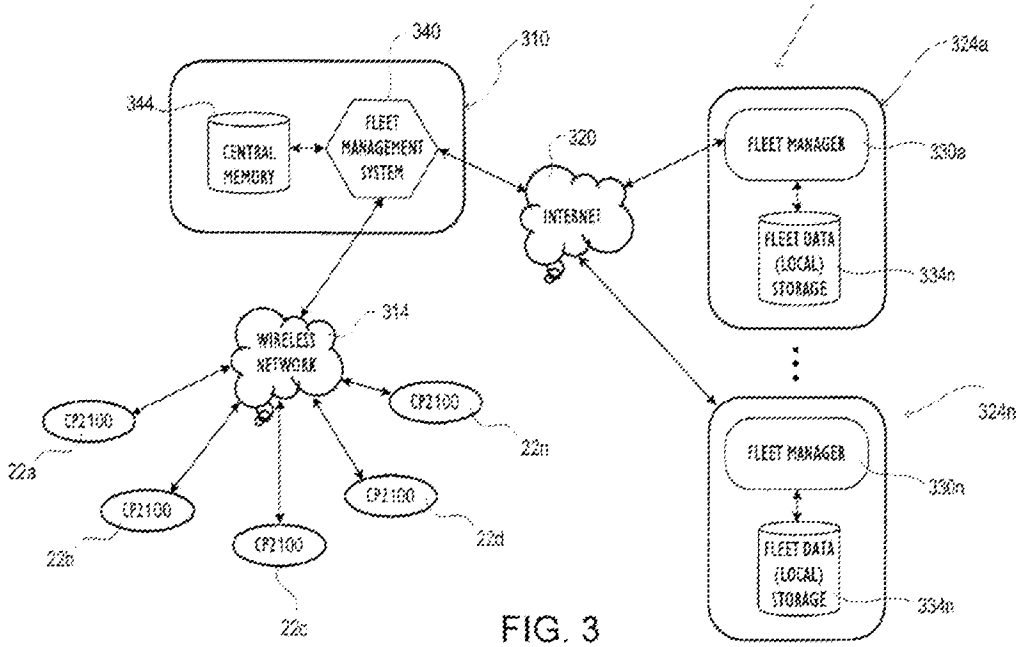
compatible vehicle tracking unit comprising:	
18B a vehicle position determining device;	See Claim 1B.
18C a wireless communications device;	See Claim 1C.
18D a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information;	See Claim 1D.
18E said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles; and	See Claim 1E.
18F a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use	See Claim 1F.

'278 CLAIM	PRIOR ART – U.S. Patent No. 6,430,164 ("Jones") Alone or in Combination with 1994 and 1997 SAE HS-3000 Manuals
by said multi-vehicle compatible controller;	
18G said downloading interface comprising a wireless receiver for temporary connection to a downloading device.	Jones discloses that "[a]nalog and digital signals are acquired using vehicular networks or common serial interfaces. Some vehicular networks also include **short range wireless LANs** for data collection and user interface requirements." Jones, 18:51-55 (emphasis added). Jones also discloses that to manage the embedded computer apparatuses 22 includes "properly and securely reconfiguring software on the communications apparatus 22; properly and securely updating software on each such apparatus 22; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22." *Id*. at 19:1-6. To that end, Jones further discloses that to achieve these objectives, "[t]he portal apparatus 310 communicates with each of the communications apparatuses 22a-22n, which may be embedded in different vehicles and constitute a fleet of vehicles, **by means of a wireless network 314**. The wireless network 314 can include **the Internet 320 and its associated technology**." *Id*. at 19:11-16 (emphasis added); *see also* Fig. 3.  FIG. 3

'278 CLAIM	PRIOR ART – U.S. Patent No. 6,430,164 ("Jones") Alone or in Combination with 1994 and 1997 SAE HS-3000 Manuals
	A person of ordinary skill in the art would understand that this disclosure implicitly discloses "a downloading interface compris[ing] a wireless receiver for temporary connection to a downloading device" through which diagnostic and data collection routines and/or other enabling data can be downloaded to the device. Jones also discloses that there is a wireless receiver for connecting to a downloading device by disclosing that a wireless modem connection can be utilized for downloading with the portal through which software updates can be downloaded to the device: "Because of HTTP usage, users can configure **via a wireless modem connection**, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP." Jones, 7:16-19 (emphasis added).
19A The multi-vehicle compatible tracking unit according to claim 18 wherein the corresponding at least one vehicle code is for reading from the at least one vehicle device.	See Claim 6A.
20A The multi-vehicle compatible tracking unit according to claim 18 wherein the corresponding at least one vehicle code is for writing to the at least one vehicle device.	See Claim 7A.
21A The multi-vehicle compatible tracking unit according to claim 18 wherein said downloading interface is also for permitting downloading	See Claim 8A.

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of at least one programming instruction for said multi-vehicle compatible controller.	
22A The multi-vehicle compatible tracking unit according to claim 18 further comprising a remote transmitter; and wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.	See Claim 9A.

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	Vehicle Tracking Unit with Downloadable Codes and Associated Methods
First Named Inventor/Applicant Name:	Kenneth E. Flick
Filer:	David J. Bailey/Melissa Yee
Attorney Docket Number:	C13-03896.RE3

Filed as Large Entity

Filing Fees for ex parte reexam

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
EX PARTE REEXAMINATION (1.510(A)) NON-STREAMLINED	1812	1	12000	12000
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**12000**

Electronic Acknowledgement Receipt

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Application Number:	90014309
International Application Number:	
Confirmation Number:	8724
Title of Invention:	Vehicle Tracking Unit with Downloadable Codes and Associated Methods
First Named Inventor/Applicant Name:	Kenneth E. Flick
Customer Number:	150739
Filer:	David J. Bailey/Melissa Yee
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Receipt Date:	24-MAY-2019
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Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$12000
RAM confirmation Number	052819INTEFSW17072900
Deposit Account	504407
Authorized User	Melissa Yee

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37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Copy of patent for which reexamination is requested	pat8032278.pdf	7412131 9afb72830d0f12585bfe41510011c98eb4935307	no	33
Warnings:					
Information:					
2	Receipt of Orig. Ex Parte Request by Third Party	US6430164B1.pdf	5295177 94b2382abd1ed887e13764d99c3d35aca11b5f88	no	18
Warnings:					
Information:					
3	Receipt of Orig. Ex Parte Request by Third Party	US6606561B2.pdf	6182794 5aab86a92281d584a33c4f82e884d6dbacbb07ad	no	30
Warnings:					
Information:					
4	Receipt of Orig. Ex Parte Request by Third Party	US7149623B2.pdf	6004637 69c30e1a4a9aa3dc351008e11ff874acd0f26ba5	no	26
Warnings:					
Information:					
5	Receipt of Orig. Ex Parte Request by Third Party	US7720597B2.pdf	6292189 db242dbdff6bec13d390f636e7aa3b2080eed99c	no	27
Warnings:					
Information:					
6	Receipt of Orig. Ex Parte Request by Third Party	US8032278B2.pdf	7412209 27d47a19961ff0c1296ce606ea10b45cde0bd4ff	no	33
Warnings:					
Information:					

7	Receipt of Orig. Ex Parte Request by Third Party	US8032278C2.pdf	513965 944a989c575c2d5e0d9f716fe45a79390f17b277	no	2
Warnings:					
Information:					
8	Non Patent Literature	cellport.pdf	42398 9bdb637ecf469fc67ca0c622344ed9a6d7a7bfa0	no	3
Warnings:					
Information:					
9	Other Reference-Patent/App/Search documents	FLICKusprov60205178.pdf	3103721 3a607b5382e2b7a6f3698786f5a28e42956fb7fe	no	23
Warnings:					
Information:					
10	Other Reference-Patent/App/Search documents	FLICKusprov60222777.pdf	4192491 c47766b218a4691ffe3bcbae327af8075849fb5d	no	29
Warnings:					
Information:					
11	Other Reference-Patent/App/Search documents	FLICKusprov60236890.pdf	4756431 a8423533bcc77520660cd0e069b472f4adbf4186	no	32
Warnings:					
Information:					
12	Other Reference-Patent/App/Search documents	FLICKusprov60252125.pdf	5598715 253203d138da3736d6ebbf18242d2ea63f72c970	no	36
Warnings:					
Information:					
13	Other Reference-Patent/App/Search documents	FLICKusprov60251552.pdf	6100605 802cbe33ef5da7f5c8d1d28a2a80c17dc9089e54	no	40
Warnings:					
Information:					

14	Other Reference-Patent/App/Search documents	FLICKusprov60258005.pdf	6834466 85c63c6964f0537991fa5d08adb2e30cb25e6c25	no	42
Warnings:					
Information:					
15	Other Reference-Patent/App/Search documents	FLICKusprov60264811.pdf	7380810 aaabac0724f268e56798adf00056a451cc9072ea	no	45
Warnings:					
Information:					
16	Other Reference-Patent/App/Search documents	OMEGAvCALAMP.pdf	231604 60d9ef799a711be09e5dd74707700313555 3daff	no	30
Warnings:					
Information:					
17	Receipt of Orig. Ex Parte Request by Third Party	US8032278C1r.pdf	539810 fd9dd805ceb3de4c2984cee72dc12bc277277e3d	no	2
Warnings:					
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18	Non Patent Literature	SPELTademonstration.pdf	1345058 4b8c3af31dac937926353bfa5b1c96b19ef02002	no	6
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Information:					
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Warnings:					
Information:					
20	Non Patent Literature	WRIGHTprepforamultimedia.pdf	179791 7031459360734cbc1694366f022da8775e111682	no	7
Warnings:					
Information:					

21	Non Patent Literature	SAE1994edition.pdf	20547108 e0b4f53e23f142a8e639fa2effcdcab46604e784	no	259
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Information:					
22	Non Patent Literature	SAE1997edition.pdf	25399220 9c8b6b306b8c63b6dc5372b8891c8b0870966a80	no	172
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23	Reexam - Info Disclosure Statement Filed by 3rd Party	03896re3ids1449r.pdf	217787 ef419003001d2acd22251671ef4d1f2b98ce5990	no	3
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24	Transmittal Letter	03896re3reqexpartereexamxmtl.pdf	166611 7e314ca0913e4e09bf8f67a6dc8e56801abb6d9c	no	3
Warnings:					
Information:					
25		03896re3reexanrequest.pdf	1899526 7ae02c9975839d7f24447c4e7e19f8bea512e389	yes	92
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Receipt of Orig. Ex Parte Request by Third Party		1	91	
	Reexam Certificate of Service		92	92	
Warnings:					
Information:					
26	Receipt of Orig. Ex Parte Request by Third Party	ExhibitD-ClaimChart-CellPortPressRelease.pdf	2415947 bb92968aa767912f575c2afaacb637e2f53ad8ab	no	30
Warnings:					
Information:					

27	Receipt of Orig. Ex Parte Request by Third Party	ExhibitEClaimChart-164Jones.pdf	2898827 f5cb307f26cd3cee2e054274bba62ffa5d9d0523	no	23
Warnings:					
Information:					
28	Fee Worksheet (SB06)	fee-info.pdf	30329 3c5de04ec74899c3df8261c87766f31c0f7d2f5e	no	2
Warnings:					
Information:					
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New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
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US008032278B2

(12) **United States Patent**
Flick

(10) **Patent No.: US 8,032,278 B2**
(45) **Date of Patent: Oct. 4, 2011**

(54) **VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS**

(75) Inventor: **Kenneth E. Flick**, Douglasville, GA (US)

(73) Assignee: **Omega Patents, L.L.C.**, Douglasville, GA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 840 days.

(21) Appl. No.: **11/773,272**

(22) Filed: **Jul. 3, 2007**

(65) **Prior Publication Data**

US 2007/0279283 A1 Dec. 6, 2007

Related U.S. Application Data

(63) Continuation-in-part of application No. 11/076,259, filed on Mar. 9, 2005, now Pat. No. 7,720,597, which is a continuation of application No. 10/383,496, filed on Mar. 7, 2003, now Pat. No. 7,149,623, which is a continuation of application No. 09/859,972, filed on May 17, 2001, now Pat. No. 6,606,561.

(60) Provisional application No. 60/264,811, filed on Jan. 29, 2001, provisional application No. 60/258,005, filed on Dec. 22, 2000, provisional application No. 60/251,552, filed on Dec. 6, 2000, provisional application No. 60/252,125, filed on Nov. 20, 2000, provisional application No. 60/236,890, filed on Sep. 29, 2000, provisional application No. 60/246,463, filed on Nov. 7, 2000, provisional application No. 60/222,777, filed on Aug. 3, 2000, provisional application No. 60/205,178, filed on May 17, 2000.

(51) **Int. Cl.**
G01C 21/00 (2006.01)

(52) **U.S. Cl.** **701/36**; 701/33; 382/104; 382/988; 455/575.9

(58) **Field of Classification Search** 701/36, 701/207–209; 340/500, 506, 515, 531, 533–534
See application file for complete search history.

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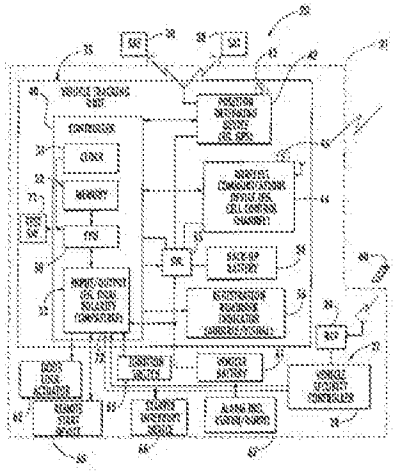
Primary Examiner — Cuong H Nguyen
(74) *Attorney, Agent, or Firm* — Allen, Dyer, Doppelt, Milbrath & Gilchrist, P.A.

(57) **ABSTRACT**

A multi-vehicle compatible tracking unit is for a vehicle including a vehicle data bus extending throughout the vehicle. The vehicle tracking unit may include a vehicle position determining device, a wireless communications device, and a multi-vehicle compatible controller for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The multi-vehicle compatible controller may be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles. A downloading interface may be included for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller.

22 Claims, 13 Drawing Sheets



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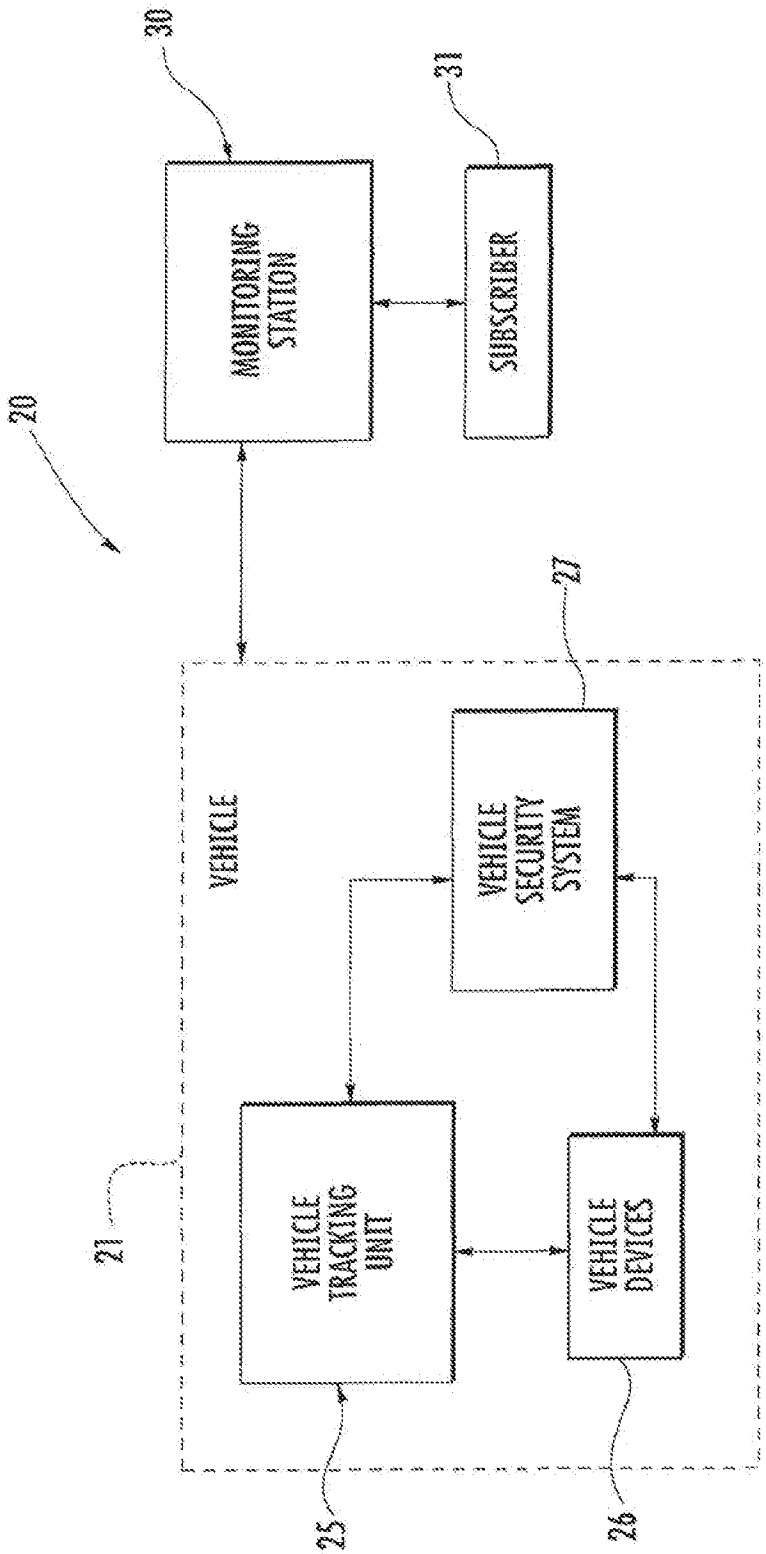
20
30
MONITORING STATION
31
SUBSCRIBER
21
VEHICLE
27
VEHICLE SECURITY SYSTEM
VEHICLE TRACKING UNIT
VEHICLE DEVICES
25
26

FIG. 1

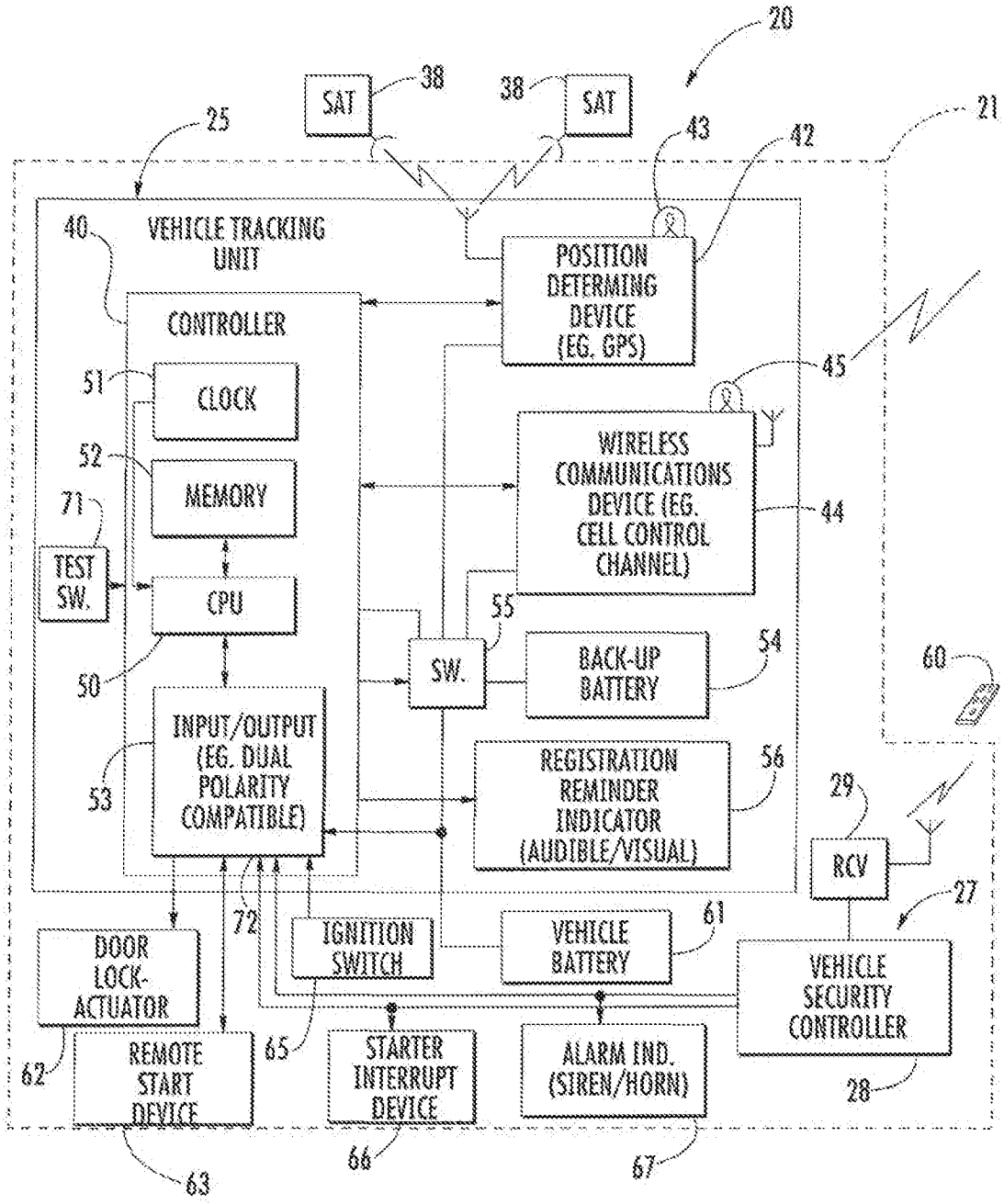
20
SAT
38
38
SAT
21
25
43
42
40
VEHICLE TRACKING UNIT
POSITION DETERMING DEVICE (EG. GPS)
CONTROLLER
45
51
CLOCK
52
MEMORY
WIRELESS COMMUNICATIONS DEVICE (EG. CELL CONTROL CHANNEL)
44
71
TEST SW.
CPU
55
54
60
50
SW.
BACK-UP BATTERY
INPUT/OUTPUT (EG. DUAL POLARITY COMPATIBLE)
REGISTRATION REMINDER INDICATOR (AUDIBLE/VISUAL)
56
29
53
RCV
27
72
61
IGNITION SWITCH
VEHICLE BATTERY
DOOR LOCK-ACTUATOR
VEHICLE SECURITY CONTROLLER
65
62
REMOTE START DEVICE
STARTER INTERRUPT DEVICE
ALARM IND. (SIREN/HORN)
28
63
66
67

FIG. 2

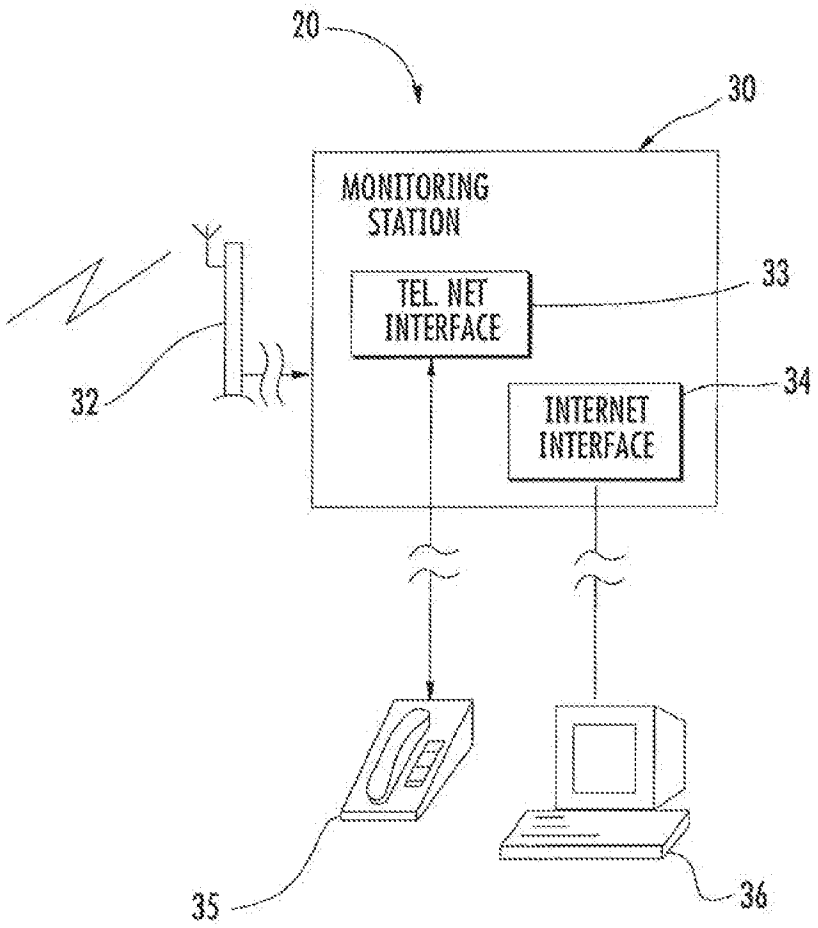
20
30
MONITORING STATION
TEL. NET INTERFACE
33
32
INTERNET INTERFACE
34
35
36

FIG. 3

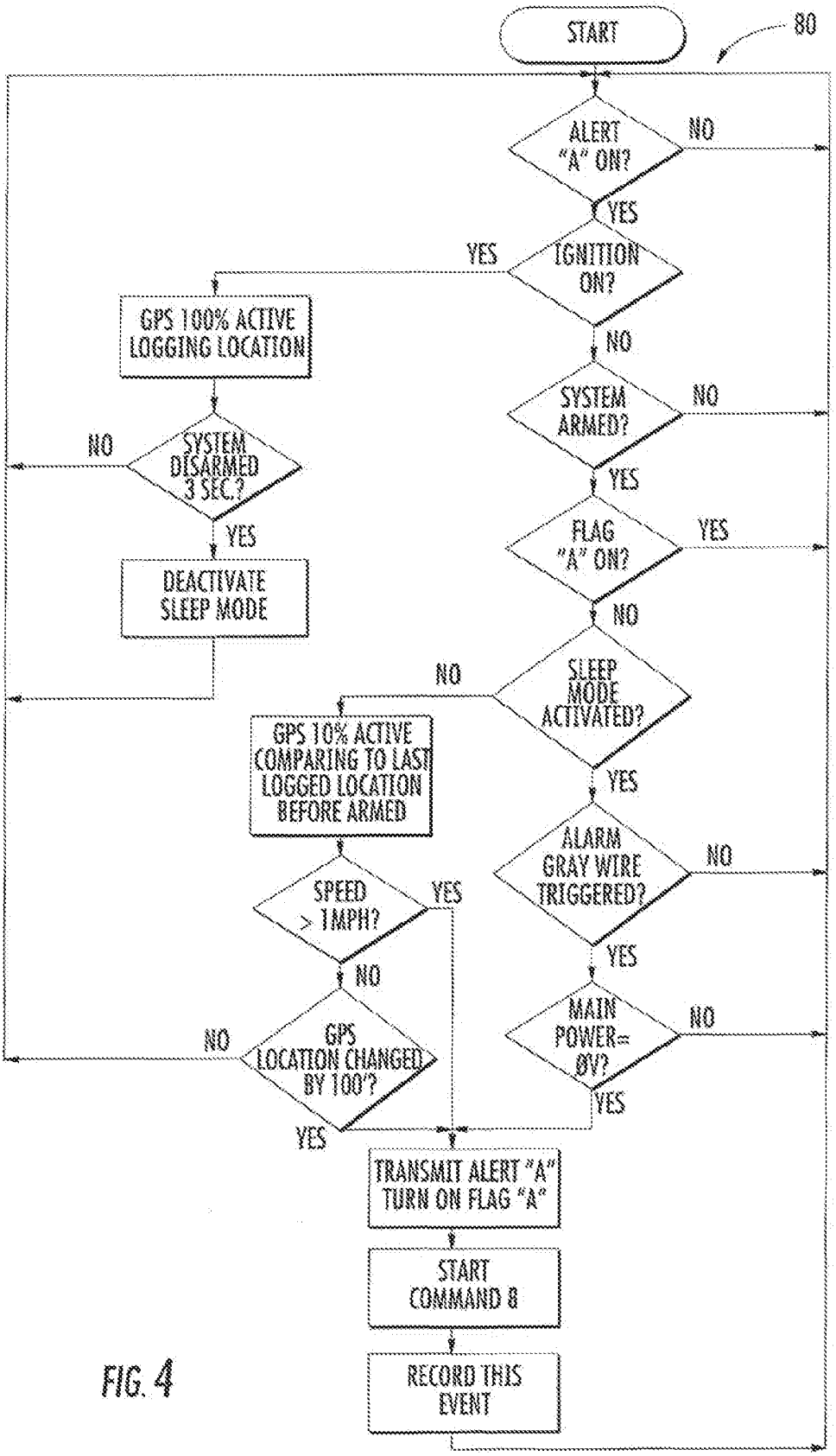
START
80
ALERT "A" ON?
NO
YES
IGNITION ON?
YES
GPS 100% ACTIVE LOGGING LOCATION
NO
SYSTEM ARMED?
NO
YES
SYSTEM DISARMED 3 SEC.?
NO
YES
DEACTIVATE SLEEP MODE
FLAG "A" ON?
YES
NO
SLEEP MODE ACTIVATED?
NO
YES
GPS 10% ACTIVE COMPARING TO LAST LOGGED LOCATION BEFORE ARMED
ALARM GRAY WIRE TRIGGERED?
NO
YES
SPEED > 1MPH?
YES
NO
MAIN POWER= 0V?
NO
YES
GPS LOCATION CHANGED BY 100'?
NO
YES
TRANSMIT ALERT "A" TURN ON FLAG "A"
START COMMAND 8
RECORD THIS EVENT

FIG. 4

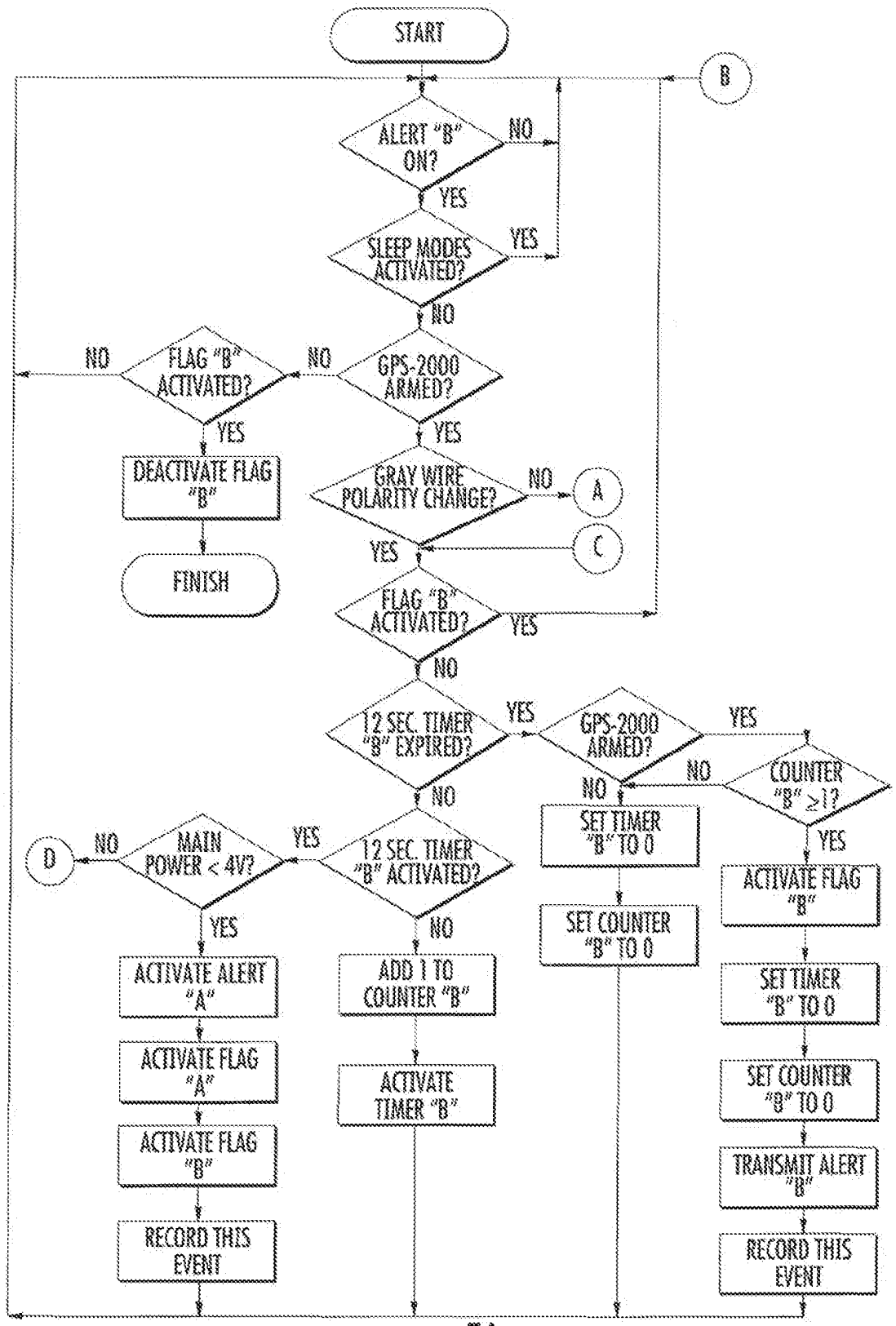
START
B
ALERT "B" ON?
NO
YES
SLEEP MODES ACTIVATED?
YES
NO
FLAG "B" ACTIVATED?
NO
GPS-2000 ARMED?
NO
YES
YES
DEACTIVATE FLAG "B"
FINISH
GRAY WIRE POLARITY CHANGE?
NO
A
YES
C
FLAG "B" ACTIVATED?
YES
NO
12 SEC. TIMER "B" EXPIRED?
YES
GPS-2000 ARMED?
YES
NO
COUNTER "B" ≥1?
NO
NO
SET TIMER "B" TO 0
SET COUNTER "B" TO 0
YES
ACTIVATE FLAG "B"
SET TIMER "B" TO 0
SET COUNTER "B" TO 0
TRANSMIT ALERT "B"
RECORD THIS EVENT
D
NO
MAIN POWER < 4V?
YES
12 SEC. TIMER "B" ACTIVATED?
YES
ACTIVATE ALERT "A"
ACTIVATE FLAG "A"
ACTIVATE FLAG "B"
RECORD THIS EVENT
NO
ADD 1 TO COUNTER "B"
ACTIVATE TIMER "B"

FIG. 5A

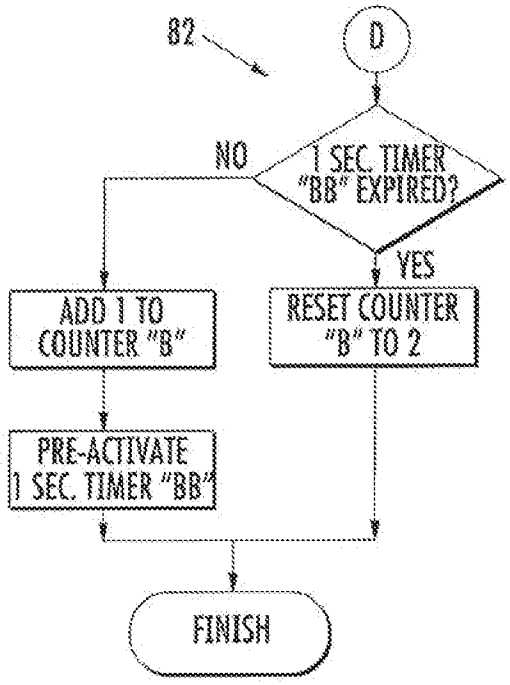
82
D
1 SEC. TIMER "BB" EXPIRED?
NO
YES
ADD 1 TO COUNTER "B"
RESET COUNTER "B" TO 2
PRE-ACTIVATE 1 SEC. TIMER "BB"
FINISH

FIG. 5B

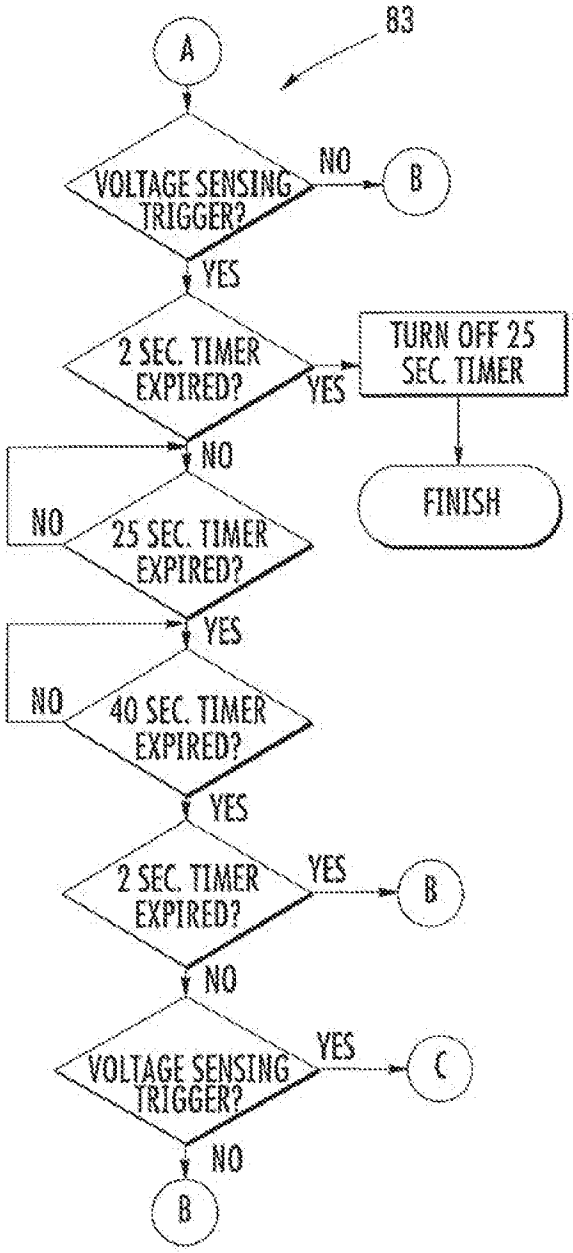
83
A
VOLTAGE SENSING TRIGGER?
NO
B
YES
2 SEC. TIMER EXPIRED?
YES
TURN OFF 25 SEC. TIMER
FINISH
NO
NO
25 SEC. TIMER EXPIRED?
YES
NO
40 SEC. TIMER EXPIRED?
YES
2 SEC. TIMER EXPIRED?
YES
B
NO
VOLTAGE SENSING TRIGGER?
YES
C
NO
B

FIG. 5C

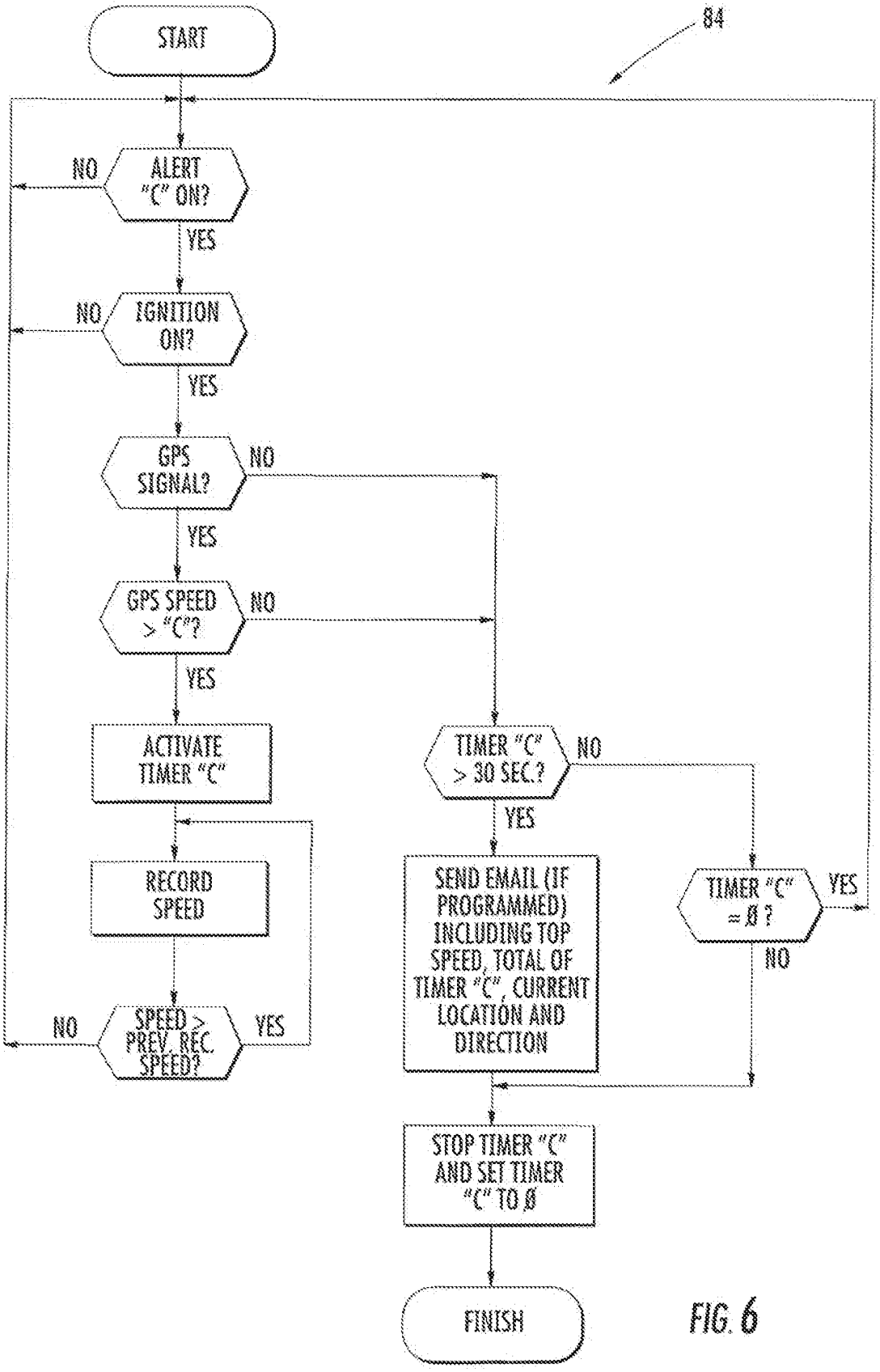
84
START
ALERT "C" ON?
NO
YES
IGNITION ON?
NO
YES
GPS SIGNAL?
NO
YES
GPS SPEED > "C"?
NO
YES
ACTIVATE TIMER "C"
RECORD SPEED
SPEED > PREV. REC. SPEED?
NO
YES
TIMER "C" > 30 SEC.?
NO
YES
SEND EMAIL (IF PROGRAMMED) INCLUDING TOP SPEED, TOTAL OF TIMER "C", CURRENT LOCATION AND DIRECTION
TIMER "C" = Ø ?
YES
NO
STOP TIMER "C" AND SET TIMER "C" TO Ø
FINISH

FIG. 6

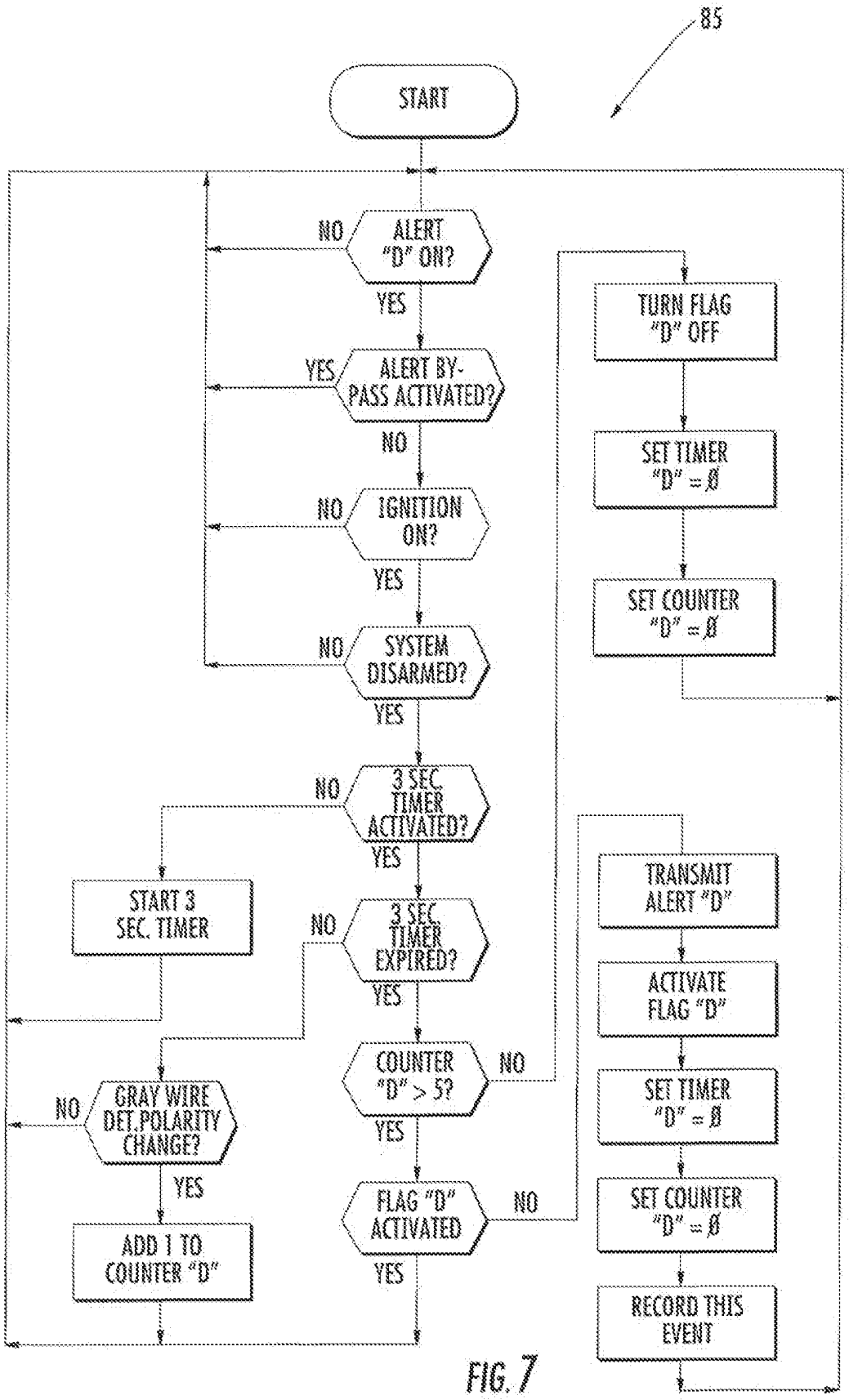
85
START
ALERT "D" ON?
NO
YES
ALERT BY-PASS ACTIVATED?
YES
NO
IGNITION ON?
NO
YES
SYSTEM DISARMED?
NO
YES
3 SEC. TIMER ACTIVATED?
NO
YES
START 3 SEC. TIMER
3 SEC. TIMER EXPIRED?
NO
YES
COUNTER "D" > 5?
NO
YES
GRAY WIRE DET.POLARITY CHANGE?
NO
YES
ADD 1 TO COUNTER "D"
FLAG "D" ACTIVATED
NO
YES
TURN FLAG "D" OFF
SET TIMER "D" = Ø
SET COUNTER "D" = Ø
TRANSMIT ALERT "D"
ACTIVATE FLAG "D"
SET TIMER "D" = Ø
SET COUNTER "D" = Ø
RECORD THIS EVENT

FIG. 7

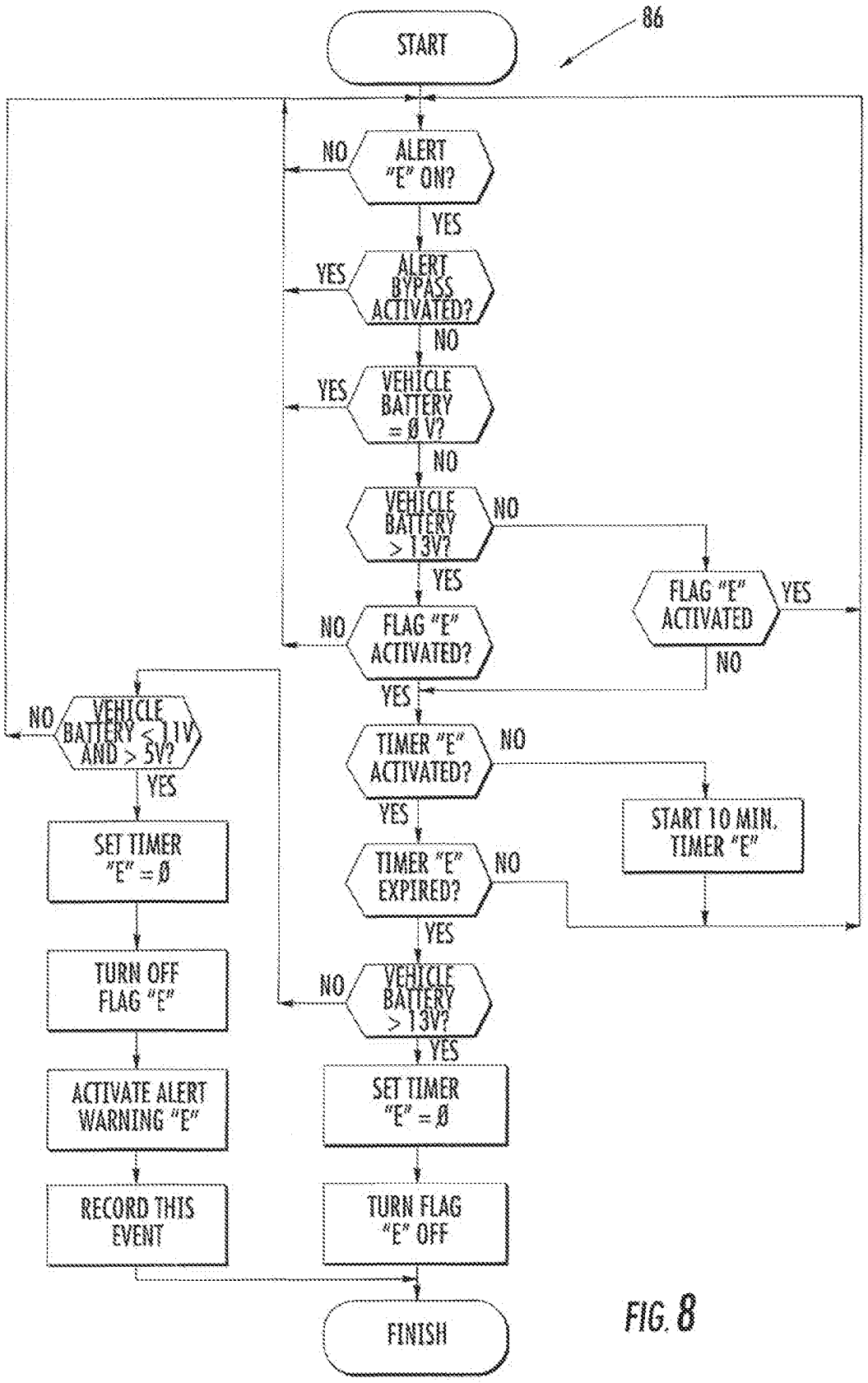
86
START
ALERT "E" ON?
NO
YES
ALERT BYPASS ACTIVATED?
YES
NO
VEHICLE BATTERY = Ø V?
YES
NO
VEHICLE BATTERY > 13V?
NO
YES
FLAG "E" ACTIVATED
YES
NO
FLAG "E" ACTIVATED?
NO
YES
TIMER "E" ACTIVATED?
NO
YES
START 10 MIN. TIMER "E"
TIMER "E" EXPIRED?
NO
YES
VEHICLE BATTERY > 13V?
NO
YES
SET TIMER "E" = Ø
TURN FLAG "E" OFF
VEHICLE BATTERY < 11V AND > 5V?
NO
YES
SET TIMER "E" = Ø
TURN OFF FLAG "E"
ACTIVATE ALERT WARNING "E"
RECORD THIS EVENT
FINISH

FIG. 8

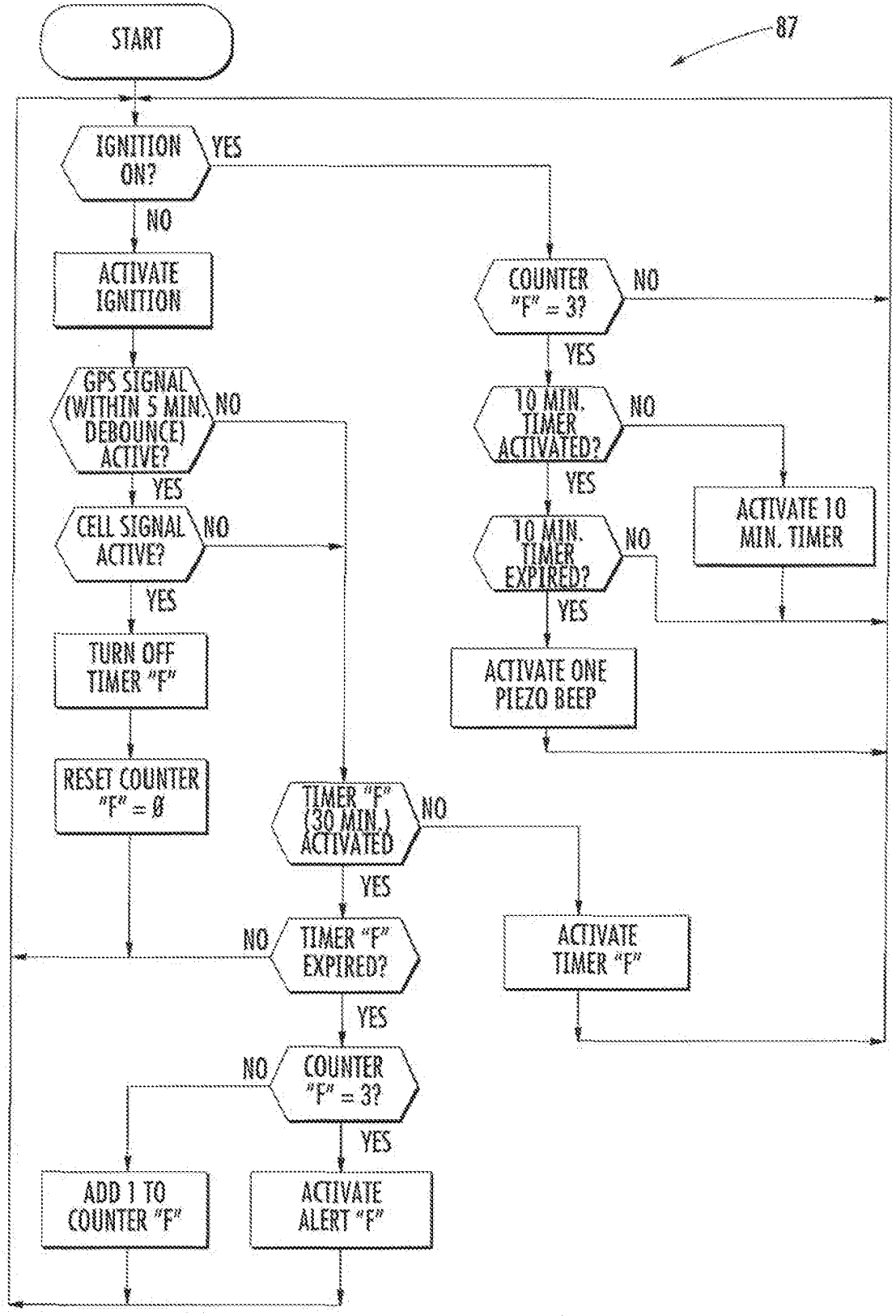
87
START
IGNITION ON?
YES
NO
ACTIVATE IGNITION
GPS SIGNAL (WITHIN 5 MIN. DEBOUNCE) ACTIVE?
NO
YES
CELL SIGNAL ACTIVE?
NO
YES
TURN OFF TIMER "F"
RESET COUNTER "F" = Ø
TIMER "F" (30 MIN.) ACTIVATED
NO
YES
TIMER "F" EXPIRED?
NO
YES
COUNTER "F" = 3?
NO
YES
ADD 1 TO COUNTER "F"
ACTIVATE ALERT "F"
ACTIVATE TIMER "F"
COUNTER "F" = 3?
NO
YES
10 MIN. TIMER ACTIVATED?
NO
YES
ACTIVATE 10 MIN. TIMER
10 MIN. TIMER EXPIRED?
NO
YES
ACTIVATE ONE PIEZO BEEP

FIG. 9

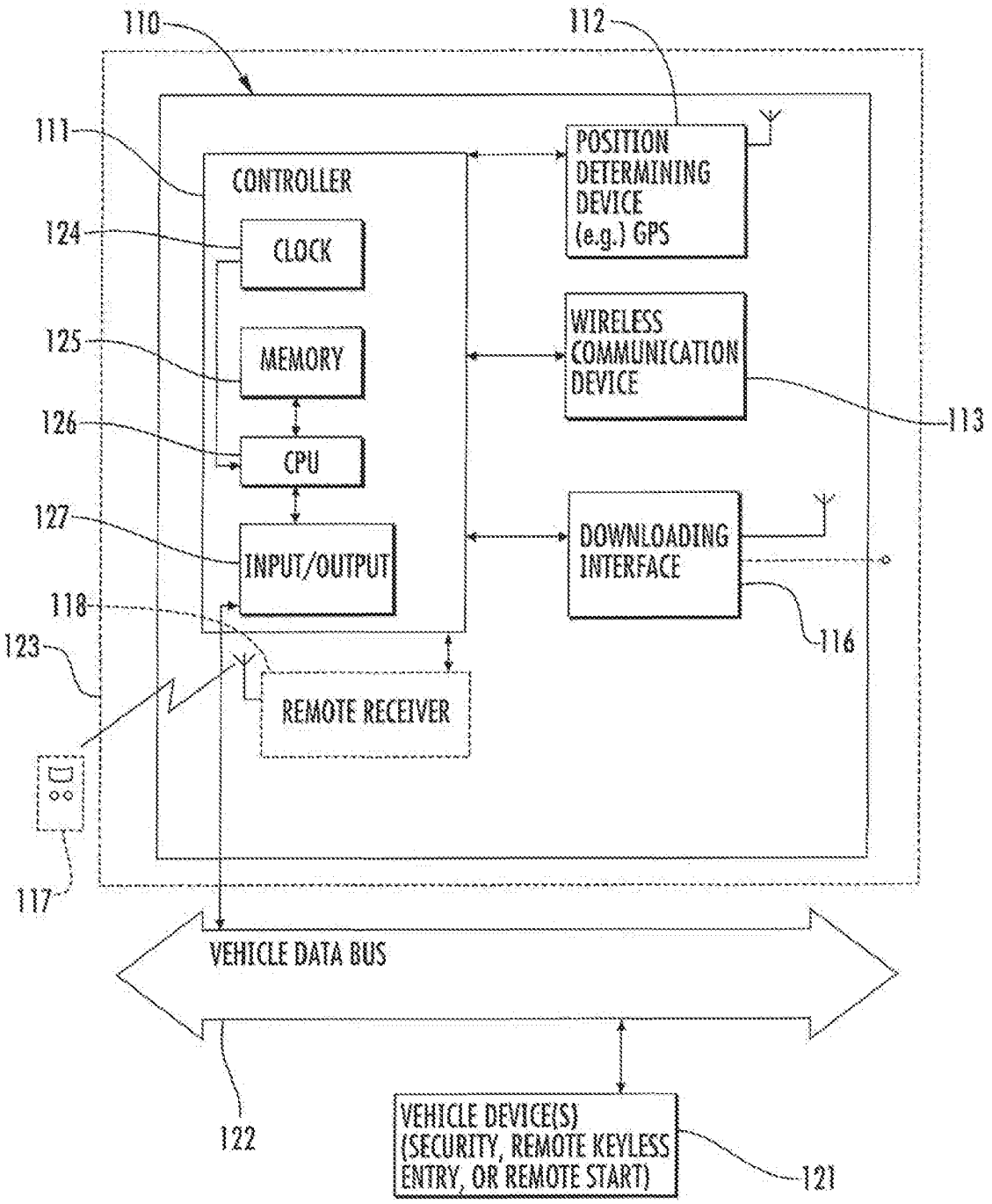
110
112
111
CONTROLLER
POSITION DETERMINING DEVICE (e.g.) GPS
124
CLOCK
125
MEMORY
WIRELESS COMMUNICATION DEVICE
113
126
CPU
127
INPUT/OUTPUT
DOWNLOADING INTERFACE
118
116
123
REMOTE RECEIVER
117
VEHICLE DATA BUS
122
VEHICLE DEVICE(S) (SECURITY, REMOTE KEYLESS ENTRY, OR REMOTE START)
121

FIG. 10

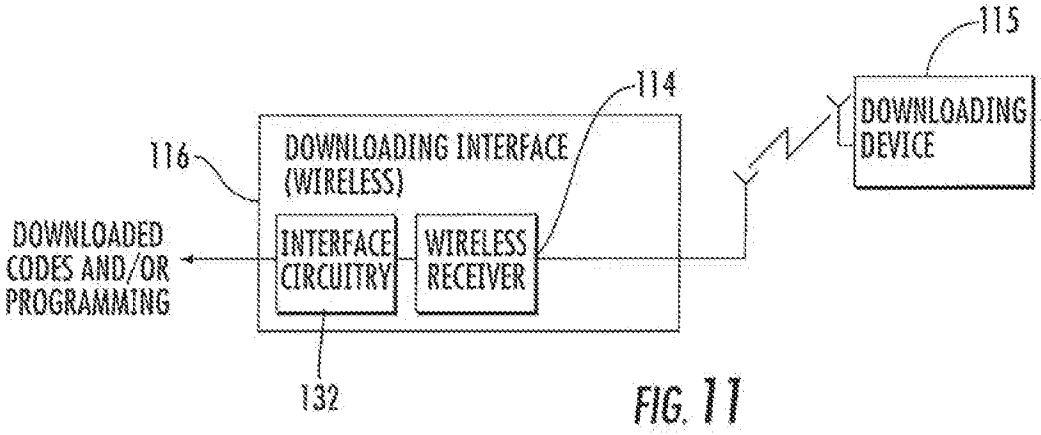

FIG. 11

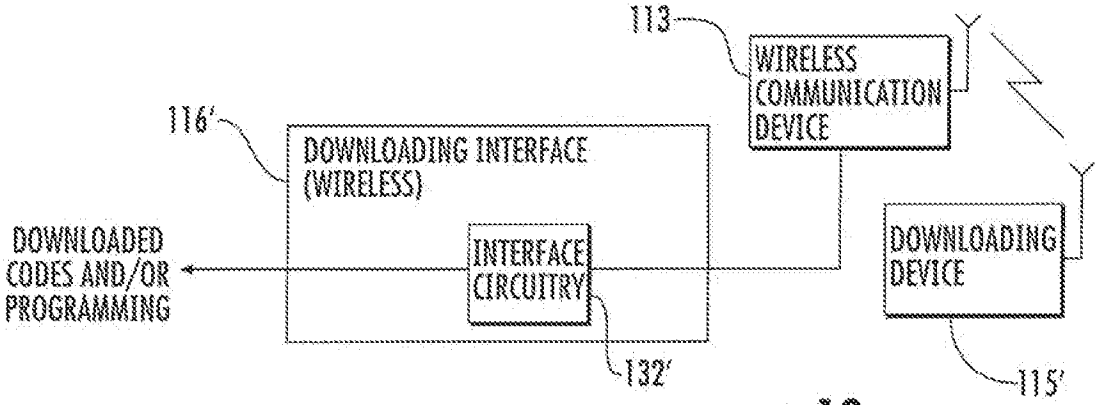

FIG. 12

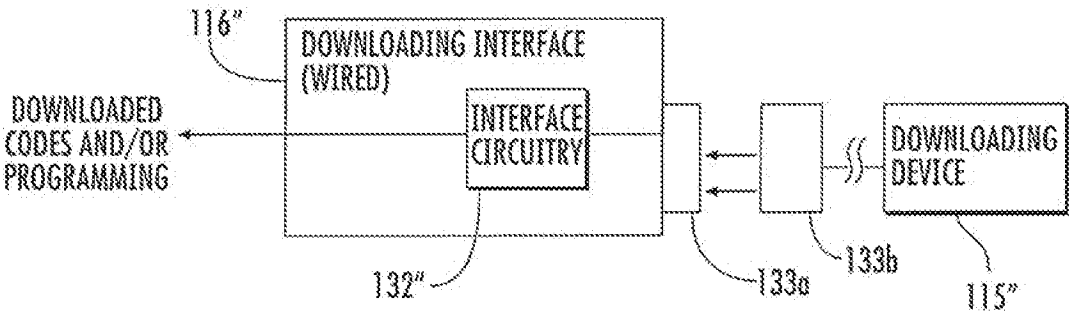

FIG. 13

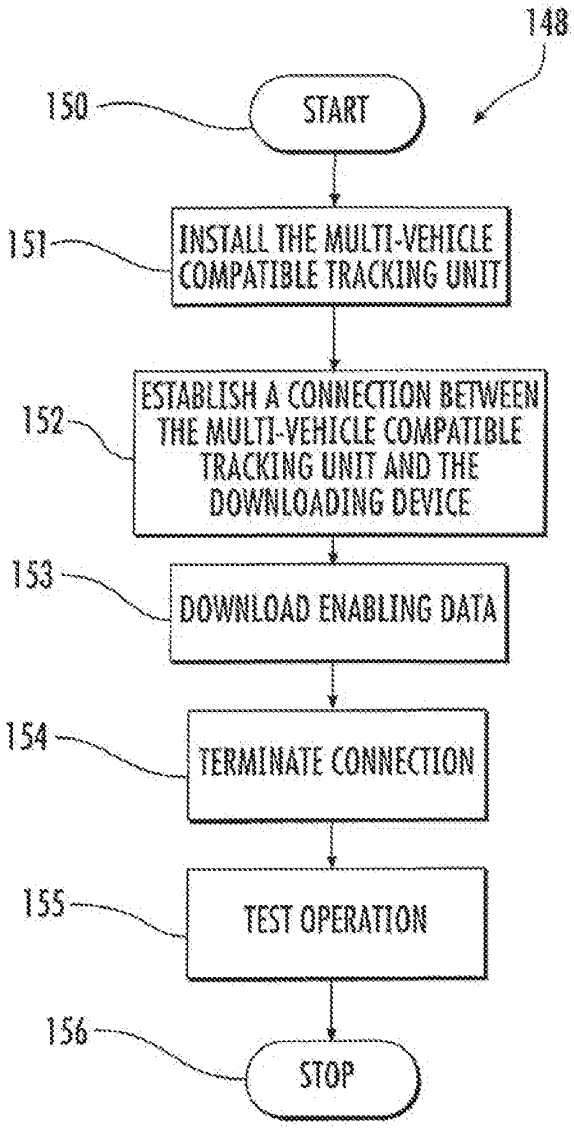
148
150
START
151
INSTALL THE MULTI-VEHICLE COMPATIBLE TRACKING UNIT
152
ESTABLISH A CONNECTION BETWEEN THE MULTI-VEHICLE COMPATIBLE TRACKING UNIT AND THE DOWNLOADING DEVICE
153
DOWNLOAD ENABLING DATA
154
TERMINATE CONNECTION
155
TEST OPERATION
156
STOP

FIG. 14

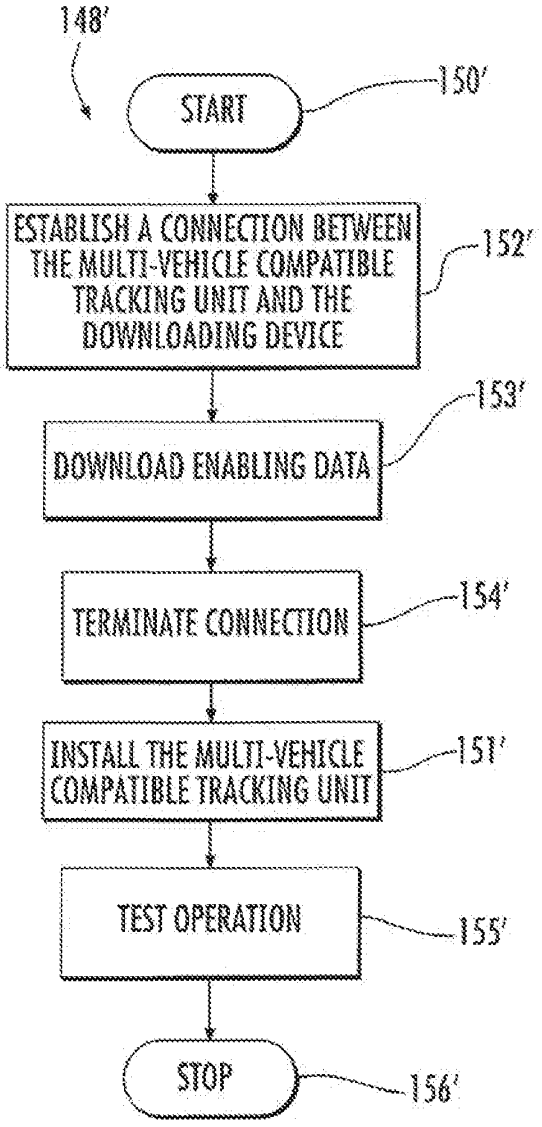
148'
START
150'
ESTABLISH A CONNECTION BETWEEN THE MULTI-VEHICLE COMPATIBLE TRACKING UNIT AND THE DOWNLOADING DEVICE
152'
DOWNLOAD ENABLING DATA
153'
TERMINATE CONNECTION
154'
INSTALL THE MULTI-VEHICLE COMPATIBLE TRACKING UNIT
151'
TEST OPERATION
155'
STOP
156'

FIG. 15

VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS

RELATED APPLICATIONS

The present application is a continuation-in-part of U.S. patent application Ser. No. 11/076,259 filed Mar. 9, 2005 now U.S. Pat. No. 7,720,597, which is a continuation of U.S. patent application Ser. No. 10/383,496 filed Mar. 7, 2003 now U.S. Pat. No. 7,149,623, which is a continuation of U.S. patent application Ser. No. 09/859,972 filed on May 17, 2001 now U.S. Pat. No. 6,606,561 which, in turn, was based upon provisional patent application Ser. Nos. 60/264,811 filed on Jan. 29, 2001; 60/258,005, filed Dec. 22, 2000; 60/251,552, filed Dec. 6, 2000; 60/252,125, filed Nov. 20, 2000; 60/236,890, filed Sep. 29, 2000; 60/246,463, filed Nov. 7, 2000; 60/222,777, filed Aug. 3, 2000; and 60/205,178, filed May 17, 2000, the entire contents of each of which are incorporated herein by reference.

FIELD OF THE INVENTION

The present invention relates to the field of vehicle devices, and, more particularly, to a tracking system for vehicles, and related methods.

BACKGROUND OF THE INVENTION

Motor vehicles, such as passenger cars, trucks, busses, fleet vehicles, etc. are widely used and knowing the locations of such vehicles is often desired. For example, should a vehicle be stolen, it would be beneficial to know the vehicle's location so that authorities could be promptly and accurately directed to retrieve the vehicle. Indeed, the tracking system could plot the getaway path of the thief.

For a company with hired drivers, it may be desirable to know the driver's whereabouts during the course of the day. Similarly, a rental car agency or other fleet operator, for example, may wish to know the whereabouts of its fleet of vehicles.

It may also be desirable to track the location of a vehicle as it is used throughout the course of a normal day. For parents of younger or older drivers, for example, knowledge of the vehicle's location may provide some assurance that the driver is at designated locations and following a prescribed route.

A number of patents disclose various systems and approaches to tracking vehicles. For example, U.S. Pat. No. 5,223,844 discloses a tracking system including a control center and a mobile unit installed in the vehicle. The mobile unit may send security warnings to the command center via a wireless transceiver. Position information for the vehicle is determined using a GPS receiver at the vehicle.

U.S. Pat. No. 5,515,043 discloses a similar system which may send one or more preprogrammed telephone messages to a user when away from the vehicle. The user may remotely access location information or cause certain commands to be carried out by entering a personal identification number (PIN).

The widespread availability and use of the Internet has prompted a number of vehicle tracking systems to also make use of the Internet. For example, TelEvoke, Inc. proposed such a system in combination with Clifford Electronics. The system was to provide notification, control and tracking services via the telephone or the Internet. Users could be notified via phone, e-mail, or pager of events such as a car alarm being triggered. Users could control the vehicle remote devices via phone, web, or PDA such as unlocking car doors. Additionally, users could track TelEvoke-enabled vehicles on the Internet or via the telephone. An Internet map could be viewed by the user showing the actual and prior vehicle locations. TelEvoke offered its services via a centralized fully automated Network Operations Center. To reduce the communications costs, it was proposed to use the control channel of the cellular telephone network.

There are, of course, a number of vehicles which come from the manufacturer with some form of security system already installed. In addition, a number of vehicles are also equipped with aftermarket security systems. Many conventional vehicle tracking units may not be readily installed in vehicles, particularly those vehicles already including a vehicle security system. In addition, complexity of installation may significantly increase the system costs.

A number of patents disclose various security and control systems that address data bus interoperability. For example, U.S. Pat. No. 5,719,551, assigned to Omega Patents, LLC, the assignee of the present invention, discloses a vehicle security system for a vehicle including a data bus connecting a plurality of vehicle devices. A signal enabling circuit enables the alarm controller to operate using a set of desired signals selected from a plurality of possible sets for different vehicles. U.S. Pat. No. 6,011,460, assigned to Omega Patents, LLC, discloses a similar system where the set of desired signals from the plurality of different sets of signals for different vehicles is obtained, such as by connection and communication with a downloading device. Additionally, U.S. Pat. No. 6,756,885, also assigned to Omega Patents, LLC, discloses a multi-vehicle control system whereby a multi-vehicle compatible controller stores a set of device codes for a given vehicle device for a plurality of different vehicles. Device codes are read from the data communications bus, and a match between a read device code and the stored device codes is determined to provide compatibility with different vehicles.

Unfortunately, such advanced techniques for dealing with multiple device codes for a vehicle having a data communications bus have not yet been developed for vehicle tracking units.

SUMMARY OF THE INVENTION

In view of the foregoing background, it is therefore an object of the present invention to provide a multi-vehicle compatible tracking unit which may be used to control operable vehicle devices, and/or read information therefrom via the vehicle data communications bus and related methods.

This and other objects, features, and advantages in accordance with the present invention are provided by a multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle. The multi-vehicle compatible tracking unit may include a vehicle position determining device, a wireless communications device, and a multi-vehicle compatible controller for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The multi-vehicle compatible controller may be coupled to the vehicle data bus for communication therewith with at least one vehicle device. The at least one vehicle device may use at least one corresponding vehicle device code from among a plurality thereof for different vehicles. The tracking unit may also include a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller. Accordingly, the multi-vehicle compatible

tracking unit may be used to control operable vehicle devices, and/or read information therefrom via the vehicle data communications bus.

The downloading interface may comprise either a wired or wireless signal downloading interface. The wired signal downloading interface may comprise a connector for temporary connection to a downloading device, for example. The wireless signal downloading interface may include a wireless receiver for temporary connection to a downloading device. The wireless signal downloading interface may also be in the form of a connection to the wireless communications device used for sending position information. The downloading interface may also be for permitting downloading of at least one programming instruction for the multi-vehicle compatible controller, in some embodiments.

The corresponding at least one vehicle code may be for reading from the at least one vehicle device, and/or for writing to the at least one vehicle device. Further, the multi-vehicle compatible tracking unit may comprise a remote transmitter. At least one vehicle remote control function responsive to the remote transmitter may be performed by the multi-vehicle compatible controller. For example, the at least one vehicle remote control function may include at least one of a vehicle security function, a remote keyless entry function, and a remote engine starting function. Also, the wireless position determining device may comprise a Global Positioning System (GPS) receiver. A tracking unit may also include a common housing for its various components.

A method aspect is for using a multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle. The multi-vehicle compatible tracking unit may include a vehicle position determining device, a wireless communications device, and a multi-vehicle compatible controller for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The multi-vehicle compatible controller may be coupled to the vehicle data bus for connection thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality of thereof for different vehicles. The method may include downloading the enabling data related to at least one corresponding vehicle device code for use by the multi-vehicle compatible controller via a downloading interface.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** is a simplified block diagram of a vehicle tracking system in accordance with the present invention.

FIG. **2** is a more detailed block diagram of the vehicle tracking unit as shown in FIG. **1**.

FIG. **3** is a more detailed block diagram of the monitoring station as shown in FIG. **1**.

FIG. **4** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle stolen alert.

FIGS. **5A-5C** are a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle alarm sounding alert.

FIG. **6** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle speeding alert.

FIG. **7** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating an unauthorized transmitter learned alert.

FIG. **8** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a low battery alert.

FIG. **9** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a GPS or cellular unit failure alert.

FIG. **10** is a simplified block diagram of a multi-vehicle compatible tracking unit in accordance with the invention.

FIG. **11** is a more detailed block diagram of an embodiment of the downloading interface as shown in FIG. **10**.

FIG. **12** is a more detailed block diagram of another embodiment of a downloading interface as shown in FIG. **10**.

FIG. **13** is a more detailed block diagram of yet another embodiment of the downloading interface as shown in FIG. **10**.

FIG. **14** is a flowchart showing a method in accordance with the invention.

FIG. **15** is a flowchart showing another embodiment of a method in accordance with the invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

The present invention will now be described more fully hereinafter with reference to the accompanying drawings in which preferred embodiments of the invention are shown. This invention may, however, be embodied in many different forms and should not be construed as limited to the illustrated embodiments set forth herein. Rather, these embodiments are provided so that this disclosure will be thorough and complete, and will fully convey the scope of the invention to those skilled in the art. Like numbers refer to like elements throughout, and prime notation and multiple prime notation are used to indicate similar elements in alternate embodiments.

Referring to FIGS. **1-3**, the vehicle tracking system **20** in accordance with the invention is now initially described. The vehicle system **20** illustratively includes a vehicle tracking unit **25** to be mounted in the vehicle **21** and a monitoring station **30** which is remote from the vehicle and which is typically in a fixed location. In the illustrated embodiment, the vehicle tracking unit **25** interfaces with various vehicle devices, such as may include security sensors, door locks, etc. as will be appreciated by those skilled in the art.

The vehicle tracking unit **25** is also illustratively connected to a separate vehicle security system **27** as may already be installed in the vehicle **21**, from the factory or installed as an aftermarket product. Those of skill in the art will appreciate that in some embodiments of the vehicle tracking system **20** a separate vehicle security system **27** may not be needed, and/or various features thereof can be readily incorporated in the vehicle tracking unit **25**.

The monitoring station **30** may typically service a number of subscribers **31**. As shown perhaps best in FIG. **3**, the monitoring station **30** may include a user interface, such as the schematically illustrated telephone network interface **33** and the internet interface **34** which are schematically coupled to a telephone **35**, and a computer **36**, respectively. Of course in other embodiments, other interfaces may be used and only one of the illustrated interfaces may be needed. Those of skill in the art will also recognize that messages may be sent to a subscriber or user via preprogrammed voice messages, e-mail messages, facsimile messages, pager alerts, etc. In addition commands or instructions from the subscriber can also be input to the monitoring station **30** via the telephone network interface **33** and/or the internet interface **34**, from the subscribers telephone **35** or computer **36**.

The monitoring station **30** is illustratively connected to a cellular telephone tower **32** which, in turn, may communicate with the vehicle tracking unit **25** in some embodiments. Of course, in other embodiments other communications

approaches are also contemplated, such as, for example, including satellite communications.

The monitoring station **30** may typically include the necessary modems, and other communications electronics, and computers for its functions which are described in greater detail below. The configuration of such components and their details will be readily apparent to those skilled in the art. Accordingly, no further discussion of these details is needed.

Referring now more specifically to FIG. **2**, additional details of the vehicle tracking unit **25** and devices at the vehicle are now further described. The vehicle tracking unit **25** illustratively includes a controller **40**, a vehicle position determining device **42**, and a wireless communications device **44** connected together. The vehicle position determining device **42** may be provided by a GPS receiver, for example. The GPS receiver typically operates by receiving multiple signals from spaced apart satellites **38** as will be appreciated by those skilled in the art.

In other embodiments, the vehicle position determining device **42** may be provided based upon communications with the cellular telephone network, or based upon other satellite transmissions, for example. As a particular example, time of arrival techniques are available based upon multiple reception paths to determine position via the cellular telephone network as will be appreciated by those skilled in the art. The vehicle position determining device **42** also illustratively includes an indicator **43** associated therewith, such as for indicating an operating mode, or proper operation of the device as will be addressed in greater detail below.

The wireless communications device **44** may be provided by a cellular telephone transceiver configured to operate on a control channel of the cellular network. Such a control channel may provide nearly universal coverage for the tracking system **20** as will be appreciated by those skilled in the art. In addition, the control channel may offer relatively inexpensive communications between the monitoring station **30** and the vehicle tracking unit **25** as will be appreciated by those skilled in the art. The wireless communications device **44** also illustratively includes an optional status indicator **45** with a similar function as the indicator **43** for the vehicle position determining device.

The wireless communications device **44** in other embodiments, may transmit in the voiceband of the cellular network. Alternately, the wireless communications device may communicate over other networks, such as over satellite, or via wireless internet services, as will be appreciated by those skilled in the art.

The controller **40** illustratively includes a central processing unit (CPU) **50** or other logic circuitry which is connected to a clock signal generator **51** and a memory **52**. In other embodiments, the memory **52** may be an embedded memory in the CPU **50**. The controller **40** also includes schematically illustrated input/output circuitry **53** to interface with various vehicle devices. In particular the input/output circuitry **53** may provide dual polarity compatibility for one or more inputs or outputs as will be described in greater detail below. One or more of the terminals of the input/output circuitry **53** may also provide both input and output functions as will also be described in greater detail below. This may significantly simplify and accelerate installation of the vehicle tracking unit **25** in the vehicle **21**.

Also illustratively shown as part of the vehicle tracking unit **25** are a back-up battery **54**, and switch **55** connected thereto for selectively powering certain of the components based upon the controller **40**. Of course, the vehicle **21** also includes an electrical system including the vehicle battery **61**. Powering of the vehicle tracking unit **25** is described in greater detail below.

The vehicle **21** also includes a number of other components that may relate to vehicle tracking, security, and/or convenience features provided by the vehicle tracking system **20**. For example, the vehicle **21** may include one or more door lock actuators **62**, an optional remote starting device **63**, a starter interrupt device **66** and an alarm indicator **67**. For example, the alarm indicator may be provided by a vehicle horn or vehicle siren, and/or flashing of the lights.

The optional separate security system **27** illustratively includes a vehicle security controller **28** and a receiver **29** connected thereto. As is conventional, the vehicle security system **27** may be switched between armed and disarmed modes, for example, by one or more uniquely coded remote transmitters **60**. The vehicle security controller **28** may also be capable of learning a new uniquely coded remote transmitter **60** as will be appreciated by those skilled in the art. The vehicle security controller **28** also illustratively is connected to the starter interrupt device **66** and the alarm indicator **67**.

For ease of explanation, a number of the features of the vehicle tracking system **20** are now described. The vehicle tracking system **20** includes a number of features that may simplify installation and maintenance. For example, as shown in FIG. **2**, the vehicle tracking unit **25** may have a test switch **71** connected to the controller **40**.

In normal operation, the controller **40** may be called upon to operate at least one vehicle device. Of course, the controller **40** also cooperates with the wireless communications device **44** and the vehicle position determining device **42** to determine and send vehicle position information to the monitoring station **30**. Moreover, the controller **40** may be switchable to a test mode for test operation of the at least one vehicle device responsive to activation of the test switch **71**.

In some embodiments, the at least one vehicle device may be a plurality of vehicle devices that are tested by operation in sequence. For example, the at least one vehicle device may comprise at least one door lock actuator **62**. The at least one vehicle device may also comprise the starter interrupt device **66**, or the engine remote starter **63** if remote starting is an implemented feature. The at least one vehicle device which is tested, may also be the alarm indicator **67**. Accordingly, an installer, for example, can quickly check that the tracking unit has been properly installed.

To further provide for ready determination of proper operation of the vehicle tracking unit **25**, one or both of the position determining and wireless communications devices **42**, **44** may include associated indicators **43**, **45** as mentioned briefly above, and which provide an indication relating to proper operation. Each indicator **43**, **45** may indicate a mode of operation of the device, its proper operation, or a partial or complete failure of the device.

Another aspect of the invention is that the controller **40** may provide a selectable polarity for the at least one vehicle device based upon sensing thereof. Accordingly, a predetermined activation of the test switch **71** may cause the controller **40** to sense and select the proper polarity. Pressing the test switch **71** for a predetermined time or in a predetermined pattern may sense and set the polarity.

Another feature of the vehicle tracking unit **25** and vehicle tracking system **20** relates to conservation of the number of codes or messages that need to be sent to the vehicle tracking unit. In particular, the controller **40** may have a plurality of different controller states and respond differently to a same message from the monitoring station **30** at different times depending upon the controller state at a given time. Accord-

ingly, a number of codes or messages used by the system can be conserved. Various messages are described in greater detail below.

A controller state may change based upon several different occurrences or events. For example the controller may change states in response to a change in at least one vehicle device, or based upon a message received by the wireless communications device **44** from the monitoring station **30**, and/or based upon elapsed time. The controller states, for example, may include an alert sent state based upon an alert message being sent from the wireless communications device **44**. Thereafter, receipt of a predetermined message by the wireless communications device **44** when the controller **40** is in the alert sent state may confirm receipt of the alert message by the monitoring station.

Receipt of the predetermined message by the wireless communications device **44** when the controller **40** is in another state different than the alert sent state may thus cause a different response by the controller. The alert sent state may comprise at least one of a vehicle stolen alert sent state, a vehicle alarm sounding alert sent state, a vehicle speeding alert sent state, an unauthorized remote transmitter alert sent state, a low vehicle battery alert sent state, and a device malfunction alert sent state. The various alert messages and confirmation thereof are described in greater detail below.

The code or message conservation aspects of the vehicle tracking system **20** also permit sending a sequence of codes or messages within a predetermined time to also cause a different response at the vehicle tracking unit **25**. In other words, the plurality of controller states may comprise a received first message state based upon a first message being received by the wireless communications device **44** from the monitoring station **30**. Receipt of a second message by the wireless communications device **44** when the controller **40** is in the received first message state, such as within a predetermined time window, for example, may thus cause a different response by the controller than does receipt of the second message when the controller is in another state than the received first message state.

The plurality of controller states may comprise a vehicle finder state sounding an audible signal via the alarm indicator **67** at the vehicle **21**. In this state the controller **40** would bypass sending a vehicle alarm sounding alert to the monitoring station **30**.

Another aspect of the vehicle tracking system **20** is the provision of certain power conservation and management techniques, such as to permit extended periods where the vehicle **21** is not in operation. During such extended periods, the vehicle battery **61** provides power to the vehicle tracking unit **25** as well as other vehicle devices. Accordingly, the voltage of the vehicle battery **61** drops over time. The vehicle tracking unit **25** may provide a significant drain on the vehicle battery **61** because of the power consumed by the wireless communications device **44** during transmission as will be appreciated by those skilled in the art.

The vehicle position determining device **42**, the wireless communications device **44** and the controller **40** may be considered as defining a power load of the vehicle tracking unit **25**. The controller **40** may operate the schematically illustrated power switch **55** to isolate the back-up battery **54** from the power load as a voltage of the vehicle battery **61** drops until reaching a threshold. After or below the threshold the controller **40** may cause the back-up battery **54** to selectively power only a first portion of the power load while a second portion of the power load remains powered by the vehicle battery.

For example, the wireless communications device **44** may have a higher operating voltage than the vehicle position determining device **42**. The first portion of the power load that is selectively powered despite the low vehicle battery voltage may thus be the wireless communications device **44**. In particular, the wireless communications device **44** may be powered for transmission. Accordingly, the back-up battery **54** can be saved for limited communication using the higher voltage wireless communications device **44**. This provides useful features even after an extended period during which the vehicle **21** is left unattended and the vehicle battery **61** gradually discharges.

To further conserve power, the controller **40** may reduce operation of the power load as vehicle battery voltage falls. Conversely, the controller **40** may restore operation of the power load based upon the voltage of the vehicle battery **61** rising again, such as upon being recharged.

Also relating to power consumption, the controller **40** further causes transmission of a low vehicle battery voltage alert to the monitoring station **30** based upon the voltage of the vehicle battery **61** falling below the threshold. The user or subscriber may cause the monitoring station **30** to issue a remote start command. The controller **40** may then generate a remote start output to the remote start device **63** to thereby start the engine and recharge the vehicle battery.

Another feature of the vehicle tracking system **20** is that the vehicle tracking unit **25** may be readily installed and connected to a vehicle **21**, such as in the illustrated embodiment where the vehicle includes a starter interrupt device **66** and a separate vehicle security controller **28**. More particularly, the controller **40** may switch between an armed mode and a disarmed mode based upon operation of the engine starter interrupt device **66**. The controller **40** when in the armed mode may cooperate with the wireless communications device **44** to send an alert message to the monitoring station **30** and including vehicle position information, for example, based upon the vehicle position determining device **42**. The controller **40** is also for selectively operating the engine starter interrupt device **66** to provide additional security features.

In one advantageous embodiment, the controller **40** preferably comprises a combination input and output terminal for connection to the engine starter interrupt device. This terminal is at the input/output circuitry **53** and is schematically illustrated by reference numeral **72**. The controller **40** may switch to the armed mode when in the disarmed mode and based upon the engine starter interrupt device **66** being operated to disable engine starting. Conversely, the controller **40** may switch to the disarmed mode based upon the engine starter interrupt device **66** being operated to enable engine starting. In other words, the vehicle tracking unit **25** can piggyback its arming and disarming off the existing vehicle security system **27**, for example.

The controller **40** may also selectively operate the engine starter interrupt device **66** based upon a command message from the monitoring station **30**. The controller **40** may selectively operate the engine starter interrupt device **66** based upon a command message from the monitoring station **30**. Alternately, or in addition thereto, the controller **40** may selectively operate the engine starter interrupt device **66** based upon the ignition switch **65**.

The following descriptive portions relate to various user or subscriber notifications and features provided by the vehicle tracking system **20**. Of course, the controller **40** preferably cooperates with the wireless communications device **44** to send an alert message. The monitoring station **30** may comprise a user interface, such as one or both of the telephone

network or internet interfaces **33**, **34**, respectively (FIG. **3**), for generating a sequence of alert message notifications based upon receiving the alert message sent from the vehicle tracking unit **25**. More particularly, the monitoring station interface permits canceling any remaining alert message notification based upon a cancellation command response from a user or subscriber having already received the alert message notification. The user may send the cancellation response via the telephone **35** or computer **36** (FIG. **3**), for example. Thus, if the user may be reached at different telephone numbers or different users are desirably notified of the alert, this aspect of the vehicle tracking system **20** can make the notifications efficiently and without making unnecessary notifications.

The vehicle tracking system **20** may provide any of a number of very useful alerts, as discussed herein. For example, the alert message sent from the vehicle tracking unit may comprise at least one of a vehicle stolen alert message, and a vehicle alarm sounding alert message. The alert message may be one of a vehicle speeding alert message, and a vehicle acceleration alert message. In addition, the alert message may comprise an unauthorized remote transmitter alert message. Also, the alert message may be at least one of a low vehicle battery alert message, and a device malfunction alert message.

The speeding alert may be based upon exceeding a speed threshold for greater than a certain time, which may be user selectable. The acceleration alert may also be useful as such is also indicative of aggressive driving along with the speeding alert. The unauthorized remote transmitter alert increases overall security since a user will be notified if a would-be thief learns an unauthorized transmitter to operate the controller. These alerts are described in greater detail below.

The vehicle tracking system **20** may be implemented as a service to a subscriber. In other words, the subscriber pays a monthly fee for the service. Accordingly, it may be important to encourage a user to register. Similar subscriber or registrations systems in the past have suffered revenue losses since some users would wait to activate the system until the vehicle was stolen. In other words, the user would only subscribe or register and pay a single month's fee.

In accordance with this aspect of the vehicle tracking system **20** prompt user registration is encouraged. In particular, the vehicle tracking unit **25** may include the user registration reminder indicator **56** and the controller **40** may be switchable from an unregistered mode to a registered mode. In the registered mode, the controller **40** may cooperate with the wireless communications device **44** and the vehicle position determining device **42** to determine and send vehicle position information to the monitoring station **30**. In the unregistered mode, the controller **40** may activate the user registration reminder indicator **56** to encourage registration by the user.

The controller **40** may be switchable to the registered mode based upon an activation message from the monitoring station **30**. For example, when the registration payment has been received, the monitoring station can send one or more messages to the vehicle tracking unit **25** to stop activation of the registration reminder indicator **56**. The indicator **56** may be audible, visual or both. For example, the registration reminder indicator **56** could be a beeping sound generated by a small piezoelectric transducer every ten minutes or so when the ignition **65** is on.

In other words, the user registration reminder indicator **56** may provide a minor but irritating annoyance to the user to encourage registration. Upon successfully registering, the annoyance is abated. Accordingly, a relatively straightforward approach is provided to encourage user registration.

Along these lines, the controller **40** when in the unregistered mode may have reduced features compared to the registered mode. For example, the controller **40** when in the unregistered mode may be restricted or limited in sending messages with the wireless communications device **44**. Accordingly, usage of the wireless communications network may be reduced. Transmissions from the vehicle tracking unit **25** may also be beneficially suppressed during original installation, for example.

Returning again to features of the vehicle tracking unit **25** which facilitate installation, the controller **40** may send an alarm indication alert responsive to a continuous activation of the alarm indicator **67** for greater than a predetermined time. Alternately, or in addition thereto, the controller **40** may send an alarm indication alert responsive to a repetitive pattern of alarm indicator **67** activations. In other words, the controller may be configured to distinguish between normal operation of a vehicle horn by the driver, and activation of the horn by the security system **27**. As mentioned above, the controller **40** may also monitor signals of at least one of a first and second polarity. The controller **40** thus advantageously piggybacks off the alarm indication generated by the vehicle security system **27** to determine and send a vehicle alarm sounding alert to the monitoring station **30**.

In one variation, the controller **40** may monitor signals delivered directly to the vehicle alarm indicator by the vehicle security controller **28**. In another variation, the controller **40** monitors signals of voltage dips of the vehicle battery **61**. Circuitry is conventionally and readily available for both such functions, as will be readily appreciated by those skilled in the art.

The controller **40** may also include a dual polarity compatible output in the input/output circuitry **53** for a vehicle device, such as the vehicle alarm indicator **67**. The controller **40** may further monitor signals relating to activation of the vehicle alarm indicator **67** and send an alarm indication alert with position information from the vehicle position determining device and using the wireless communication device.

For the dual polarity output compatibility, the controller **40** may generate a first polarity output pulse followed by a second polarity output pulse. The controller **40** may also generate a repeating pattern of a first polarity output pulse followed by a second polarity output pulse on the dual polarity compatible output. In yet other embodiments, the controller **40** may sense an actual polarity of the device and thereafter use the actual polarity for the dual polarity compatible output.

Where the vehicle device is a vehicle horn, the controller **40** may typically be configured to generate a negative polarity output on the dual polarity compatible output. Conversely, wherein the vehicle device is a vehicle alarm indicator siren, the controller **40** may be configured to generate a positive polarity output on the dual polarity compatible output.

Another aspect of the vehicle tracking system **20** relates to conserving memory space and/or reducing transmission time over the communications network. In accordance with this advantageous feature, the controller **40** may determine the vehicle position information including a vehicle location and an associated stationary period for each occurrence of the vehicle remaining stationary for greater than a predetermined period. In one embodiment, the controller **40** may cooperate with the wireless transmission device **44** to send the vehicle position information to the monitoring station based upon each occurrence of the vehicle remaining stationary for greater than the predetermined period. In this embodiment, the monitoring station **30** may associate a time with each occurrence of the vehicle remaining stationary for greater

than the predetermined period. In other words, the monitoring station **30** may time stamp the received information.

In another embodiment, the controller **40** cooperates with the wireless transmission device **44** to send the vehicle position information to the monitoring station **30** for a plurality of occurrences of the vehicle remaining stationary for greater than the predetermined period. In this embodiment, the controller **40** may associate a time with each occurrence of the vehicle remaining stationary for greater than the predetermined period. In other words, the controller time stamps the position and stationary period information.

As an example, the predetermined time which determines whether the vehicle **21** is stationary and the position should be determined, may be less than about three minutes. This time may filter out vehicle stops in normal traffic, but which will keep track of stops where the driver likely leaves the vehicle **21**. Accordingly, only the important information necessary to track the vehicle need be stored and/or transmitted thereby reducing the system costs. If the vehicle **21** is stationary overnight, for example, unnecessary position information need not be determined, stored, and/or transmitted to the monitoring station **30**.

The controller **40** may comprise the memory **52** for storing the vehicle position information therein. In one configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined schedule. In another configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined event. In yet another configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined percentage of memory usage.

Having now described certain general features and advantages of the vehicle tracking system **20**, this description now turns to additional specific details which are provided as examples. In particular, vehicle tracking system **20** preferably implements one or more of the following features:

a. Detects the vehicle being stolen and transmits a signal to the monitoring station to contact up to 3 people, for example, predetermined by the user, of theft of the vehicle and then starts tracking the vehicle. The contact may be by one or more of the following: an e-mail message, a pager alert, a cellular telephone call, or other telephone call.

b. Detects an optional vehicle security or alarm system activation and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them the vehicle's alarm is being activated.

c. Detects an optional vehicle alarm system's remote PANIC activation and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of the vehicle's PANIC being activated.

d. Detects a vehicle being programmed to operate from an unauthorized remote transmitter, key transponder, other transponder, or other device that has a unique coding, and the vehicle unit transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of this occurrence. The system can also make available information relating to a number of such coded devices, or a change therein, or when a change occurred. A message can be sent to the user or the information can be available to the user on the website. The vehicle would be equipped with a security system as disclosed in U.S. Pat. No. 5,654,688, for example, which determines an unauthorized transmitter and provides an alert feature. This patent is incorporated herein in its entirety by reference.

e. Detects the vehicle traveling over a predetermined speed, such as for a predetermined time, and transmits a signal to the monitoring station to send a message, such as an e-mail informing the user (and/or others) of this occurrence. Of course, the message could also be sent via a telephone call or page, should additional urgency be required. The vehicle's predetermined maximum speed limit and duration thereof can be selected by the user.

f. Detects a low battery voltage such as for a predetermined time and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of vehicle's low battery voltage. This is especially advantageous during winter so that the vehicle could be started, for example, to prevent a problem before it happens. The time setting is preferably selectable by the user.

g. Detects the vehicle not moving for a predetermined time and transmits a signal to the monitoring station to send, for example, a nightly e-mail informing the user of all the vehicle's location and stationary time occurrences. The stationary time length is also selectable. This may be advantageous to encourage patrolling personnel not to remain for a long time in a same location.

h. The vehicle unit preferably includes a back-up battery system making it more reliable.

The vehicle unit may be relatively inexpensive. In addition, the monitoring fee that includes sending up to 60 e-mails and making up to 6 phone calls per month, may also be relatively low. The relatively low monitoring fee is based, at least in part, on the current relatively low rates charged for use of the control channel of the cellular telephone network. It is also noted that access to the control channel provides coverage for almost the entire U.S., for example.

The user or subscriber also preferably has access to an Internet site that will display a map and silently contact the vehicle to acquire its current location, speed, direction of travel, and previous multiple locations with speeds, for example, the user's personal identification number (PIN) can be quickly activated by a telephone call. No additional installation may be required.

Certain annual pre-pay package arrangements may be available. For example, up to 10 access entries per month can be provided on a low monthly billing. Up to 30 access entries could be provided also for a relatively low monthly fee.

The present invention provides a number of other significant advantages including optional access from any phone or from any computer to access the monitoring station internet site. The user may control various vehicle functions remotely via the telephone or the internet site. The only charge may be for additional equipment and installation.

Additional features can also be included with the system and subscribed to by the user in accordance with the invention. For example, these include Hijack, Car Finding, Unlock Doors and Unauthorized Transmitter Alert Features. The equipment and installation is relatively inexpensive. For the hijack feature: from any phone or computer, the user may activate vehicle starter interrupt and sound the horn until the vehicle is retrieved (Command 4).

For the Car Finding feature: from any phone or computer, the user may activate the vehicle's horn, or siren and sound same for 30 seconds. This allows the user to find his vehicle in a crowded parking lot (Command 5).

For the Lock/Unlock vehicle doors feature: from any phone or computer a predetermined command (Command 7)

activates unlocking of vehicle doors to retrieve keys, for example, that may have been accidentally locked inside the vehicle. Of course, the system can also be used to lock vehicle doors if this was forgotten (Command 6). The unauthorized transmitter alert feature is similarly selected as described above.

In addition, a remote vehicle start feature may also be provided, such as to start the vehicle's engine to heat or cool the vehicle prior to entry. The equipment and installation for remote starting may be relatively low. Some further details of a specific embodiment of the vehicle tracking unit **25** are provided below as relating to use of red and green LED indicators as may be coupled to the controller **40** and operated thereby. Also various representative wires, designated by color, are provided as an example embodiment.

The red LED verifies the GPS receiving signal. With a yellow wire having positive 12 volts, the red LED blinking indicates searching GPS location, constant indicates found location, and off indicates no GPS signal found. With the yellow wire not having positive 12 volts, if the red LED is off, the LED is not functioning.

The green LED verifies receiving the cell tower signal. With the yellow wire having positive 12 volts, blinking indicates the cell control channel signal is detected, constant indicates sending a micro burst signal (LED stays on 5 seconds after each transmission), and off indicates no cell tower signal received. With the yellow wire not having positive 12 volts, off indicates the green LED is not functioning.

An example of representative DIP switch feature selection is as follows. A first switch may be used for adding the orange wire for controlling arm/disarming of the system. When on, the orange wire controls arm/disarm as follows: to arm, the orange wire is grounded and the yellow wire does not have 12 volts positive. To disarm, the orange wire is not grounded. When the first switch is off, then only the yellow wire controls arm/disarm as follows: to arm, the yellow wire is without 12 volts positive, and 30 seconds after continued arm mode then the orange wire activates a constant 500 ma grounded output to operate an external starter interrupt relay until the system is disarmed. To disarm, the yellow wire is connected to 12 volts positive.

A main 5-pin plug may be provided on the vehicle unit and connected as follows:

a. The Red Wire is connected to the 12 vdc power. An alert warning "E" is given if the system is armed and the battery voltage becomes lower than 11 volts for longer than ## minutes. This alert feature "E" will not operate again until the voltage is above 12 volts to re-set this feature.

b. The black wire is connected to ground.

c. The yellow wire is connected to the ignition 12 volts so that if the key is on, 12 volts is supplied thereto and if the key is off, the yellow wire is connected to ground. Further: if the system is in an armed mode and the Lat/Long changes, then Alert "A" is given. If the system is disarmed and within 2.5 seconds after the yellow wire receives 12 volts and the gray wire detects 3 or more positive pulses the system activates Alert "D". If the first DIP switch is in the off position then: if 12 volts is on yellow wire, the system is disarmed and the orange wire discontinues from the 500 ma ground, and if the yellow wire sees ground or neutral, then the system is armed and 30 seconds after the continued arm mode the orange wire activates a constant 500 ma grounded output to operate an external starter interrupt relay until the system is disarmed.

d. The gray wire is for input and output, and can be connected to an alarm siren or horn positive terminal. In addition:

i. With the system armed and if the gray wire detects +12 v pulsing on/off or on constant for more than 10 seconds from an alarm siren or horn honking activation, then alert warning "I" alarm activation is given.

ii. With system disarmed and if the gray wire detects +12 v pulsing on/off or on constant for more than 10 seconds from an alarm siren or horn honking activation, then alert warning "C" panic activation is given.

iii. With system disarmed and if the Gray wire detects 3 or more 12 volt positive pulses within 2.5 seconds of yellow wire receiving +12 v and the gray wire by-pass not being activated, then alert warning "D" is given.

iv. The gray wire bypass operates as follows:

1. After alert warning "B" bypass all future alert "B" signals until system is disarmed.

2. After alert warning "C" bypass all future alert "C" signals until system is armed.

3. After alert warning "D" bypass all future alert "D" signals until no 12 volt pulses are detected on the gray wire within 3 seconds of the yellow wire having 12 volts.

v. With the system armed or disarmed. The Output: Internal +12 v, 1 amp transistor with pulses 1 second on and 1 seconds off to activate siren or honk car horn or flashing light relay.

1. Non-stop activation from (Command "4")

2. 30-second activation from (Command "5")

vi. Turn off the above alert "A" from (Command "1").

i. The orange wire is for the starter interrupt and arm/disarm system, and operates as follows:

i. If first DIP switch is in the:

1. On position and: the orange wire has 12 volts or neutral, the system switches to the disarmed mode; the orange wire is grounded, then the system is switched to the armed mode; and the starter interrupt output will not automatically operate. It can only be activated from "Command 4"

2. Off position and the orange wire does not effect the arming or disarming of the system; 30 seconds after system arms the orange wire will automatically activate constant 500 ma ground until the system is disarmed. And from "command #4". Connect to Starter interrupt relay output.

ii. Command 4 activates Orange wire to have 500 ma. negative until Command 1 is received.

iii. After alert warning "B" is activated the first time it is thereafter bypassed while the orange wire remains grounded. Alert warning "B" is re-set to operate again 3 seconds after orange wire becomes ungrounded.

The vehicle unit may also include a Door Lock Plug configured as follows, for example. A green wire provides a 250 ma, negative 1 second pulse for Lock Doors. (Command "6"). A red wire provides a constant 12 v output from the red power wire. A blue wire provides a 250 ma., negative 1 second pulse for Unlock Doors (Command "7"). A pink wire provides a 250 ma., negative 1 second pulse for remote Car Starter (Command "2").

An installation test button may also be provided to work as follows. Pressing the button activates the orange wire for 10-seconds (starter interrupt), with these circuits in sequence. First, it activates the gray wire for 1-second (siren/horn). After the first stops, it activates the green wire for 1 second to lock the doors. After the second stops, it activates the blue

wire for 1 second to unlock the doors. After the third stops, it activates the pink wire for 1 second to activate an optional item.

Representative warning alerts are as follows:

a. Alert Warning "A" (FIG. **4**): Automatic activation of "Command 8" and the vehicle unit contacts monitoring station to instantly call 3 phone numbers with the message "Your vehicle is stolen please confirm then call 911 to advise police of website and your pin # so police can locate the vehicle". This is detected with the system armed and the GPS indicating movement. Bypasses all future alert warning "A" signals until the system is re-armed.

b. Alert Warning "B" (FIGS. **5A-5C**): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the following message "Vehicle alarm activated please confirm". This is with the system armed and detecting gray wire having 12 volts pulsing or on constant for longer than 10-seconds. After alert warning "B" is activated the first time, it is thereafter bypassed while the orange wire remains grounded. Alert warning "B" is re-set to operate again 3 seconds after orange wire becomes ungrounded.

c. Alert Warning "C" (FIG. **6**): the vehicle unit contacts the monitoring station to instantly send e-mail message "vehicle was traveling faster than your preset amount of "###" and time limit of "##" seconds. Indicates the vehicle speed and location that the speeding started and how long speeding accrued" (Detected from GPS). This aspect is further understood with reference to the enclosed flowchart **84** of FIG. **6**.

d. Alert Warning "D" (FIG. **7**): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the message "Unauthorized remote transmitter was just programmed to operate your vehicle." This is with the system disarmed and the Gray wire detecting three or more 12 volt pulses within 2.5 seconds of the yellow wire having seen 12 volts positive. All future alerts "D" are bypassed until no 12 volt pulses are detected on the gray wire within 3 seconds of the yellow wire seeing 12 volts. This aspect is further understood with reference to the enclosed flowchart **85** of FIG. **7**.

e. Alert Warning "E" (FIG. **8**): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the message "Vehicle has low battery voltage and system has changed to low voltage mode". This is with the system armed and detecting the red wire with lower than 11 volts for ## minutes. All future alerts "E" are bypassed until, first, more than 13.5 volts are detected on the red wire and, second, after the yellow wire stops having positive voltage the red wire then must detect more than 12 volts.

The following are representative commands for use in the system:

Command 1: Reset all circuits and system remains asleep until the ignition key is turned on. Resets the triggered mode and unit is asleep to prevent power drain on vehicle battery.

Command 2: (Accessory activation) monitoring station Command to the system to activate Pink wire to pulse 250 ma negative for 1 second.

Command 3: (Vehicle Location) website to indicate present location and past events in memory.

Command 4: (Hijack or Stolen) monitoring station Command to vehicle system to activate:

iv. Gray wire to pulse 1 sec on/1 sec off with 1 amp positive output and which continues until receive command # 1.

v. Orange wire to have 500 ma ground and which continues until receive command # 1.

Command 5: (Car Find) monitoring station Command to system activating Gray wire for 30 seconds pulsing 1 sec on/1 sec off with 1 amp positive output.

Command 6: (Lock Doors) monitoring station Command to system activating Green wire to pulse 1 second with 250 ma negative.

Command 7: (Unlock Doors) monitoring station Command to system to activate Blue wire to pulse 1 second with 250 ma negative.

Command 8: (Start Constant Vehicle Tracking) sends previous 2 events in memory and then every 120 seconds get update of location information sent to the Web site.

The system is also operable in a battery saver mode which operates as follows:

i. With the ignition key off, if the battery voltage drops below 11.5 volts for more than 5 seconds, the GPS verification wakes up to look:

ii. Once instantly.

iii. Once in 1 hour if at the same location.

iv. Once in 6 hours if at the same location.

v. Once in 12 hours if at the same location.

vi. Once every 24 hours if at the same location.

vii. Activate alert "E" when the battery saver mode is activated, and bypass sending all future Alert "E" until the battery voltage goes above 13 volts for 10 minutes to reset this feature.

Another aspect of the invention relates to automatic vehicle alert e-mails sent containing some or all of the previous system events. This sending can be triggered as follows:

a. At a user selected predetermined time ## (01-24) of each day, or

b. At a predetermined memory fill level, such as full or near full.

In addition, each system event may contain one or more of the following:

a. Vehicle Location

b. Vehicle total time at location

c. Time of day

d. Mph traveling

e. Total time traveling above MPH

f. Direction traveling

g. Delta

h. Special Alert messages, if any, including:

i. GPS signal not received for longer than 5 minutes.

ii) Traveling above ###MPH for ## minutes.

iii) Vehicle is stolen.

iv) Alarm activated.

v) Unauthorized remote transmitter alert.

vi) Battery saver mode activated

vii) Command 1: Reset all circuits and system remains asleep until the ignition key is turned on.

viii) Command 2: (Accessory activation)

ix) Command 3: (Vehicle Location was retrieved)

x) Command 4: (Hijack or Stolen mode activated)

xi) Command 5: (Car Find mode activated)

xii) Command 6: (Locked Doors)

xiii) Command 7: (Unlocked Doors)

xiv) Command 8: (Started 2-second incremental Vehicle Tracking)

Another feature of the invention relates to the selectable threshold conditions causing an event to be recorded into the memory of the vehicle unit. For example, this may include: while the yellow wire has 12 volts, record events every "?" default 15 minutes time if the GPS location has changed. If the GPS location is the same then only update stationary total

time. If the GPS antenna is not receiving any signal then enter last known GPS location and with an indication that this was the last known GPS location before the GPS signal stopped, how long no GPS signal was received, and the GPS location in the on-hold file, when the vehicle is traveling above ### MPH for ##-minutes.

The monitoring station may also provide a number of automated phone calls as described above. These may include:

The user's vehicle has issued a stolen alert:

If vehicle is stolen, after receiving the phone message the user then calls 911 to advise police of the theft, and gives the police the website address and an identification number, such as the user's PIN, to allow the police to locate where your vehicle has been, where it is now and keep tracking it until the police can retrieve the vehicle.

If this is a false alert due to vehicle being towed away for service, for example, then the user may press "1" to put the vehicle in an off mode. Once the ignition key is turned on again the system will reset back to its normal operation mode.

The user's vehicle has issued an alarm activated for more than 10 seconds alert. The system will not respond to this alert again until ignition key is turned on again to reset this feature.

The vehicle battery voltage is low or has been disconnected. The tracking system is in low voltage mode. The system will not respond to this alert again until the battery voltage goes above 13 volts for 10 minutes to reset this feature.

The backup battery may be sized according to the GPS receiver and processing power draw. In addition, the battery may also be sized based upon estimated micro burst transmitting power draw. Such transmissions are typically at about 3 watts power to the antenna.

The system according to the invention including the vehicle unit and monitoring station provides a number of significant advantages and features. For example, the police may be directly contacted by the user when the vehicle is stolen. The user receives the telephone message from the monitoring station, and this is done without requiring the intervention of a manual security monitoring operator, such as an ADT operator, for example. In addition, once in the stolen mode, the vehicle unit will periodically continue to send out its location, so that the police may track the vehicle via the WEB, for example. This location sending feature may begin immediately, that is, without requiring the user to contact the vehicle to begin tracking. Having the vehicle contacting the monitoring station is considerably less expensive than other schemes where the vehicle is periodically polled via the cellular network, for example.

The system may also be interfaced to a breath alcohol sensor at the vehicle, for example, and this information recorded in memory. The information could be passed along to the monitoring station, which, in turn, could send out a notification message (e-mail or telephone) that the vehicle is being operated by a driver who may be impaired by alcohol. The vehicle's location could then be tracked to permit the police to detain the driver.

Another aspect of the unit is that it may be able to recognize the desirability to bypass certain security breach triggers or other events. For example, a car finding feature can be provided that will allow the user to sound the horn or siren when near the vehicle to help locate the vehicle, as in a crowded parking area. Without the bypass feature, the unit could recognize the horn or siren as a security breach and transmit such information to the monitoring center. In accordance with this aspect of the invention, the unit would recognize the car finding feature was activated and thereby bypass sending a security breach transmission, for example. Again, false alarms and unneeded usage and expense of the communications infrastructure would be avoided.

Yet another aspect of the invention relates to thwarting a would-be thief who attempts to disable the alarm by cutting the battery cable or power supplied to the system. The unit preferably includes a back-up battery. More particularly, upon being in an armed mode and sensing a breach of security, such as the hood opening, for example, the unit will send out a signal indicating the alarm or security breach and while the alarm is indicated, if the battery is disconnected then the unit will send out a message indicating the vehicle is stolen, and also providing the vehicle's current position. Accordingly, the would-be thief is not able to defeat the security system by quickly disrupting power to the unit during an alarm indication or security breach. Also, to prevent additional alerts, this message is prevented from being transmitted again until the user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts, indicating the vehicle has started using the owner's ignition key. This aspect is further understood with reference to the enclosed flowchart **80** (FIG. **4**).

Still another aspect of the invention relates to how the unit can discriminate between ordinary usage or honking of the horn as compared to a security system triggered alarm. Most vehicle security systems will provide a pattern of horn soundings as an alarm indication, and this can be determined and used to reduce false alarm transmissions from the unit. For example, the unit can look at the number of leading and trailing edges of the power pulse used to sound the horn. A single pressing of the horn switch by the user will cause two edges within a predetermined time, such as about 10 to 12 seconds. Accordingly, the unit can be configured to not send a security breach transmission to the control center based upon detecting two transitions. Since a number of vehicle security systems may have a continuous sounding of the horn within the predetermined time, the unit can send the transmission upon detecting only a single transition.

A number of other vehicle security systems provide a series of pulses or horn soundings within the predetermined time. Accordingly, the unit may also be configured to send a security breach transmission upon detecting greater than a predetermined number of transitions, such as greater than nine, for example. This number is also typically higher than a user would generate honking the horn several times within the predetermined time. In other terms, the number of transitions of the horn pulses can be counted, and if equal to one, or greater than nine, for example, the transmission is triggered, and otherwise the sounding of the horn is ignored. Also, to prevent additional alerts, this message is prevented from being transmitted again until the user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts, indicating the vehicle has started using the owner's ignition key. This aspect is further understood with reference to the enclosed flowcharts **81-83** (FIGS. **5A-5C**).

Yet another feature of the invention relates to a low vehicle battery alert. For example, the unit may monitor the battery voltage over a predetermined time such as ten minutes. The ten minute window prevents false tripping, for example, when the voltage dips during engine cranking. In particular, the voltage can be sensed and it can be determined whether it is greater than zero (e.g. greater than six volts) and less than a high value (e.g. eleven or twelve volts), and, if so, a low battery voltage transmission can be communicated to the monitoring station, and ultimately to the vehicle user when away from the vehicle. If the vehicle is being serviced and the battery is disconnected, this will cause the battery voltage to

be equal to zero. Then, the low battery voltage transmission will not be communicated to the monitoring station. Also, to prevent additional alerts, this message is prevented from being transmitted again until the user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts, indicating the vehicle has started using the owner's ignition key. Again, false triggerings are reduced. This aspect is further understood with reference to the enclosed flowchart **86** (FIG. **8**).

Yet another advantageous feature of some embodiments of the invention relates to the ability to conserve electrical power. More particularly, when the vehicle is stopped and in the armed mode, the GPS receiver may be periodically operated to determine the vehicle position. If the vehicle position changes, this is indicative that the vehicle is being moved or stolen. For example, the GPS receiver may be operated to generate new vehicle position information every 20 seconds. These relatively quick successive position determinations or readings are generally termed hot start. These are relatively less complicated than a cold start position determination which takes longer, since the cold start position determination requires greater time to acquire and receive data from multiple satellites, as will be appreciated by those skilled in the art.

Unfortunately, this relatively high repeated usage of the GPS receiver may cause unnecessary battery drain, especially when the vehicle is left armed and unattended by the user for an extended period. Accordingly, the power conserving feature of the invention permits the GPS receiver to be turned off when the vehicle is in the armed mode, and the GPS receiver is turned on only when needed. For example, a vehicle sensor, such as a shock sensor, motion sensor, ignition sensor, door sensor, or other sensor, or combinations thereof could be used to start the GPS receiver. This sensor could also be used to trigger an alarm if desired; however it need not be so used in all embodiments. The GPS receiver, once turned on, could operate in the normal periodic fashion as described above, or for a fixed period of time. The GPS receiver could also be turned off again after some predetermined time if no further sensor signal is received, or if the position fails to change on subsequent position readings or determinations.

Yet another feature relates to permitting more colorful audible alert messages to be generated for the user. The user can, in some embodiments, access an internet site to type or enter the text for a message to be sent, such as to alert the user that his vehicle is being stolen. The audible message then communicated by a telephone call to the user is generated by a speech message synthesizer based upon the entered text. In accordance with this aspect of the invention, the user could type in phonetically spelled words or phrases, such as to create more colorful messages including slang terms, various accents, and/or to mimic various dialects, for example. The speech synthesizer would then generate the desired message customized for the user. Of course, the system could also permit the user to test or preview the pronunciation generated by the speech message synthesizer based on the entered text message prior to its adoption.

Another aspect relates to requesting GPS position information from a vehicle. If a command is sent downstream to the vehicle requesting that GPS information in turn be sent upstream from the vehicle, and the GPS information is not received within a predetermined time, such as about four minutes, then another command may be sent to the vehicle requesting the GPS information. This may keep repeating until GPS information is received, for a predetermined number of tries, or until a user instructs stopping of the requests. This helps to ensure and confirm the activation and reception of GPS tracking coordinates from the vehicle.

Yet another aspect relates to reducing a frequency with which GPS information is sent from the vehicle. More particularly, the unit may be configured to activate GPS information transmission upstream every 2 minutes. To reduce system usage expense and power consumption at the vehicle, this rate of transmission of GPS information could be progressively decreased over time. For example, in one embodiment, upon activation the GPS location signals could be sent every 2 minutes during the first hour, then once an hour for the next 23 hours, after which only one signal would be sent per day.

Turning now to the flowchart **87** of FIG. **9**, still another aspect relates to warning the user of an inoperable or malfunctioning GPS or cellular telephone section. More particularly, if the GPS or cellular telephone antenna wire is cut or the mounting position of either is changed causing the antenna to stop receiving the signal the user would not ordinarily know of this problem quickly. In accordance with one embodiment, if the ignition is turned on a predetermined number of times, such as about three, and each time ignition turns on if no GPS or no cell signal is received for a minimum time, such as about 15 to 30 minutes or longer, an audible warning beeper may be activated in the vehicle. This beeper may be sounded once every 15-minutes. At anytime if the GPS or cell signal is received properly then the system re-sets automatically stopping the beeper sound.

As an example, if the ignition key is turned on and no GPS or no Cell signal is being received for 15-minutes, and the vehicle ignition stays on for 45-minutes and there is still no GPS or no cell signal, the unit counts one. Thereafter, if the ignition key is turned on and no GPS or no cell signal is being received for 15-minutes, and the vehicle ignition stays on for 60-minutes and there is still no GPS or no cell signal, a second count is determined. Thereafter, if the ignition is turned on and no GPS or no cell signal is received for 10-minutes, and the vehicle ignition stays on for only 10-minutes and there is still no GPS or no cell signal, no count is determined. Thereafter, if the ignition is turned on and no GPS or no cell signal is being received for 15-minutes, a third count is determined and the beeper is activated as described above. This beeping may continue every 15-minutes while the vehicle ignition stays on as long as the vehicle ignition stays on for 16-minutes and still no GPS or no Cell signal is being received. If thereafter, the ignition is turned on and no GPS or no cell signal is being received, the beeper beeps once and again beeps once every 15-minutes while vehicle ignition stays on. If in 10-minutes both GPS or cell signal is being received, the beeper system is turned off and the warning count is reset.

By way of example, if the ignition key is turned on and no GPS or no cell signal is being received for only 5, 10 or 12 minutes (with the threshold set at 15 minutes), then no count is determined.

In certain circumstances, the GPS signal may fail, but the cell signal may still be working. Accordingly, it may be desirable to send an indication of the failure of the GPS signal to the central monitoring station to thereby alert the user as described above. If the cell signal also failed, or if the cell signal failed by itself, in other embodiments a separate paging device would transmit the failure or loss of the cell signal information to the central monitoring station, to thereby alert the user.

Yet another feature is directed to efficient use of a relatively small number of codes available to communicate with the tracking unit from the cellular network and central station.

More particularly, a typical arrangement may provide eight basic codes and two Awildcard@ codes. The two wildcard codes are reserved for future or other uses. A particular tracking device will respond directly to any of the eight basic codes. For example, the doors could be locked or unlocked, a present location downloaded from the vehicle, etc.

In accordance with this feature, the tracking device may respond differently to the same code or command depending upon the state or condition of the tracking device. For example, if an alarm is triggered at the vehicle, it may be desired that the tracking device continue to send the alarm signal until confirmation is received that the central monitoring station has received the alarm signal. This confirmation can be sent using the same code as may provide another function if the device were not indicating an alarm. Any of a number of such tracking device conditions may trigger a different message to be interpreted from the received code. For example, if any of the above Alerts A-E were triggered, the receipt of a predetermined code, such as code eight, would confirm receipt of the alert by the central station, and this receipt of code eight would not cause the other response (no alarm triggered) in the tracking device. Of course this concept can be extended to other features as will be appreciated by those skilled in the art.

In accordance with another feature, the rate of sending the location or position data (or change in position data) from the vehicle may be varied to reduce system usage and thereby reduce expenses. More particularly, in one embodiment, the rate of sending may be based upon how long the vehicle has remained stationary. This time period may be selected by the user. For example, the selected time may be in the range of 15 minutes to six hours. If the vehicle has been stationary for the selected time period, then the rate of transmission may be reduced. This reduces or eliminates the need to send home position data and send all the over 15-minute stops made that day. Otherwise, that is when the vehicle is moving, the device may send data at a faster rate. Of course, a system user would not likely be interested in quick updates, especially where the position information is not changing. Conversely, if the vehicle is being moved, it may be desirable to receive more frequent position updates.

Another variation of this transmission rate conservation feature bases the rate of transmission on the vehicle position. For example, a reduced rate of transmission may be selected if the vehicle is in a predetermined area where the user has a lesser interest in quickly updated position information. The user may also have a reduced interest in an area that can be defined outside of a predetermined distance from a reference point.

Yet another variation of the vehicle position transmission rate conservation feature is based upon the vehicle's speed, such as the vehicle's average or maximum speed, for example. Accordingly, if the vehicle is traveling above a preset speed, the rate of transmission may be increased.

In accordance with another aspect of the invention, the tracking device may send the alert indication a predetermined number of times without receiving an acknowledgment as described above, and then wait until the vehicle position has changed before trying again or the cell re-registers or its RSS (received signal strength) changes. Thus, power is conserved. When the vehicle has moved to a new position, any obstructions may no longer be present thereby increasing the likelihood of a successful communication. In addition, the change in position may be determined when the vehicle is sensed to be moving about a predetermined relatively small speed, such as greater than 1 mph, for example.

In all of the embodiments and variations described herein, the tracking device may communicate with one or more other vehicle devices via a vehicle data communications bus. Further aspects of interfacing with a vehicle data communications bus are described in U.S. Pat. Nos. 5,719,551 and 6,011,460 assigned to the assignee of the present invention, the entire contents of which are incorporated herein by reference.

Yet another aspect relates to efficient use of available codes on the cellular telephone control channel. In one particular example, ten codes may be available to be transmitted from the monitoring station to the vehicle trackers. The first eight or nine codes are command codes that will cause a specific action by the tracking device at the vehicle. The other one or two codes may be wildcard codes as mentioned above, that may set a stand-by mode for one or a group of vehicles, for example.

It may be desirable to provide more than eight commands at the vehicle responsive to the corresponding eight available codes. For example, it may be desirable to set a feature on or off, or to set a different feature setting or threshold. In accordance with this aspect of the invention, the commands at the tracker are determined based upon a series of different command codes being received within a predetermined time window.

For example, the monitoring station may send code 9 that switches the tracker in the car into a stand-by mode for a predetermined time and which causes the tracker to respond with an upstream confirmation code 7 or 9 indicating receiving code 9. During the predetermined time of the stand-by mode another code follows that causes a system programmable feature or setting to change. Note that the second code would otherwise cause a different function at the vehicle. Note that system might operate a function 9 if another code 1-9 is not received in the predetermined time. The following list is exemplary for features resulting from second codes 1-9:

Code 1—Tracker will turn off feature of upstream code caused by vehicle alert being detected.

Code 2—Tracker will turn on feature of upstream code caused by vehicle alert being detected.

Code 3—Tracker deactivates cell receiver from operating due to a non-paying customer for monitoring service. That phone number can then be allocated to another customer.

Code 4—Turn on audio buzzer feature that will sound once each 10 minutes. The monitoring station need only send the command to activate the feature, as the tracker will time the period and drive the buzzer thereafter. The monitoring station will normally not need to send this command because the tracker will be configured out of the box with this feature activated to sound the buzzer every 10 minutes until the next command is received.

Code 5—Turn off the audio buzzer. This is to be sent by the monitoring station after a user has successfully activated his account.

Code 6—Turn on the 80 mph speed limit reporting. This will normally not be sent as this feature will be the default setting of the tracker.

Code 7—a Turn off the 80 mph speed limit reporting.

Code 8—Increase speed limit 5 mph and increase the time 5 minutes.

Code 9—Decrease speed limit 5 mph and decrease the time 5 minutes, and wait 5 minutes if another code number follows. It could operate this way to allow another set of codes to change more features.

In this example, in response to the tracker receiving the system code 1-9, the tracker sends an upstream code 7 to acknowledge receipt of the system code 1-9. Upon receipt of code 9 the tracker waits up to 5 minutes to determine if

another system code is received. If no code is received, then the tracker performs the code 9 operation. Of course, in other embodiments other features or settings can be selected. In general, it may be preferred that the first code sent in a series of two codes, for example, be a code that causes only a minor function to be performed at the vehicle. This is so because if the second code is sent from the monitoring station, but not received at the tracker, only a minor function is performed. For example, the first code may switch between armed and disarmed modes. This is in contrast to using a remote engine starting code or engine shutdown code as the first code. The vehicle may be moving or positioned in a marginal reception area, and the second command may not be received by the tracker within the predetermined time window. As will be appreciated by those skilled in the art, this concept of multiple digit codes, can be extended beyond two digits to three or more.

To further conserve cellular transmissions and as described above, the tracker may be set to record a position based upon a determined event. Only this recorded position information may be downloaded either by user request or at set times. It is desired that such events be relatively few, but that the information still be helpful to the user.

For example, an event for recording of position may be determined based upon the vehicle being stopped for greater than a first time and less than a second time. For example, the first time may be 15 minutes and the second time may be 6 hours. Determination of the vehicle being stopped can be made based upon one or both of the GPS position or the vehicle ignition being turned off. The second time prevents the recording of position information when the vehicle is stopped at the owner's home during the evening, for example. Accordingly, the important information of the vehicle stops being made is recorded and made available to the user, while system communications resources are conserved.

In another example, if the mode is selected to send the vehicle's location every 10 min and the vehicle is in the same location for greater than a set time, then no more vehicle locations are sent until the vehicle location has changed to start the every 10 min reporting again.

Now referring to FIGS. **10** and **11**, in yet another embodiment the potential difficulties of interfacing to a vehicle data bus and devices connected thereto are further discussed. The multi-vehicle compatible tracking unit **110** is for a vehicle comprising a vehicle data bus **122** extending throughout the vehicle. The multi-vehicle compatible tracking unit **110** includes a vehicle position determining device **112**, a wireless communications device **113**, and a multi-vehicle compatible controller **111** for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The vehicle position determining device **112** may be provided by a GPS receiver, for example, or any of the other such devices described in detail above.

The wireless communications device **113** may be provided by a cellular telephone transceiver configured to operate on a control channel of the cellular network, or any of the other such devices described in detail above.

The multi-vehicle compatible controller **111** is coupled to the vehicle data bus **122** for communication therewith with a vehicle device **121**. The controller **111** illustratively includes a central processing unit (CPU) **126** or other logic circuitry which is connected to a clock signal generator **124**, a memory **125**, and input/output circuitry **127** to interface with the vehicle device **121** using at least one corresponding vehicle device code from among a plurality thereof for different vehicles. The corresponding vehicle code may be for reading from the vehicle device **121**. Similarly, the corresponding vehicle code may be additionally or alternatively for writing to the vehicle device **121**.

The multi-vehicle compatible tracking unit **110** also illustratively includes a downloading interface **116** for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller **111**. The enabling data may be the vehicle device code or codes, an instruction to select a code or codes from among those already stored, or the data or sequence to allow the controller **111** to generate the vehicle device code or codes, for example.

In the embodiment as shown in FIG. **11**, the downloading interface **116** is a category of wireless signal downloading interfaces that illustratively include a wireless receiver **114**, such as for temporary connection to the downloading device **115**. The wireless downloading interface **116** may communicate with the downloading device **115** via any one or more of a number of wireless technologies, such as cellular, satellite, IR, Bluetooth or WiFi technologies for example, as will also be appreciated by those skilled in the art. Interface circuitry **132** is included in the wireless signal downloading interface **116** for controlling communication with the downloading device **115**. The interface circuitry **132** may be logic circuitry or other control circuitry along with switching components.

In other embodiments, for example as shown in FIG. **12**, the wireless downloading interface **116'** does not include the wireless receiver **114**, as a temporary wireless communication link is instead provided by sharing the wireless communications device **113** that sends position data as described above.

The downloading interface may also be in the form of a wired signal downloading interface **116"** as shown in FIG. **13**. The wired signal downloading interface **116"** comprises a connector **133***a* for temporary connection to a downloading device **115"** with a mating connector **133***b*. Interface circuitry **132"** is provided for controlling communication with the downloading device **115"**. The wired downloading interface **116"** may connect directly to a downloading device **115"**, such as a laptop computer, via RS232/429 protocol, USB, FireWire, TCP/IP (Internet), or any other wired protocol as will be appreciated by those skilled in the art. The connector **133***a* of the wired downloading interface **116"** may alternatively be in the form of a socket to accept a memory card or other data storage medium capable of transferring data. The downloading interfaces **116**, **116'** and **116"**, may also advantageously be for permitting downloading of programming instructions for the multi-vehicle compatible controller **111**, to allow remote programming, for example, as will also be appreciated by those skilled in the art.

Referring again briefly to FIG. **10**, the multi-vehicle compatible tracking unit **110** further comprises a remote transmitter **117**, such as typically in the form of a small handheld device to be carried by a user when away from the vehicle. The multi-vehicle compatible controller **111** also performs at least one vehicle remote control function responsive to the remote transmitter **117**. The remote transmitter **117** illustratively communicates with the remote receiver **118**, which is coupled to the multi-vehicle compatible controller **111**. The vehicle remote control functions may include a vehicle security function, a remote keyless entry function, and a remote engine starting function, for example, implemented via the data bus **122** using one or more vehicle devices **121**. Such a vehicle device **121** may also include another vehicle controller, as well as a sensor, or actuator as will be appreciated by those skilled in the art.

The multi-vehicle compatible tracking unit **110** illustratively includes a common housing **123** for its various components. In other embodiments, more than one housing may be used for the various components.

Referring additionally to FIGS. **14** and **15**, several methods for using a multi-vehicle compatible tracking unit **110** for a vehicle comprising a vehicle data bus **122** extending throughout the vehicle are described with reference to the respective flowcharts **148**, **148'**. Beginning at Block **150**, the multi-vehicle compatible tracking unit **110** is installed in vehicle (Block **151**). At Block **152** a connection is then established between the multi-vehicle compatible tracking unit **110** and a downloading device **115** using a downloading interface **116**. Enabling data related to at least one corresponding vehicle device code for use by the multi-vehicle compatible controller **111** is downloaded via a downloading interface **116** (Block **153**). Once the enabling data is downloaded, the connection between the multi-vehicle tracking unit **110** and the downloading device **115** is terminated at Block **154**. Of course the multi-vehicle compatible tracking unit **110** may be optionally programmed via the downloading interface while the connection is established. The operation of the tracking unit may be tested at Block **155** before stopping at Block **156**. With particular reference to the flowchart **148'** of FIG. **15**, the multi-vehicle compatible tracking unit **110** may be connected to the downloading device **115** (Block **152'**), etc., before installation in the vehicle (Block **151'**) and testing (Block **155'**).

Other features relating to vehicle control systems are disclosed in copending patent applications entitled VEHICLE TRACKER INCLUDING STATIONARY TIME DETERMINATION AND ASSOCIATED METHODS, Ser. No. 09/859,727 filed May 17, 2001, now U.S. Pat. No. 6,512,465; VEHICLE TRACKER CONSERVING CODES AND RELATED METHODS, Ser. No. 09/859,673 filed May 17, 2001, now U.S. Pat. No. 6,522,267; VEHICLE TRACKER WITH POWER SAVING FEATURES AND RELATED METHODS, Ser. No. 09/859,728 filed May 17, 2001, now U.S. Pat. No. 6,512,466; VEHICLE TRACKER COOPERATING WITH A STARTER INTERRUPT AND RELATED METHODS, Ser. No. 09/859,973 filed May 17, 2001; VEHICLE TRACKER WITH USER NOTIFICATIONS AND ASSOCIATED METHODS, Ser. No. 09/859,733 filed May 17, 2001, now U.S. Pat. No. 6,509,868; VEHICLE TRACKER WITH USER REGISTRATION REMINDER AND RELATED METHODS, Ser. No. 09/859,971 filed May 17, 2001, now U.S. Pat. No. 6,507,786; VEHICLE TRACKER INCLUDING INPUT/OUTPUT FEATURES AND RELATED METHODS, Ser. No. 09/859,972 filed May 17, 2001, now U.S. Pat. No. 6,606,561; and VEHICLE TRACKER WITH TEST FEATURES AND RELATED METHODS, Ser. No. 09/859,729 filed May 17, 2001, now U.S. Pat. No. 6,809,659, the entire disclosures of which are incorporated herein by reference.

Many modifications and other embodiments of the invention will come to the mind of one skilled in the art having the benefit of the teachings presented in the foregoing descriptions and the associated drawings. Accordingly, it is understood that the invention is not to be limited to the embodiments disclosed, and that other modifications and embodiments are intended to be included within the spirit and scope of the appended claims.

That which is claimed is:

1. A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible tracking unit comprising:

a vehicle position determining device;

a wireless communications device;

a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information;

said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles; and

a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller.

2. The multi-vehicle compatible tracking unit according to claim **1** wherein said downloading interface comprises a wired signal downloading interface.

3. The multi-vehicle compatible tracking unit according to claim **2** wherein said wired signal downloading interface comprises a connector for temporary connection to a downloading device.

4. The multi-vehicle compatible tracking unit according to claim **1** wherein said downloading interface comprises a wireless signal downloading interface.

5. The multi-vehicle compatible tracking unit according to claim **4** wherein said wireless signal downloading interface comprises a wireless receiver for temporary connection to a downloading device.

6. The multi-vehicle compatible tracking unit according to claim **1** wherein the corresponding at least one vehicle code is for reading from the at least one vehicle device.

7. The multi-vehicle compatible tracking unit according to claim **1** wherein the corresponding at least one vehicle code is for writing to the at least one vehicle device.

8. The multi-vehicle compatible tracking unit according to claim **1** wherein said downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller.

9. The multi-vehicle compatible tracking unit according to claim **1** further comprising a remote transmitter; and wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.

10. The multi-vehicle compatible tracking unit according to claim **9** wherein the at least one vehicle remote control function comprises at least one of a vehicle security function, a remote keyless entry function, and a remote engine starting function.

11. The multi-vehicle compatible tracking unit according to claim **1** wherein said wireless position determining device comprises a Global Positioning System (GPS) receiver.

12. The multi-vehicle compatible tracking unit according to claim **1** further comprising a housing containing said vehicle position determining device, said wireless communications device, said multi-vehicle compatible controller, and said downloading interface.

13. A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible vehicle tracking unit comprising:

a vehicle position determining device;

a wireless communications device;

a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information;

said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles; and

a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller;

said downloading interface comprising a connector for temporary connection to a downloading device.

14. The multi-vehicle compatible tracking unit according to claim **13** wherein the corresponding at least one vehicle code is for reading from the at least one vehicle device.

15. The multi-vehicle compatible tracking unit according to claim **13** wherein the corresponding at least one vehicle code is for writing to the at least one vehicle device.

16. The multi-vehicle compatible tracking unit according to claim **13** wherein said downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller.

17. The multi-vehicle compatible tracking unit according to claim **13** further comprising a remote transmitter; and wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.

18. A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible vehicle tracking unit comprising:

a vehicle position determining device;

a wireless communications device;

a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information;

said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles; and

a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller;

said downloading interface comprising a wireless receiver for temporary connection to a downloading device.

19. The multi-vehicle compatible tracking unit according to claim **18** wherein the corresponding at least one vehicle code is for reading from the at least one vehicle device.

20. The multi-vehicle compatible tracking unit according to claim **18** wherein the corresponding at least one vehicle code is for writing to the at least one vehicle device.

21. The multi-vehicle compatible tracking unit according to claim **18** wherein said downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller.

22. The multi-vehicle compatible tracking unit according to claim **18** further comprising a remote transmitter; and wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.

* * * * *

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United States Patent

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(45) Certificate Issued: Dec. 28, 2016

(54) **VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS**

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(63) Continuation-in-part of application No. 11/076,259, filed on Mar. 9, 2005, now Pat. No. 7,720,597, which is a continuation of application No. 10/383,496, filed on Mar. 7, 2003, now Pat. No. 7,149,623, which is a continuation of application No. 09/859,972, filed on May 17, 2001, now Pat. No. 6,606,561.

(60) Provisional application No. 60/264,811, filed on Jan. 29, 2001, provisional application No. 60/258,005, filed on Dec. 22, 2000, provisional application No. 60/251,552, filed on Dec. 6, 2000, provisional application No. 60/252,125, filed on Nov. 20, 2000, provisional application No. 60/236,890, filed on Sep. 29, 2000, provisional application No. 60/246,463, filed on Nov. 7, 2000, provisional application No. 60/222,777, filed on Aug. 3, 2000, provisional application No. 60/205,178, filed on May 17, 2000.

(51) **Int. Cl.**

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B60R 25/102	(2013.01)
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G08G 1/127	(2006.01)
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(58) **Field of Classification Search**
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See application file for complete search history.

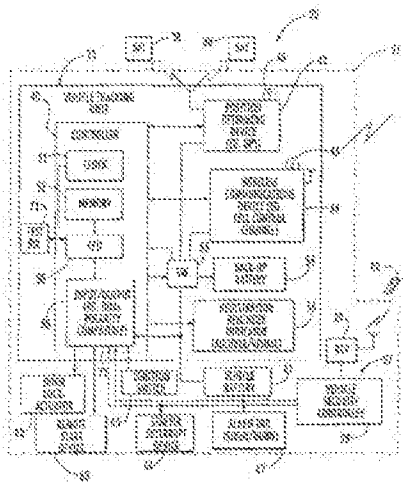
(56) **References Cited**

To view the complete listing of prior art documents cited during the proceedings for Reexamination Control Numbers 90/013,587, please refer to the USPTO's public Patent Application Information Retrieval (PAIR) system under the Display References tab.

Primary Examiner — Matthew C Graham

(57) **ABSTRACT**

A multi-vehicle compatible tracking unit is for a vehicle including a vehicle data bus extending throughout the vehicle. The vehicle tracking unit may include a vehicle position determining device, a wireless communications device, and a multi-vehicle compatible controller for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The multi-vehicle compatible controller may be coupled to the vehicle data bus for communication therewith with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles. A downloading interface may be included for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller.



EX PARTE REEXAMINATION CERTIFICATE

NO AMENDMENTS HAVE BEEN MADE TO THE PATENT

AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT:

The patentability of claims 1-22 is confirmed.

* * * * *

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(54) **VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS**

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H03F 3/45	(2006.01)
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G08G 1/127	(2006.01)
B60R 25/04	(2013.01)
G07C 5/00	(2006.01)
B60R 25/104	(2013.01)
B60R 25/33	(2013.01)
B60R 25/102	(2013.01)
G08G 1/00	(2006.01)

(52) **U.S. Cl.**
CPC ***H03F 3/45*** (2013.01); ***B60R 25/04*** (2013.01); ***B60R 25/045*** (2013.01); ***B60R 25/102*** (2013.01); ***B60R 25/104*** (2013.01); ***B60R 25/33*** (2013.01); ***G07C 5/008*** (2013.01); ***G08G 1/127*** (2013.01); ***G08G 1/20*** (2013.01); ***G08G 1/205*** (2013.01); *B60R 2325/202* (2013.01); *B60R 2325/205* (2013.01); *B60W 2550/402* (2013.01)

(58) **Field of Classification Search**
None
See application file for complete search history.

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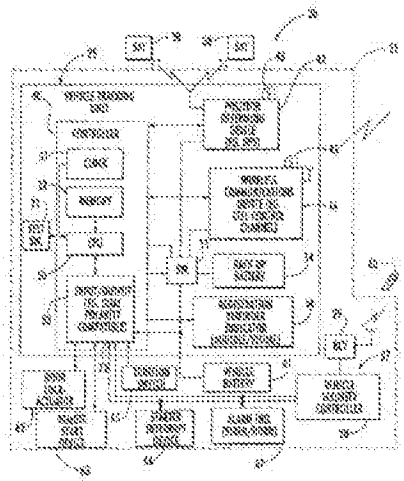
To view the complete listing of prior art documents cited during the proceeding for Reexamination Control Number 90/013,851, please refer to the USPTO's public Patent Application Information Retrieval (PAIR) system under the Display References tab.

Primary Examiner — Karin Reichle

(57) **ABSTRACT**

A multi-vehicle compatible tracking unit is for a vehicle including a vehicle data bus extending throughout the vehicle. The vehicle tracking unit may include a vehicle position determining device, a wireless communications device, and a multi-vehicle compatible controller for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The multi-vehicle compatible controller may be coupled to the vehicle data bus for communication therewith with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles. A downloading interface may be included for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller.



EX PARTE REEXAMINATION CERTIFICATE

NO AMENDMENTS HAVE BEEN MADE TO THE PATENT

AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT:

The patentability of claims 1-22 is confirmed.

* * * * *

US006430164B1

(12) **United States Patent**
Jones et al.

(10) **Patent No.: US 6,430,164 B1**
(45) **Date of Patent: Aug. 6, 2002**

(54) **COMMUNICATIONS INVOLVING DISPARATE PROTOCOL NETWORK/BUS AND DEVICE SUBSYSTEMS**

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(73) Assignee: **Cellport Systems, Inc.**, Boulder, CO (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/430,850**

(22) Filed: **Nov. 1, 1999**

Related U.S. Application Data

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(51) **Int. Cl.**[7] **H04Q 7/00**; G06F 9/40

(52) **U.S. Cl.** **370/313**; 370/389; 709/310; 455/99

(58) **Field of Search** 370/389, 392, 370/401, 466, 329, 349, 338, 313, 465; 701/29, 33, 36, 213; 713/168, 200, 201; 455/456, 410, 423, 67.1, 72, 99; 709/205, 202, 217, 310, 311, 313, 230, 201

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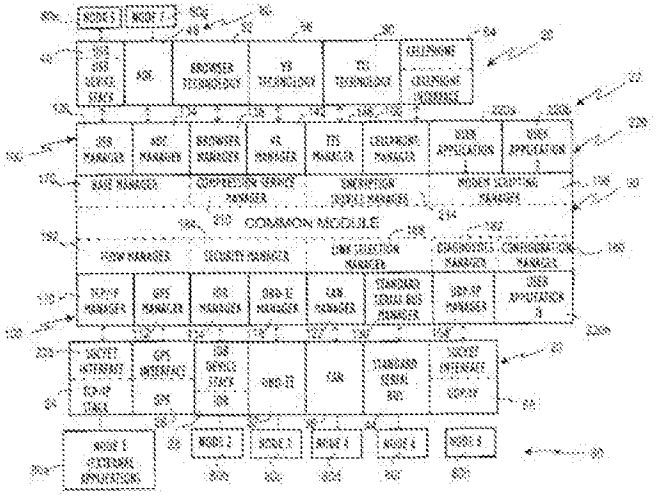
Primary Examiner—Chau Nguyen
Assistant Examiner—Andy Lee
(74) *Attorney, Agent, or Firm*—Sheridan Ross P.C.

(57) **ABSTRACT**

A communications apparatus for enabling communications among networks, buses, devices and other subsystems having different communication requirements is provided. The communications apparatus offers an open architecture for interoperability among diverse subsystems. The communications apparatus is particularly applicable in a vehicle. In one embodiment, a portal apparatus located remote from the vehicle facilitates communications with the communications apparatus, particularly when the vehicle is part of a vehicle fleet. The communications apparatus includes a common module that has at least one protocol by which disparate subsystems can communicate with each other. One or more managers can be defined as being part of the common module. The disparate subsystem managers provide the necessary interfacing to enable the disparate subsystems to communicate between and among each other using the common module. Each such manager has dedicated functionalities to facilitate communications. Managers associated with the common module may include managers for use in configuration and diagnostic tasks, encryption/decryption, compression/de-compression, controlling data flow, security regulation, and selecting an acceptable link for outside communications. The common module also includes a base manager for registering disparate subsystem managers including associating a name with each of them.

30 Claims, 3 Drawing Sheets



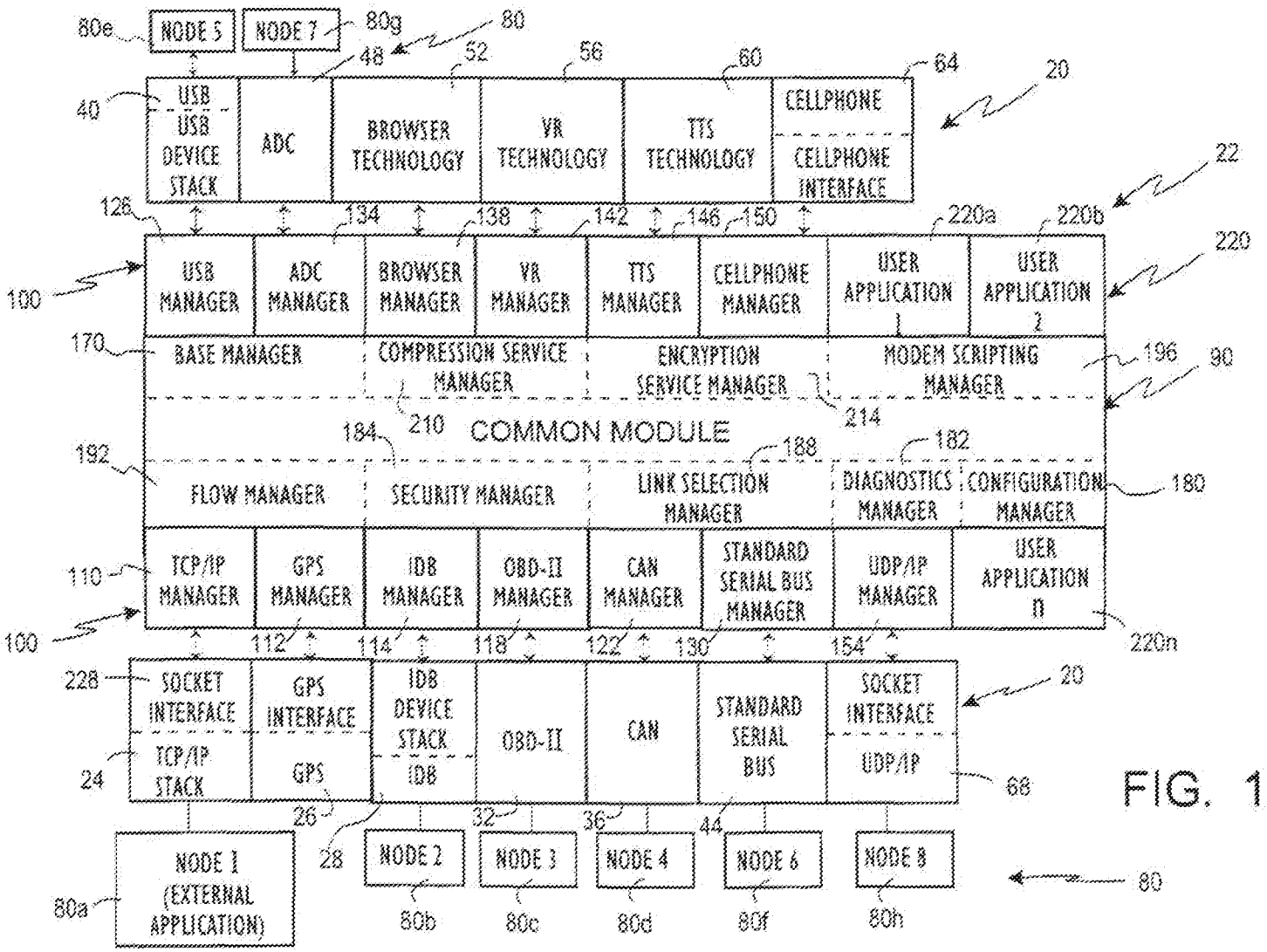
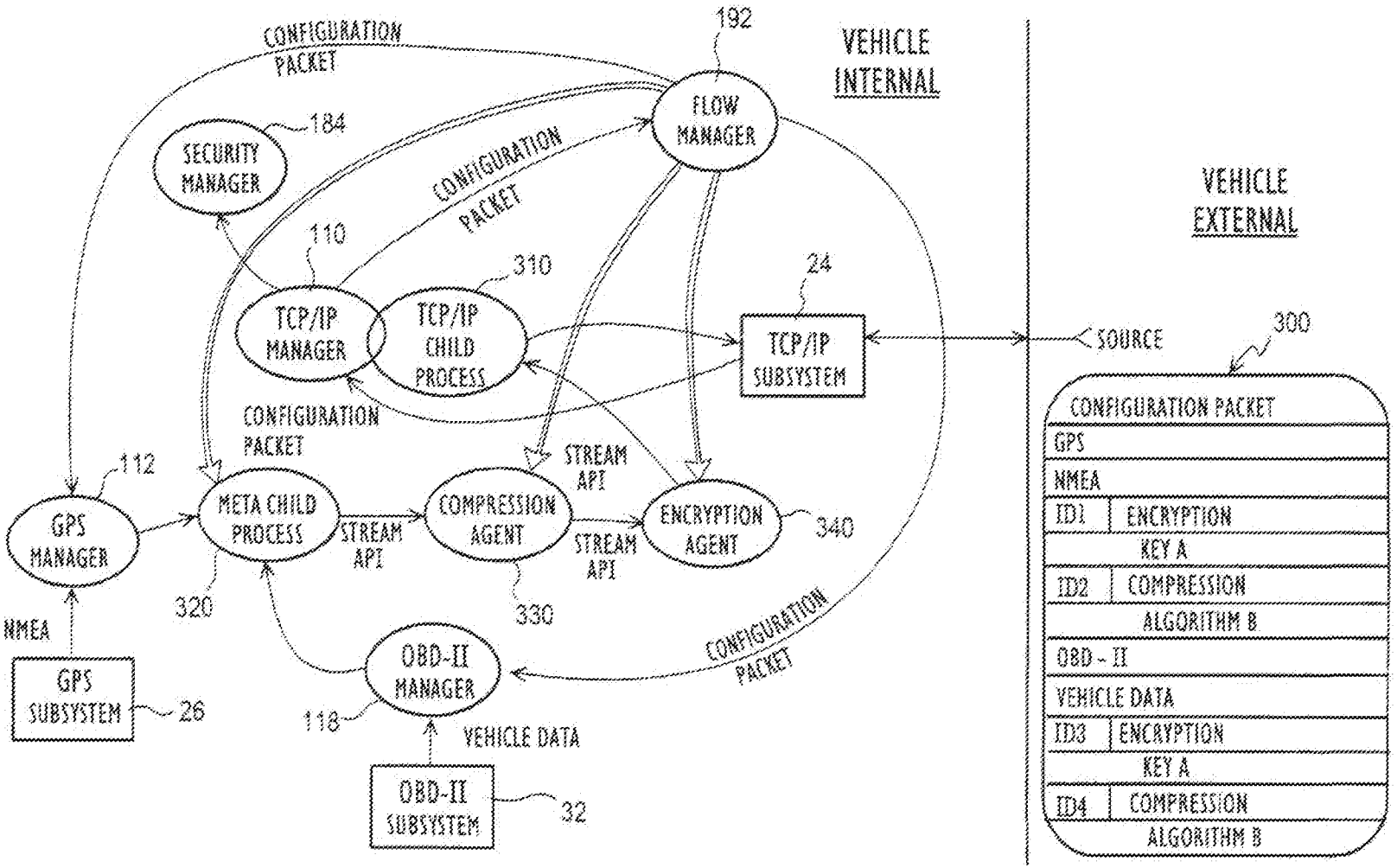

NODE 5
NODE 7
USB
USB DEVICE STACK
ADC
BROWSER TECHNOLOGY
VR TECHNOLOGY
TTS TECHNOLOGY
CELLPHONE
CELLPHONE INTERFACE
USB MANAGER
ADC MANAGER
BROWSER MANAGER
VR MANAGER
TTS MANAGER
CELLPHONE MANAGER
USER APPLICATION 1
USER APPLICATION 2
BASE MANAGER
COMPRESSION SERVICE MANAGER
ENCRYPTION SERVICE MANAGER
MODEM SCRIPTING MANAGER
COMMON MODULE
FLOW MANAGER
SECURITY MANAGER
LINK SELECTION MANAGER
DIAGNOSTICS MANAGER
CONFIGURATION MANAGER
TCP/IP MANAGER
GPS MANAGER
IDB MANAGER
OBD-II MANAGER
CAN MANAGER
STANDARD SERIAL BUS MANAGER
UDP/IP MANAGER
USER APPLICATION n
SOCKET INTERFACE
GPS INTERFACE
IDB DEVICE STACK
OBD-II
CAN
STANDARD SERIAL BUS
SOCKET INTERFACE
TCP/IP STACK
GPS
IDB
UDP/IP
NODE 1 (EXTERNAL APPLICATION)
NODE 2
NODE 3
NODE 4
NODE 6
NODE 8

FIG. 1

FIG. 2


VEHICLE INTERNAL
VEHICLE EXTERNAL
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192
FLOW MANAGER
184
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CONFIGURATION PACKET
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TCP/IP MANAGER
310
TCP/IP CHILD PROCESS
24
TCP/IP SUBSYSTEM
SOURCE
300
CONFIGURATION PACKET
112
GPS MANAGER
META CHILD PROCESS
STREAM API
COMPRESSION AGENT
STREAM API
ENCRYPTION AGENT
340
320
330
NMEA
GPS SUBSYSTEM
26
OBD-II MANAGER
118
CONFIGURATION PACKET
VEHICLE DATA
OBD-II SUBSYSTEM
32
CONFIGURATION PACKET
GPS
NMEA
ID1 ENCRYPTION KEY A
ID2 COMPRESSION ALGORITHM B
OBD - II
VEHICLE DATA
ID3 ENCRYPTION KEY A
ID4 COMPRESSION ALGORITHM B

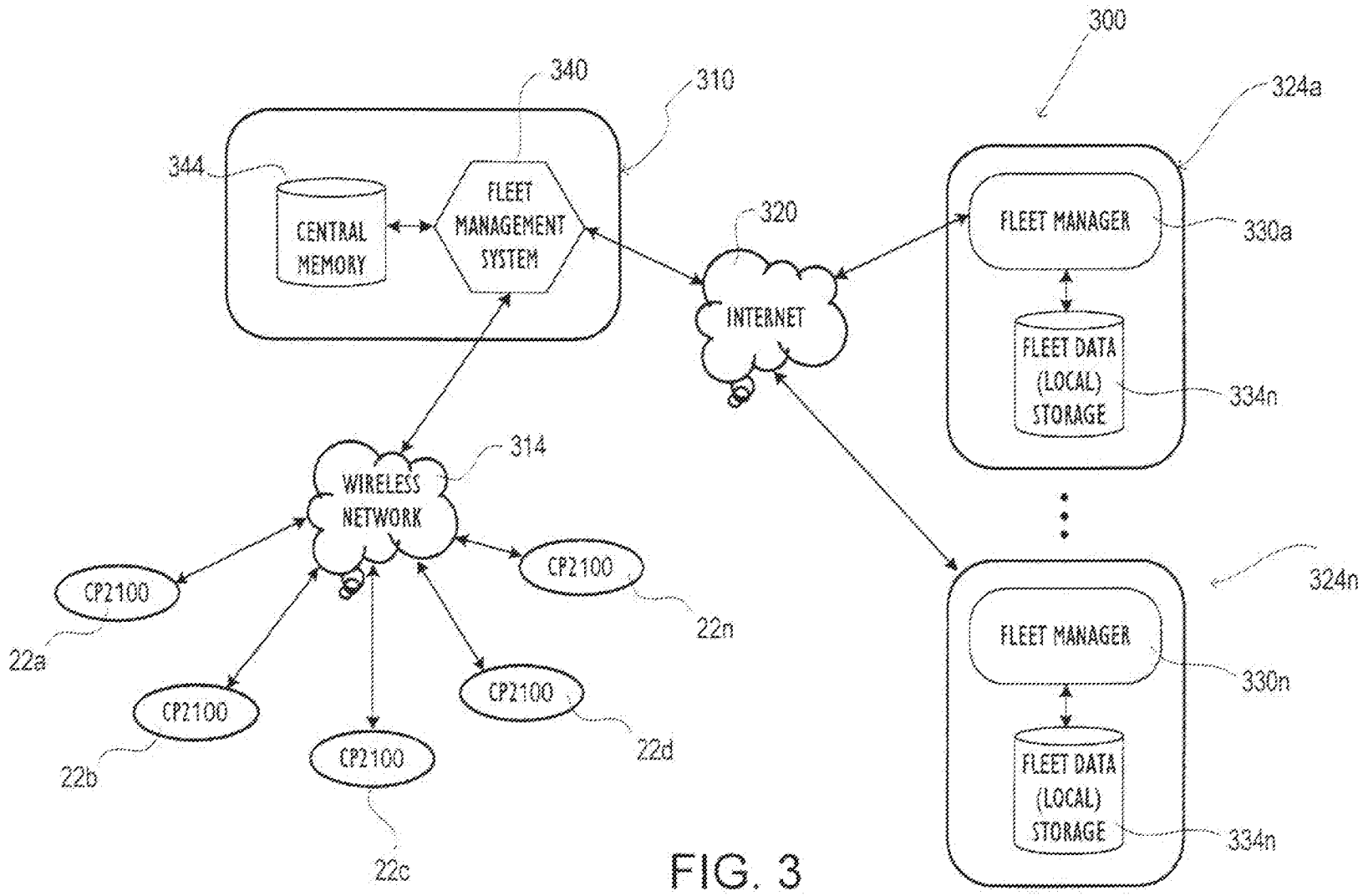

300
340
310
324a
344
CENTRAL MEMORY
FLEET MANAGEMENT SYSTEM
320
INTERNET
FLEET MANAGER
330a
FLEET DATA (LOCAL) STORAGE
334n
314
WIRELESS NETWORK
CP2100
22a
CP2100
22b
CP2100
22c
CP2100
22d
CP2100
22n
324n
FLEET MANAGER
330n
FLEET DATA (LOCAL) STORAGE
334n

FIG. 3

COMMUNICATIONS INVOLVING DISPARATE PROTOCOL NETWORK/BUS AND DEVICE SUBSYSTEMS

This application is related to and claims priority from Provisional Patent Application No. 60/139,820 filed Jun. 17, 1999.

FIELD OF THE INVENTION

The present invention relates to enabling communications between or among different operably interconnected devices and, in particular, to providing communications internally and externally of a vehicle, involving disparate subsystems using a common module and appropriate managers.

BACKGROUND OF THE INVENTION

Communications hardware and associated operations in different makes and models of vehicles continue to expand. There are currently, however, no standards or common procedures by which each of a number of disparate hardware devices can be operatively connected together for common purposes. This lack of effective connectivity inhibits desired communications between and among disparate networks, buses, devices and any other subsystems that might be found in a vehicle. This connectivity deficiency also negatively impacts the ability of one or more remote stations to communicate with such nodes in the vehicle.

Information transfers involving a remote station with hardware subsystems located in a vehicle have been enhanced with the availability of the Internet and wireless systems. A computer or other intelligent device located in the vehicle can communicate with one or more remote stations using the Internet and wireless technology. U.S. Pat. No. 5,732,074 issued Mar. 24, 1998 entitled "Mobile Portable Wireless Communication System", which is assigned to the assignee of the present application, describes a system by which a network in the vehicle including a number of devices associated with the network can send and receive information relative to the Internet.

With respect to multiple vehicle disparate subsystems in a vehicle, it is desirable to further facilitate communications both within and outside the vehicle. This can be effectively accomplished by an open architecture that can be responsible for enabling communications among a plethora of present and potential subsystems for use in a vehicle. Such a communications apparatus must be able to handle different communications requirements and facilitate interconnection of the disparate subsystems.

SUMMARY OF THE INVENTION

In accordance with the present invention, a communications apparatus is provided to enable information and data transfers between or among disparate subsystems. In an exemplary embodiment, the communications apparatus is contained within a vehicle having a number of disparate subsystems. The disparate subsystems include protocol based units and close-ended devices. The protocol based units can include networks and buses having associated components or peripherals that are interconnected. The close-ended devices are referred to herein as devices that do not have International Standards Organization (ISO) network layering and typically constitute a terminating communication node in the context of data flow ending or originating from such a device, and not typically acting as a link or pass through device for information or data transfers.

An example of such a close-ended device might be a global positioning system (GPS) that is useful in providing vehicle location information or a hardware device, such as a vehicle sensor from which data can be obtained for a particular vehicle component to which the sensor is operably connected.

In addition to the GPS, disparate subsystems may include an Internet protocol (IP) stack comprised of a number of network layers that are commonly involved in transfers using the Internet, a controller area network (CAN) found in at least some vehicles and which includes a bus along which a number of vehicle elements, communicate for supplying information concerning such elements. The disparate subsystems can also include an intelligent transportation system data bus (IDB) and/or an onboard diagnostics (OBD) that are involved with monitoring and providing information related to vehicle components. Voice recognition (VR) technology and text-to-speech (TTS) technology can also be part of the group of disparate subsystems and which are involved in facilitating speech control and response communications in the vehicle. Other disparate subsystems may include an analog/digital converter (ADC), a standard serial bus, a universal serial bus (USB), a user datagram packet/Internet protocol stack and a cellphone, as well as one or more other customer proprietary devices.

In conjunction with enabling communications between and among the disparate subsystems, as well as communications outside the vehicle, the communications apparatus includes a common module and a number of disparate subsystem managers. The common module is defined as being comprised of a number of common module managers, which may include one or more of the following: a base manager for handling registration and de-registration of disparate subsystem managers, as well as other components or component processes that perform communication tasks; a configuration manager for use in downloading applications, configuring routing tables, reviewing error logs and other assigned tasks; a diagnostics manager for collecting and relaying diagnostic data; a security manager for use in, among other things, monitoring external applications attempting to connect to the communications apparatus for security purposes; a flow manager having the ability, to interconnect children (child processes) of managers in order to perform operations on data passing through them; compression/decompression managers involved with compressing and de-compressing data being communicated; and encryption/de-encryption managers for encrypting/de-encrypting data, as well as user-defined services, that can process, filter or otherwise act on available data.

The disparate subsystem managers can communicate with each other involving the common module functionalities using at least one common protocol. In a preferred embodiment, two communication protocols are available. These are identified as a bus applications programming interface (API) and a stream API. The bus communication is useful in applications in which a number of independent components are involved in the communication, while, stream communication is useful for unstructured stream data between two components.

With respect to the number of disparate subsystem managers, a dedicated one disparate subsystem manager is defined as communicating with a particular disparate subsystem. Accordingly, the number of disparate subsystem managers is equal to at least the number of disparate subsystems. For example, a TCP/IP stack operably communicates with a TCP/IP manager in order to participate in the functionalities and features associated with the communica-

tions apparatus. Each disparate subsystem manager provides functions that are common, namely: providing a native interface to the specific disparate subsystem with which it communicates, providing an interface to the common module, and performing a number of management functions. Conversely, because of the dissimilarities among the disparate subsystems, many of the disparate subsystem managers have different software capabilities that are unique to the particular disparate subsystem for which it has responsibility.

With respect to the interoperability among the disparate subsystems and the communications apparatus, an exemplary operation is next described. A request for data or other information might originate from a source or site external to a vehicle having a communications apparatus. This request for information is communicated wirelessly using the Internet and its TCP/IP communication protocol and in which at least the vehicle has an Internet address, although components in the vehicle may also have separate Internet addresses. Wireless technology in the vehicle receives this Internet communication and it is routed or received by the TCP/IP disparate subsystem or protocol stack. The request for information is handled by the TCP/IP manager that is in direct communication with the TCP/IP disparate subsystem. Based on its recognition of the contents of the request for information, such as a configuration packet, the TCP/IP manager creates a first child process for establishing a stream API (application programmer's interface) for transferring the requested information in stream form. In one embodiment, from the contents of the request, fox information, the TCP/IP manager is involved with at least some, if not all, of the request to a second manager that will be involved in obtaining the requested information. By way of example, the second manager might be the GPS manager, where the requested information includes NMEA data from a GPS disparate subsystem. In such a case, the informations related to the request received by the GPS manager is utilized by it to manage or otherwise control the obtaining of data from the GPS subsystem. In that regard, a second child process associated with obtaining the data from the GPS subsystem by a stream API is created. The second child process cooperates with the first child process to transmit the requested information from the GPS subsystem to the requesting source external to the vehicle. As part of creating each child process, the common module also is involved, through its base manager, in the registration of the dynamically created first and second child processes. When the request for information is satisfied, such child processes can be de-registered using the base manager. Utilization of such child processes enables the managers to function with multiple requests that are simultaneously satisfied or have overlapping needs for the same services using the same managers. The child processes may be spawned through the responsibility or management of other managers, such as the flow manager. Additionally, services associated with the obtaining of the data might be employed including compression of the obtained information and encryption thereof, as well as reliance on the security manager to insure that the request for information has authorized access to the communications apparatus.

In one embodiment, data gathering and other communications are facilitated involving a fleet of vehicles, with each having an embedded communications apparatus. Instead of the owner/operator of the vehicle fleet directly accessing each of communications apparatuses in the vehicles of its fleet, a portal apparatus acts as a communications link between vehicle fleets and the fleet managing subsystem. The portal apparatus facilitates downloading of software configurations and updates to each communications apparatus in the vehicles of the particular fleet, as well as facilitating the obtaining of vehicle operational data and other information including diagnostic data and status information including fault-related data.

Based on the foregoing summary, a number of salient aspects of the present invention are readily identified. Transfers of information including data relative to different devices, buses and/or networks are substantially seamlessly achieved. Such transfers can be accomplished among these different subsystems without requiring that they be modified, thereby achieving a "plug and play" result. The disparate subsystems include protocol dependent components as well as close-ended devices at which data flow originates or is terminated, such as a GPS. Consequently, the communications apparatus of the present invention handles communications among devices that are not characterized by ISO network layering. The disparate subsystems communicate with each other using a common communications protocol involving a common module. Communications can occur involving the common module, both externally and internally of a vehicle. Such communication transfers can include: data logging, application program downloading, vehicle component or sensor monitoring and vehicle location information. In one embodiment, management of fleet vehicles is augmented by a portal apparatus located intermediate a number of communications apparatuses embedded in fleet vehicles and fleet management subsystems.

Additional advantages of the present invention will become readily apparent from the following discussion, particularly when taken together with the accompanying drawings

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a block diagram, of the present invention illustrating the common module, disparate subsystems and disparate subsystem managers that interface between them; and

FIG. 2 is a flow diagram related to exemplary communications among disparate subsystems involving the communications apparatus; and

FIG. 3 is a block diagram illustrating a portal apparatus for use with vehicle fleet subsystems.

DETAILED DESCRIPTION

With reference to FIG. 1, a system is illustrated for enabling communications among disparate technologies. Although the system has particular application in a vehicle and will be described in the context of a vehicle application, it may be beneficial in other environments, such as manufacturing facilities or other industrial complexes, offices and homes.

The system includes a plurality of disparate subsystems **20** and a communications apparatus **22**. The disparate subsystems **20** in a vehicle can include one or more of the following components: Internet protocol (IP) stacks **24**; a global positioning system (GPS) **26**; an intelligent transportation system data bus (IDB) **28**; an onboard diagnostics (OBD-II) **32**; a controller area network (CAN) **36**; a universal serial bus (USB) **40**; a standard serial bus **44**; an analog/digital converter (ADC) **48**; browser technology **52**; voice recognition (VR) technology **56**; text-to-speech (TTS) technology **60**; a cellphone **64**; user datagram packets/Internet protocol stack(s) (UDP/IP), one or more custom or

proprietary units or components, as well as any other presently or later devised subsystem that may be useful in a vehicle or another environment in which the system is operating.

The disparate subsystems **20** are usually characterized by the differences in their interfaces including how they communicate with other components. For example, an IP stack disparate subsystem **24** is characterized by International Standards Organization (ISO) network layering including a socket interface at the higher layer. In contrast, the OBD disparate subsystem **32** does not follow the ISO network layering but could be characterized as a single layer disparate subsystem having different interface requirements in order to properly communicate with it.

With regard to identifying these disparate subsystems **20**, the IP stack(s) **24** include(s) a number of network layers typically involved in transmissions or information transfers over the Internet. The GPS **26** provides vehicle location related information, such as longitude, latitude, altitude. The OBD-II **32** is available in at least certain vehicles for use in providing engine related information, such as engine speed, pressure of certain components, etc., using sensors that may be useful in diagnosing vehicle engine faults. The IDB **28** is a relatively new standard bus found in vehicles that has a number of vehicle elements that send/receive data or other vehicle-related information, such as fuel management or other vehicle device data, using a protocol analogous to TCP/IP. These vehicle elements can include vehicle windows, doors, air bags, lights, etc. The CAN **36** is another communications network within the vehicle for providing information from vehicle elements, such as automotive electronics including engine sensors, lamps, electric windows, etc. The USB **40** is a PC centric network that includes a bus for enabling communications among PC hardware, e.g., mouse, keyboard, printer, memory. The standard serial bus **44** accommodates information transfers from/to and among devices or components that are not presently known or not specific (e.g., unlike RS232, RS485 compatible devices). The ADC **48** can be used to output necessary digital signals for providing useful information from devices connected thereto such as automotive electronic elements that may be separate from and not associated with a particular bus. The VR technology **56** enables the vehicle driver or passenger to provide commands or other information verbally to achieve desired results including obtaining information. The TTS technology, **60** provides the user or operator with a verbal output that can be readily heard. The browser technology **52** can access and provide desired information, particularly in combination with the VR and TTS technologies, and is dependent on an Internet related external connection to satisfy the web-based request. The cellphone **64** is a useful communications tool in sending/receiving analog voice or digital data.

A number of the disparate subsystems **20** are electrically connected to one or more nodes **80** that are associated with a particular sender and/or receiver of the data/information in association with or part of the disparate subsystems **20**. Representative of the nodes **80** are nodes **80a**–**80g**. The node**1 80a** can include an external application that is located outside of the vehicle and is wirelessly connected to the disparate subsystem IP stack **24**. By way of example, an application running on a computer station remote from a vehicle may receive vehicle data that it processes for providing a desired report. The node**2 80b** may be defined as including one or more vehicle elements connected to the disparate subsystem IDB **28**. The node**3 80c** may also be characterized as one or more vehicle elements associated with vehicle engine functions that are connected to the OBD **32**. The node**4 80d** may define a number of vehicle devices connected to the CAN **36**. The node**5 80e** may also comprise a number of nodes, with each node associated with different PC centric hardware and/or software in communication with the bus of the USB **40**. The node**6 80f** can also comprise or define a number of nodes, with each communicating with at least one component in the vehicle and with all of them electrically connected to the standard serial bus **44**. The node**7 80g** can include one or more separate nodes communicating with such vehicle components as sensors or other elements that may not be part of a particular vehicle network or bus and which require the ADC **48** for providing the necessary digital signal acceptable to the communications apparatus **24**. The node**8 80h** can include applications that communicate using the UDP protocol.

In conjunction with enabling communications between and among each of the disparate subsystems **20** including, where applicable, their associated one or more nodes, the communications apparatus **22** can be defined as including a common module or interface **90** and a plurality of disparate subsystem managers **100**. Generally, among the plurality of disparate subsystem managers **100**, each disparate subsystem **20** is in communication with a different, specific one manager of the plurality of managers **100**. In the illustrated embodiment, there are disparate subsystem managers **110**–**154** in direct communication with disparate subsystems **24**–**68**, respectively. Each of the disparate subsystem managers **100** has common responsibilities or functions. These functions include: (1) providing a native interface to the specific disparate subsystem **20** with which it communicates; (2) providing an interface to the common module **90**; and (3) performing a number of management functions. Although having similarities, each manager **100** has different software for handling the native interface since the disparate subsystems **20** usually have different requirements. For each disparate subsystem **20**, the management functions can include: initiating and responding to messages relative to other disparate subsystem managers **100** for the purpose of providing desired communications including those involving the transfer of data or other information between or among them; and creating connections or links between other disparate subsystem managers **20** that result in a communications path using a selected common communications protocol associated with the common module **90**. In that regard, the common module **90**, in one embodiment, can include two communication protocols for selection. A first communication protocol essentially involves use of request and response messaging, while the second common communications protocol essentially involves unstructured data transfer.

The common module **90** has a number of functions in operating with the disparate subsystem managers **100** including a registration procedure by which disparate subsystems **20** and other components or component processes are registered by the common module **90**. As part of the registration procedure, a name or identifier is assigned to each such registered component and a message queue is established for each such component. As an example of a component process being registered, other than a disparate subsystem manager **100**, once a connection is established for communication purposes between two disparate subsystem managers **100** that are connected to the common module **90**, such a component process indicative of this connection is registered and such component process is assigned a dynamic name. The dynamic name is discontinued or de-registered upon completion of the particular component

process, such as completion of a data transfer that involves a connection between two disparate subsystem managers **100**.

With respect to registration, the common module **90** includes a base manager **170** that can be a software module for handling the registration and de-registration of disparate subsystem managers **100** and other components or component processes performing tasks or involved with communications using the common module **90**. The common module **90** may also have a configuration manager **180** as part thereof. The configuration manager **180** can be a web-based configuration tool that operates using hypertext transport protocol (HTTP). The configuration manager **180** utilizes a browser interface for configuration, i.e. downloading applications, configuring routing tables, reviewing error logs and other assigned tasks. Because of HTTP usage, users can configure via a wireless modem connection, through the local Ethernet port or through an available RS232 connection using a suitable protocol, such as SLIP or PPP. Implementation of HTTP provides a way to perform remote debugging as well as perform diagnostics and/or other services.

Other managers that are part of the core platform associated with the common module **90** include a diagnostics manager **182**, a security manager **184**, a link selection manager **188**, a flow manager **192** and a modem scripting manager **196**. The diagnostics manager **182** is involved with obtaining and managing diagnostics information. The security manager **184** oversees managers **100** characterized by their use of particular protocols in communicating with their connected or associated disparate subsystem **20**, as well as being characterized as being connected to disparate subsystems **20** that are not close-ended, i.e., are not disparate subsystems **20** where data or other information flow terminates or originates, such as a GPS disparate subsystem **26**. In overseeing such managers **100**, the security manager **184** monitors the connections made from sources outside the environment of the communications apparatus **22**, such as external to a vehicle having the communications apparatus **22**. The key security feature to be realized relates to monitoring external applications attempting to connect to the communications apparatus **22**. The link selection manager **188** functions to provide an acceptable network link for transmitting and/or receiving information wirelessly relative to the vehicle. The flow manager **192** provides the ability to string managers together to perform, operations on the data flowing through them. The flow manager **192** mediates between an application and available services by setting up a communications pipe that can contain one or more services. The pipe exists between the application and the intended recipient of data, without the application having any knowledge that the data is being modified through the process. As an example, the communications apparatus **24** can be considered as a data flow machine in which data flows through a network of data processors that perform some action on the data. These actions are negotiated before hand by the mediator such that there is no delay in processing the data to be moved to air external site. The flow manager **192** can mediate a managed flow to a physical link. Once service agents are selected and the flow is established, the data flows through the architecture and through each of the selected service agents. In one example, the data is first compressed and then encrypted prior to being exported out of the unit via the selected physical link. Conversely, data originating from an external source can be decrypted and decompressed after being imported to an internal process which allows for bi-directional functionality that is dependent on the direction of flow of the data. The modem scripting manager **196** is responsible for initializing connections through available modems through a standard setup package.

In addition to such identified managers involved in the operation of the common module **90**, service providing managers can also be included, such as a compression service manager **210** and an encryption service manager **214**. The compression service manager **210** provides a service of compressing a stream of data passed from another component, such as through a stream connection. The compression service manager **210** provides the capability to pass its data to another component, typically different from the source application, to support the data flow architecture. The encryption service manager **214** provides a service of encrypting a stream of data passed from another component, such as through a stream connection. The encryption service manager **214** provides the capability to pass its data to another component, that is typically different from the source application, in order to support the data flow architecture.

The common module **90** may also be designed to have the ability to execute user applications that are in direct communication therewith. The configuration manager **180** can provide the ability to load user applications **220** (e.g. **220***a*, . . . **220***n*) into a user applications module in communication with the common module **90** and update necessary initialization files to support their execution when the system is booted up. Such user applications **220** will be provided with the ability to register with the common module **90** and then communicate freely with the operating system, such as RTOS (real time operating system) that constitutes the operating system for the communications apparatus **22**, together with the disparate subsystem managers **100** to satisfy their requirements. The common module **90** also includes a processing subsystem including a processing core that can be a Power PC. The processing subsystem can also include RAM (random access memory) and mutable flash storage. The flash storage can be split into a compressed kernel image and a mutable flash file system.

The combination of the common module **90** and the disparate subsystem managers **100** provides a reliable transparent foundation for communications between disparate subsystems **20** within a mobile unit through the use of a selected common protocol that permits seamless integration among all disparate subsystems **20**. The communication apparatus **22** utilizes operating system features that promote portability (POSIX), so that the communications apparatus **22** is portable to any POSIX-compliant operating system.

Processes attach to the communications apparatus **22** as "components" providing services (access to a protocol, application performing data-reduction, interface to data input device, etc.). Each component provides an interface using the communications apparatus **22** API (application programmer's interface) and, for a particular disparate subsystem **20**, an interface to a native protocol or interface.

The communications apparatus **22** also promotes dynamic operation. As a new component is executed (either at boot-time or any time thereafter), it registers itself with the common module **90**. This registration allows other components to know who is connected and to some extent what services they provide. When a disparate subsystem **20** or other, component wishes to be removed from the communications apparatus **22**, de-registration occurs to remove its name from the common module **90** name-space.

The combination of the common module **90** and disparate subsystem managers **100** creates a common denominator for

communications such that all components speak at least one common language (common protocol) and thus provide the capability to communicate to one another. The communications apparatus **22**, which must support dynamic operation and transparency, provides a naming facility to achieve these goals.

The name-space within the communications apparatus **22** is split into three distinct regions. A physical name is defined as a 10-bit value (0–1023 possibilities).

Region	Name sub-space	Description
System Names	0000–0127	system names (reserved for core platform name.
Dynamic Names	0128/0511	dynamic names (allocated through the system dynamically)
User Names	0512–1023	user name space available for OEM use.
Broadcast	1024	all registered names

Names can be either static or dynamic, which is defined by the method used to attain them. Static names are simply defined to the system during registration, where dynamic names are requested from the common module **90**. As a general rule, names should be dynamic unless they are required to be static An advantage to static names is that they are always known (the mapping from name to component remains fixed) which is why servers are typically static. Dynamic names are useful for client components that do not export functionality (do not require a component to asynchronously communicate with it). An exception to this rule is made possible by a services API. The primary goal of the services API is to limit the static usage of the software bus naming service.

One of the primary uses of dynamic names are the dynamically created children of server components that manage specific communications. These children register with a dynamic name, since the child communicates only with components that requested information from the server.

One special name is the broadcast name. This name results in the message to be sent being distributed to all other registered components except for the original sender. Multicast communication is also available where components are permitted to subscribe to a particular "list." Whenever a message is sent to the identifier representing the list, each member associated with the list receives a copy of the message.

The services API provides the means to identify functionality exported by dynamically named components. A service is a simple string that defines some unique information about the component to the communications apparatus **22** and to other components. For example, the GPS manager **112** could register itself with a dynamic name (received through the communications apparatus **22**) and then identify its service to the bus using the publicly available key "GPS". Other components looking for the GPS manager **112** could perform a simple lookup using the "GPS" public key, which would result in the return of the component's physical name. The ability to wait for a service name is also provided which introduces the capability of component synchronization.

Communication among components connected to the communications apparatus **22** requires a definition of rules, called protocols, to govern the manner in which communication is allowed to take place. A protocol is a formal set of rules and conventions governing the format of message exchange between two or more communicating components. The communications apparatus **22** provides two protocols through two APIs, identified as bus API and stream API.

The bus API is the lowest level of communication. It provides packet level communication between components registered with the common module **90**. The next level up is the stream API that uses the bus API as its base. Each of the bus and stream APIs are part of the common module **90**. The stream API provides point-to-point stream data communication. Bus communication is useful in applications where communication must be performed to a number of independent components. Stream communication is useful for unstructured stream data between two components (such as an audio stream).

The communications apparatus **22** utilizes messages in communicating with components connected thereto. A message is a typed collection of data objects consisting of a fixed size header and a variable length body that is managed by a component. A type is associated with a message to provide structural information on how the message should be used. Messages provide the basic object for communication over the common module **90** and representative message content is provided below:

Message Header	Source	the sending component
	Destination	the destination component
	Type	the message type (structural id)
	Length	the length of the data portion
Message Buffer	Variable Data	

Each registered component is assigned a message queue for the receipt of messages. The component should manage this resource carefully to be a good neighbor on the bus (respond in a timely manner, etc.). Every time a message is sent using one of the available send primitives, it is placed on the queue defined by the component destination (the message queue owned by the destination component). In some cases, a component may register more than once. Therefore it is important to note that a component identifier may not refer to a component but instead of a specific queue of a component.

Communications apparatus **22** communication primitives operate in either blocking or non-blocking modes. In blocking mode, the sender blocks (sender waits until the message has been placed on the receivers message queue). In non-blocking mode, the sender returns immediately with an indication of whether the message was placed on the queue or not. Conversely, receiving messages operates using the same semantics. In blocking-mode, a receiver blocks if no message is available for read. In non-blocking mode, the receiver is returned an indication of whether a message was received or not.

Messages are owned by each component and are allocated from the process-specific address-space (rather than system-owned messages).

Since the communications apparatus **22** is a networking product, communications with entities that differ in processing architecture are inevitable. Issues that arise here are byte-endianess, structure packing issues and data representation issues. Not all of these problems can be completely resolved (unless a single unified architecture exists) so standards are defined here.

The byte-endian issue is resolved through the standard networking practice of network byte order. The Power PC provides this by default, so extra computing is not required to provide the byte swapping.

Structure packing issues come into play when an external process sends a message to a component of the communications apparatus **22** using a structure cast to a void pointer. For efficiency, packing is performed on 33-bit boundaries.

Finally, representation issues manifest themselves through the fundamental types of a particular architecture (for example, floating point). Numerous floating point representations exist and since the system cannot understand them all, floating point will be disseminated in the Power PC format. Knowing this information, external applications can provide conversion functions to convert the floating-point data to their specific representation. Applications may convert floating-point data to scalars or simply pass ASCII-based representations to further simplify this problem.

The lowest level of communication offered by the communications apparatus **22** is the packet-level (or bus-level since it is the bus-native format). Communication at this level is direct in that a recipient is defined for each message that is sent by a component. Addressing at this level is symmetric given a recipient is defined for each message and also a recipient handle is defined for a bus-level receive operation for a component.

Prior to a component communicating over the common module **90**, it must first register. The registration occurs with the base manager **170**. Once registration has occurred, the component may send and/or receive messages over the communications apparatus **22**. When communication is no longer necessary, de-registration occurs. This process is again managed with the base manager **170** through the bus API.

The bus-level also provides other useful functions such as dynamic name request, name lookup and a default message handler.

The communications apparatus **22** can provide different messaging functions including broadcast messaging and multicast messaging. Broadcast messaging is achieved by sending a message to a special destination name, which results in the message being sent to all registered components. Broadcast is a useful mechanism on the communications apparatus **22** for synchronized start and shutdown.

In some applications there is the need for multicasting, which allows a subset of the communications apparatus **22** to receive messages of the same type. Multicasting is provided by the communications apparatus **22** through the registration of a dynamic name that represents the list of multicast members. A multicast list may be defined as a service. Therefore, other components may identify a multicast address by a particular name and/or wait-for it using the service API synchronization.

Above the bus-level of communication are stream communications. Streams, as the name implies, are point-to-point connections between two components where unstructured data is moved between them. The primary difference between streams and the bus-level API is that streams permit a connection to another component and then one-to-one communication. The stream API provides communication primitives (such as send and receive) but also server-specific primitives for developing information servers. Stream level communication utilizes simple streams of byte-data rather than structured messages. Once the connection occurs, byte-data is streamed between the two end-points. Stream primitives may be configured for blocking or non-blocking operations based upon parameters passed at stream connect.

Since the communications apparatus **22** is an open architecture and, depending upon the particular application, highly available through a number of links, security is a key issue. Security can be established on three fronts. The first is external user access, the second is application and the third is data. Each level is dependent on the next for security. Communication security comes into play when external entities desire connectivity to or from the communications apparatus **22**. Basic security mechanisms protect against access through telnet, ftp or tftp (standard UNIX® mechanisms).

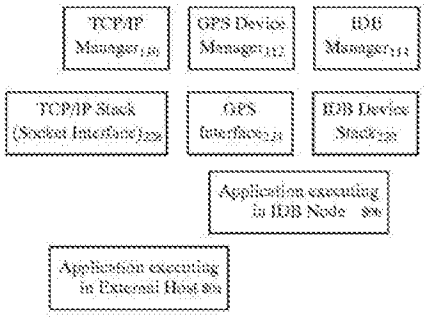
Application security is required for external applications that wish to connect to the communications apparatus **22**. When an external application wishes to connect to the communications apparatus **22**, the security manager **184** of the communications apparatus **22** is consulted first to identify if the connection is authorized (through its internal security directives). For example, when an external application connects through the TCP/IP manager **110**, the security manager **184** will define whether the connection is legal by identifying the host of the external application. The security manager **184** defines not only whether a connection is legal by identifying the host of the external applications but also whether the particular destination of the connection is acceptable. By way of further example, the security manager **184** may define that the TCP/IP connections are approved from a first host to the USB manager **126**, but not to the OBD manager **118** or a second host associated with the IDB **28** may access the GPS **26**, but not the TCP/IP **24**.

Data security is provided through the use of the encryption service manager **214** that encrypts data prior to being shipped through the link. Conversely, decryption managers of the common module **90** function to decrypt data from an outside source into the communication apparatus **22**.

The communications apparatus **22** operates in two basic functional modes. These are identified as the "pure bridge" mode and the "application" mode.

In pure bridge mode, the communications apparatus **22** operates using two protocol managers (e.g. IP/TCP manager **110** and IDB manager **114**) to create and maintain connections essentially controlled by a source or application located outside the environment of the communications apparatus **22**. One such manager acts as the source protocol manager for the incoming connection and the other such manager acts as the destination protocol manager. The transferred data or other information is not destined for use internally but is to be moved from one subsystem (e.g. bus) to another subsystem. Applications running in external nodes operating over different buses force the creation of connections which bridge the available buses or links within the vehicle or other environment.

For example, consider the communications apparatus **22** providing connectivity to TCP/IP **24**, IDB **28** and GPS **26**. The TCP/IP **24** and IDB **28** are provided through the TCP/IP and IDB managers **110**, **114** and the GPS **26** is provided through the GPS manager **112**. These software components execute as part of the communications apparatus



Consider a node connected to an IDB device stack **220** that wishes to gather vehicle location data and then communicate this data to the external node1 **80a** on the Internet.

The IDB application connects to the communications apparatus **22** node using the IDB device stack **220** and the IDB manager **114** with a packet header defining the action to take (connect to the GPS manager **112** utilizing the GPS interface **224**). The IDB manager **114** would create a child component (along with the GPS manager **112**) to provide the read-only data through the IDB device stack **220** back to the requesting application. This connection could be stream-based (data would stream to the IDB-based external application when updated, or could be asynchronous in a request/response mode) The IDB application next connects to the TCP/IP manager **110** (utilizing the socket interface **228**) with another packet header (specifying the requested connection to the TCP/IP manager **110** along with the external host for which the connection should be made). The TCP/IP manager **110** would then make the connection to the external host, and bind a child process to handle the particular connection.

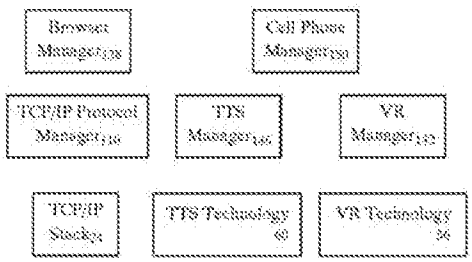
This process is identical regardless of the particular network being used by the connecting application, for example the USB **40** would use the same process. Applications can also create connections through TCP/IP **24** thereby providing Internet-based enterprise level access to devices connected to the communications apparatus **22**. The security manager **184** limits access to only appropriate hosts.

Stream modes of communication (for unstructured data) and packet modes (for structured data) are provided through the communications apparatus **22**.

The previous section defined a mode whereby a protocol (TCP/IP **24**) and a device manager (GPS **26**) provided the necessary functionality to bridge a device and route between protocols for externally controlled applications (external applications are in control of data flow through the communications apparatus **22**). The application mode differs in that the users of the data can be maintained on the communications apparatus **22**.

The communications apparatus **22** provides an open architecture for the development of onboard applications. A developer can link the communications apparatus **22** libraries to gain access to the communications apparatus **22** to connect to any manager (protocol, device or other). The APIs are consistent among all components, the data simply differs to change the behavior of the communication.

Consider the following example utilizing voice recognition and text-to-speech in a vehicle application. The voice recognition (VR) manager **142** provides a server using existing VR technology **56**. The VR manager **142** accepts the recognized speech in terms of grammatical tokens that identify the parsed sentence. The VR manager **142**, in this application, requires that any voice command be preceded by a destination entity (for example, browser, GPS, etc.). For example, "browser, search for X". This prefix identifies to the VR **142** manager the destination of the particular speech unit.



Applications connect to the VR manager **142** defining their particular name such as "browser" or "cellphone". A speech is recognized and parsed, the speech tokens are passed to the particular manager.

In this application, the browser manager **138** would notify the VR manager **142** that it is available and its name is "browser". This defines the browser **52** as a user of the VR manager **142** and a destination for speech preceded by the name. When the VR manager **142** (using the available driver) parses the sentence "browser what is the nasdaq doing?", the word-tokens are passed to the browser **52** (or more likely through a parser which identifies the semantics of the request who then passes the raw information to the browser **52**). If the sentence is not understood by either entity, the text-to-speech (TTS) **146** manager is provided with a canned "I do not understand your request" statement. Otherwise, the browser **52** tries to satisfy the request (likely through the TCP/IP manager **110**) and then returns the result back through the TTS manager **196**. The TCP/IP manager **110** may involve the TCP/IP disparate subsystem **24** as part of gathering requested information outside of the vehicle, which information is located at a remote site, such as a web site.

This illustrates the application mode of the communications apparatus **22** where data management is essentially under control within the vehicle or other environment in which the communications apparatus **22** is located. It should be noted that the VR manager **142** could be used in bridge mode as well, where an external application could register a name and the speech tokens would be routed to the particular application on its bus (IDB **28**, USB **40**, etc.).

An additional description related to the components and operations of the system is next provided with reference to FIG. 2. A flow processing diagram is depicted related to functions, operations and steps associated with obtaining information from inside a vehicle having the communications apparatus **22**, pursuant to a request from an outside source or destination that is external to the vehicle. Generally, in accordance with this representative example, the source or remote stations is seeking vehicle information related to vehicle position and engine speed. Such information is in the form of data obtained from the GPS subsystem **26** and the OBD-II subsystem **32**. The GPS subsystem **26** has position data in the form of latitude, longitude and altitude associated with the vehicle. The OBD-II subsystem **32** includes data related to engine speed.

In this embodiment the source seeking such data develops a configuration packet **300**, which has the necessary request information including a destination, services that might be

invoked, and data or other information being requested. In this example, the configuration packet **300** may be defined as having a number of fields that convey what is being requested by the source. The configuration packet **300** can include information related to the identity of the disparate subsystem from which data is being requested, such as the GPS disparate subsystem **26**. Associated with this particular subsystem, the data being requested is identified in a further field, namely, the NMEA conventionally identified data from the GPS subsystem **26**. As part of the GPS field, it may have a number of sub-fields that particularly identify GPS parameters, such as one or more of latitude, longitude and altitude as part of the data transfer from the vehicle to the source. For one or more reasons including security, the configuration packet **300** also requests that the returned data from the vehicle be encrypted so that this service request is also part of the configuration packet **300** and can have an identifier (Id 1) associated with it. In conjunction with the encryption request, a key accompanies the configuration packet **300** related to how the data being obtained is to be encrypted. A further service being requested with this data transfer, for one or more reasons such as the amount of the data being requested, the configuration packet **300** also has a compression service request by which the requested data will be compressed before sending from the vehicle to the source. An identifier (Id 2) can also be associated with this particular service request for any desired identification purpose. As part of this service, the source can perhaps select one or more algorithms that would be utilized in providing the compression and such as identified in one of the fields of the configuration packet **300**.

As previously noted, the data being requested is not only from the GPS subsystem **26** but also from the OBD-II subsystem **32**. Thus, the configuration packet **300** also includes similar fields to identify the particular subsystem from which data is being requested (OBD-II subsystem **32**), together with the particular data, such as engine speed. In this example, this data is also to be encrypted and compressed using the same key and algorithm associated with the GPS data.

After the configuration packet **300** has been prepared, it can be transmitted, including wirelessly, from the source to the vehicle. In a preferred embodiment, the transmission of this configuration packet **300** utilizes the Internet and with at least the vehicle to which the configuration packet **300** is being sent having an Internet address, which accompanies the configuration packet **300**. The recipient device in the vehicle of such a configuration packet is the wireless device or cellphone **64**, as well as a wireless modem associated therewith. The configuration packet **300** from the Internet using TCP/IP is received by the TCP/IP subsystem or protocol stack **24**. This subsystem can handle and act on the received configuration packet **300** including recognition of the associated address. In direct communication is the TCP/IP manager **110** which reads the configuration packet **300**. Upon such reading, among other things, it is recognized that the configuration packet **300**, given its request, is appropriate for functions to be performed by the flow manager **192** of the common module **90**. Hence, the configuration packet is also sent to the flow manager **192**.

As part of this operation description for obtaining such data, the configuration packet **300** is applied to the security manager **184** of the common module **90**. The security manager **184** is used in determining whether or not the source, together with the information being requested, has authorization to use the communications apparatus **22** and obtain the requested information. In that regard, the security manager **184** may utilize a list, which identifies authorized users and/or what information or other accessing this user (source) might be entitled to. Based on this checking, the security manager **184** determines that this request from the identified source is authorized. This determination allows the common module **90** and necessary managers **100** to continue their task in connection with satisfying the contents of the configuration packet **300**.

In view of the data being requested, a stream API is to be employed in transferring, the requested data. In conjunction with that, the TCP/IP manager **110** creates a TCP/IP child process **310** that will be involved in sending the requested data from the vehicle using a socket interface associated with the TCP/IP subsystem **26**. When created, the TCP/IP child process **310** is registered with the common module **90** using the base manager **170**. Thus, for this particular data transfer, this dynamically created process and identifier is involved with the TCP/IP transfer, while other TCP/IP transfers could be accomplished under management/control of the TCP/IP manager **110**.

With respect to the configuration packet **300** being sent to the flow manager **192** and its responsibilities, upon reading the configuration packet **300**, the flow manager **192** recognizes that GPS data and OBD-II data are being requested. The flow manager **192** generates a message including a request to the GPS manager **112** by which the data being requested from the GPS subsystem **26** can be obtained. In that regard, the GPS subsystem **26** is inputting the NMEA data to the GPS manager **112**, which data can be readied for transfer along a determined path. In that regard, the flow manager **192** is also involved with satisfying further requirements related to the data transfer including the compression and the encryption services that were requested. Furthermore, because in this example OBD-II data is also being requested, the flow manager **192** is used in generating a meta-child process **320** for desirably enabling and facilitating the two sets of data transfer. The meta-child process **320** is also registered using the base manager **170** with the common module **90**. The meta-child process **320** acts as a handler and is otherwise responsible for managing the obtaining of GPS data and the OBD-II data. Accordingly, a GPS data stream is provided to the meta-child process **320**. Similarly, the requested engine speed data from the OBD-II subsystem **32**, in the form of a data stream is handled by the meta-child process **320** through the OBD-II manager **118**.

Continuing with a description of this example of operation, the flow manager **192** is also involved with the spawning of a compression agent or child process **330** and an encryption agent or child process **340**. Each of the compression agent/child process and encryption agent/process **330**, **340** are registered with the common module **90**. Like the stream API that is established for transferring the GPS data using the meta-child process **320**, a stream API is utilized in transmitting the combination of GPS and OBD-II data using the compress child process **330** from the meta-child process **320**. The compression child process **330** has responsibility for compressing the GPS and OBD-II data using the compression operation or algorithm identified in the configuration packet **300**. This compressed combination of data can then be encrypted using the encrypt agent or encryption child process **340**, as the compressed data under a stream API connection interface is received by the encryption child process, **340**. This child process **340** encrypts the two sets of data using the supplied key from the configuration packet **300**. The compressed and encrypted GPS and OBD-II data can then be sent wirelessly to the requesting source under the management/control of the TCP/IP child

process **310** through the TCP/IP subsystem **26**, with reliance on the same Internet technology and wireless technology that provided the request from the source in the form of the configuration packet **300**.

As can be appreciated, numerous variations and adaptations can be implemented utilizing the basic architecture of the common module **90** and the managers **100**. For example, instead of the flow manager **192** spawning the compression agent **330** and the encryption agent **340**, the compression service manager **210** and the encryption service manager **214** could take responsibility for the requested compression and encryption functions. Instead of the described usage or reliance on the flow manager **192**, the TCP/IP manager **110** and/or GPS manager **112** could have more managerial responsibility related to the processing and flow of the requested data. The GPS manager **112** might be involved in the spawning of the meta-child process **320**. The TCP/IP manager **110** may send the configuration packet **300** to the GPS manager **112**. Alternatively, instead of the essentially dynamic routing that occurs through the receipt and use of the configuration packet **300** by the communications apparatus **22**, an alternative kind of routing involving the communications apparatus **22** might be based on the use of one or more port numbers. From the identified port number associated with the communications apparatus **22**, the input request may be routed directly to that port. Similarly, a communications apparatus destination identification may be provided to the communications apparatus **22**, which is mappable to a particular component of the communications apparatus **22**.

In further understanding and/or disclosing the inventions, particularly as related to selection of desired communication links or channels, U.S. Ser. No. 08/778,897 filed Jan. 3, 1997 is hereby incorporated by reference in its entirety.

Based on the foregoing description, it is seen that the communications apparatus **22** provides a software framework for the development of complex communication systems. It provides a set of core APIs that provide communication primitives and also service advertisement, data broadcast and multi-cast and event synchronization. The communications apparatus **22** permits dynamic plug-and-play registration and de-registration from it which provides for a completely dynamic and run-time configurable architecture. The architecture provides a simple set of APIs for communication systems development. The architecture may be easily extended with new drivers and applications. The communications apparatus **22** has a dynamic feature in that software components may engage and disengage from it when desired. The communications apparatus **22** has a transparency feature in that components are decoupled through the message-passing architecture. The architecture promotes software reuse through standard components that provide intergrowth functionality. The communications apparatus **22** enhances platform independence, particularly by the use of the POSIX layer of a RTOS so it is portable to different operating system and hardware architectures. The communications apparatus **22** provides a framework to simplify development by providing a common interface to a variety of protocols and interfaces. A plug-and-play building block approach to systems development allows developers to quickly bring products to market using the communications apparatus **22** in addition to reducing their overall development cost. The communications apparatus **22** provides two modes of operation. An application mode allows applications connected to the communications apparatus **22** to utilize connected interfaces by means of common protocols. The second is a bridge mode that allows external applications connected to the communications apparatus **22** through one of the defined common protocols and then connect to another protocol or device to communicate. The second mode provides a bridging and routing function between different protocols where essential control exists outside the communications apparatus **22**. The communications apparatus **22** has particular applicability in a vehicular environment and serves as a router/server. In a vehicle, the communications apparatus **22** provides the ability to route between a number of different protocols and buses as well as manage one or more wireless links. Fundamentally, in the vehicular environment, the communications apparatus **22** bridges disparate vehicular buses to permit resource and information sharing, bridges vehicular buses and one or more wireless links, allows for dynamic selection of wireless links and bridges between consumer/entertainment buses. Particularly in the context of vehicle applicability, the communications apparatus **22** of the present invention facilitates the following applications: data logging/reduction, vehicle diagnostics, fuel management, engineering data gathering and/or processing, vehicle location and mobile office features. The communications apparatus **22** has enhanced the interoperability in the communications field by enabling communications among non-standard and standards-based technologies. The communications apparatus **22** not only interprets the variety of protocols used within a vehicle but allows Internet protocol capability to be conveyed over a variety of wireless network standards. Applications for the communications apparatus **22** can be developed using software libraries associated with the communications apparatus **22**.

The communications apparatus **22** allows direct connection to vehicular signals such as by way of the CAN, RS232 and Ethernet. Application software can be developed to poll, filter, collect, process and store data collected from the vehicular network. The communications apparatus **22** can issue commands to such bus interfaces for interrogation and control of peripheral bus-connected devices, such as the GPS or an engine control module. Almost any local bus can be accommodated using suitable hardware and software. Proprietary bus or data-gateway interfaces can be developed for special applications. The communications apparatus **22** can also be configured as a gateway between multiple vehicular local buses to allow the various elements that communicate with each other. Some examples of vehicular data sources are transponders, sensors, timers, engine control components, operator data interfaces, as well as the GPS. Data from the host sent to the vehicle to communicate with the operator, provide GPS information, run diagnostic routines, reconfigure data collection routines, download code and run executable software. Analog and digital signals are acquired using vehicular networks or common serial interfaces. Some vehicular networks also include short range wireless LANs for data collection and user interface requirements.

A further enhancement of the present invention is next described with reference to FIG. 3. In an embodiment utilizing the technology of FIG. 3, communications involving a number of communication apparatuses **22** located, for example, in a number of vehicles are facilitated. Such an embodiment has particular utility in the context of a number of vehicles owned/operated by the same entity. This application may involve a vehicle fleet entity having a number of vehicles, with each of the vehicles being monitored, as well as supplying information to them.

Functions and objectives related to managing such embedded computer apparatuses **22** within a fleet of vehicles

include: properly and securely reconfiguring software on the communications apparatus 22; properly and securely updating software on each such apparatus 22; diagnosing problems associated with each communications apparatus 22; and monitoring operation and routinely providing status information associated with each computer apparatus 22.

To achieve these objectives and functionalities, FIG. 3 illustrates a system 300 characterized by a management portal apparatus or module 310. The portal apparatus 310 is separate and remote from each of a plurality of communications apparatuses 22a, 22b . . . 22n. The portal apparatus 310 communicates with each of the communications apparatuses 22a–22n, which may be embedded in different vehicles and constitute a fleet of vehicles, by means of a wireless network 314. The wireless network 314 can include the Internet 320 and its associated technology.

The system 300 also includes one or more vehicle fleet subsystems 324a . . . 324n. Each of these fleet subsystems 324 is typically located at the facility of a particular vehicle fleet owner/operator. Each fleet subsystem 324a . . . 324n can include fleet manager hardware and software (processing and controlling capabilities), 330a–330n, respectively. Such hardware and software is involved with managing the communications, such as requests and commands, or otherwise controlling the flow of information related to the member/vehicles in the vehicle fleet or set. By way of example only, the fleet manager 330a may manage one or more of the vehicles having some of the communications apparatuses 22a . . . 22n, while the fleet manager 330n may be involved in managing others of the vehicles having different ones of the communications apparatuses 22a–22n. With regard to maintaining or storing data or other information related to the vehicles that they manage using the respective communication apparatuses 22, each fleet subsystem 324 communicates with and has responsibility over a fleet data memory or storage 334, which is part of the particular fleet subsystem 324. Each such fleet data memory 334a . . . 334n can store data obtained from the vehicles in the fleet for later access and use, particularly evaluation and analysis, such as in the context of monitoring vehicle data related to proper operation of the vehicle.

With respect to communications with one or more fleet vehicles of a particular fleet subsystem 324, the Internet 320 is preferably involved by which each such fleet subsystem 324 can access the portal apparatus 310. In providing services and functionalities requested by the fleet subsystems 324, the portal apparatus 310 acts as a web-based interface or middle-ware component useful in managing one or more devices in each vehicle of the fleet and monitoring them for proper operation. Generally, the services and functions of the portal apparatus 310 can be construed as involving data management or system management. The tasks and operational steps associated with data management that can be conducted involving the portal apparatus 310 can be as varied and ubiquitous as necessary for the fleet entity's requirements. Since system management is less diverse (customization for a particular fleet subsystem 324 not as prevalent), the system operation of the portal apparatus 310 can be described more completely.

The portal apparatus 310 is a "port-of-entry" for access to fleet information. The portal apparatus 310 provides a web-based interface to a particular set of information and allows authorized personnel to review information on their respective communications apparatuses 22. Additionally, updated and/or new software can be identified that is of relevance to the particular fleet (new or updated managers, more than trivial software bug-fixes, etc.). The portal apparatus 310 provides a web-based interface such that the communications apparatuses 22 in the field can be scheduled for remote maintenance whether software and/or configurations are updated based on the desires of the particular fleet owner/operator. The portal apparatus 310 can also act as a notification service provided such that fleet managers 330a . . . 330n are notified of issues when they occur. This is in addition to the previously noted functionalities such that managers can browse assets as well as set triggers for automatic notification. The portal apparatus 310 includes a fleet management system 340 in the form of appropriate hardware and software involved in managing or controlling communications with the communications apparatuses 22 in vehicles of one or more fleets, together with communications involving the one or more fleet subsystems 324. The portal apparatus 310 also includes a central fleet data memory or storage 334 that contains parsed information received from the numerous communications apparatuses 22. The information is received in a variety of forms, depending upon the link device used within the communications apparatus 22, such as e-mail via pager, stream socket via CSC, etc.

With regard to reconfiguration updates, each communications apparatus 22 is a highly configurable unit that permits the execution of numerous applications satisfying a number of different requirements. The ability to reconfigure applications at any time is a challenge since vehicles can be located anywhere in the country, depending upon the customer. Hence, there is a need to remotely reconfigure and/or update software on one or more communications apparatuses 22 safely without creating the need for hands-on access to the particular communications apparatus 22. In conjunction with achieving this objective, a "transaction-based" solution is utilized to insure the integrity of the particular communications apparatus 22 after any change has occurred. In providing a new configuration or software update, it is preferably sent as a single file from the portal apparatus 310 to the one or more selected communications apparatuses 22 through the wireless network 314. The single transfer involving all updates for a particular communications apparatus 22 better avoids missing one or more files due to communication or user error. Once the updated information (different configuration of software) arrives at the particular communications apparatus 22, it is verified. Such a verification can be accomplished using a checksum or other integrity checks. After doing so, the update is applied to the particular communications apparatus 22. Applying the new configuration or update is performed in a secure fashion whereby changes are not immediately applied to active files in the communications apparatus 22 but instead to mirrors of the targeted files. In that regard, the configuration manager 180 is responsible for updating software and/or a configuration for a particular communications apparatus 22. Upon receiving the new configuration or software update, the configuration manager 180 is responsible for extracting changes from the configuration in the file and applying them to the communications apparatus 22 in a shadow or mirror form. Once application of the file is complete, the configuration manager 180 performs a post update check and then notifies the portal apparatus 310 that the operation was successful. More particularly, when the new configuration or software update arrives from the portal apparatus 310, the configuration manager 180 updates shadow files in the particular communications apparatus 22. Once the configuration update is approved, the configuration manager 180 migrates the shadow files to the active or current file. A post update check is made. The portal appa-

ratus **310** is notified of the successful updating. Once notified, the portal apparatus **310** is aware of the new configuration or update.

An unsuccessful reconfiguration results in file histories and checksums being sent back to the portal apparatus **310** in order to reconstruct the update process and provide another configuration to bring the particular communications apparatus **22** up to the desired revision. The update process can be customer driven, based on updated software for new requirements, or by the recommendation of the portal apparatus **310**. The portal apparatus **310** is aware of which communications apparatuses **22** use a particular revision of software. In that regard, the configuration manager **180** has the capability to interrogate a communications apparatus **22** and identify the revision(s) of software and configuration being used by that particular communications apparatus **22**.

The system **300** also has the capability where components thereof may be applied with an indication of their priority or need for update. With that information, the portal apparatus **310** can automatically notify the fleet owner/operator of changes that were incorporated. Such notification could include what needs to be changed and the objectives sought to be served by making the changes, such as bug-fixes, new functions, etc. Based on the notification, the fleet manager **330** of a particular fleet subsystem **324** could then direct the portal apparatus **310** to update one or more communications apparatuses **22** within the domain of that fleet subsystem **324**. Such a process involving automated updating and notification would require dependency analysis to understand the dependencies among components for proper operation, but the process could also be automated to integrate customers into the evolution of the software.

Further functionality associated with the portal apparatus **310** involves the gathering of diagnostic and operational data from the communications apparatuses **22**. Such data enables the system and its users to understand how the communication apparatuses **22** are used and under what conditions, which information is beneficial in optimizing and enhancing its operation and functionality. Diagnostic data for such purposes can be emitted in a special compressed form to the portal apparatus **310** whereby the operations of the communications apparatuses **22** in the field are monitored and corrective actions can be taken when data indicates that such corrections are necessary or appropriate.

In connection with taking responsibility for handling diagnostics data, the diagnostics manager **182** is involved in collecting and relaying diagnostic data from the communications apparatus **22** to the portal apparatus **310**. More particularly, within the communications apparatus **22** as the managers are made aware of activities that are not normal or need to be reported (time-outs expired, resources unavailable, etc.), they notify the diagnostics manager **182**. At the same time, the diagnostics manager **182** is collecting secondary data such as current available memory, temperature of the communications apparatus **22**, process load, altitude, current time, as well as other relevant information. This data is compressed such that its transmission does not overload the available communications link. In that regard, the diagnostics manager **182** must also be configurable to limit data and emission when links, such as pager devices, are used. Each data piece can be accompanied by a severity indicator (informational, warning, error, etc.) so that the diagnostics manager can limit their emission when desired.

Diagnostic data can come in many forms and the diagnostics manager **182** receives data from operating managers as well as collecting parameters itself from pertinent parts or components of the communications apparatus **22**. Collected events or other information are compressed to do a stream that, on a periodic basis or depending upon severity of the event, are transmitted to the portal apparatus **310**. The diagnostics manager **182** based upon the configuration of the particular communications apparatus **22** also filters the events. For example, in a communications apparatus **24** that has routine access to a CDPD connection, all events may be emitted including informational and warning messages. In a communications apparatus **22** that has only access to a two-way pager device, only critical and error events are emitted to reserve bandwidth for actual applications.

The result from the particular communications apparatus **22** is a fusion of data from numerous applications into a compressed stream of data that can be later decompressed and automatically parsed and archived at the fleet data memory **334** or central storage **344** of the portal apparatus **310**. The stream represents a history of the operation of the particular communications apparatus **22** that can be used to reconstruct the occurrence of a failure or intermittent problem within the communications apparatus **22** to identify its cause. The benefit relates to the ability to correlate an error that appears in one communications apparatus **22** with other such communication apparatuses **22** that function similarly. Based on such a mass of information, errors or other unwanted functioning can be better handled

Related to obtaining diagnostics data from one or more communications apparatuses **22** is the handling of such received data by the portal apparatus **310**. The majority of such data represents informational events that are simply logged within the portal apparatus central memory or database **344**. An error of one or more events can be flagged for review or e-mail could be generated to inform a recipient through event filtering and notification of a critical event that requires immediate attention. The particular fleet subsystem **324** could also be notified so that it is up-to-date on the status of its fleet. The portal apparatus database **344** is both hierarchical and temporal in nature. At an upper level are the identified fleets. At lower levels and associated therewith are the particular vehicles within the fleet and their specific configuration information. For each vehicle, the event stream represents a temporal line identifying the activities of the particular communications apparatus **22** during its life. Data mining could also be employed to identify relationships within the data to better understand the causes of intermittent problems. A further aspect related to the portal apparatus **310** could include providing developer access to software assets of one or more communications apparatuses **22**. The assets might include updated software, new APIs, technical notes and errata. Developers could browse publicly available lists that identify problems for use in arriving at solutions, as well as download new managers and interface header files for their internal development. The portal apparatus **310** could also provide technical information for the development of communications apparatus software to globally spread and share useful information.

The foregoing discussion of the invention has been presented for purposes of illustration and description. Further, the description is not intended to limit the invention to the form disclosed herein. Consequently, variations and modifications commensurate with the above teachings, within the skill and the knowledge of the relevant art, are within the scope of the present invention. The embodiments discussed hereinabove are further intended to explain the best mode known of practicing the inventions and to enable others skilled in the art to utilize the inventions in such, or in other

embodiments and with the various modifications required by their particular applications or uses of the inventions. It is intended that the appended claims be construed to include alternative embodiments to the extent permitted by the prior art.

What is claimed is:

1. A method involving the transmission of information, comprising:

providing a communications apparatus located in a vehicle and that includes:

a plurality of common module managers including: a flow manager that manages data flow using components, a security manager that monitors connections outside said communications apparatus, a configuration manager that performs configuration tasks including downloading applications and also including at least one of: a compression manager that compresses information and an encryption manager that encrypts information; and

at least first, second, third and fourth disparate subsystem managers;

providing at least first, second, third and fourth disparate subsystems;

conducting a first operation including:

sending a first message from said first disparate subsystem to said first disparate subsystem manager, said first message including identification information of said second disparate subsystem manager and a first request for first information involving said second disparate subsystem manager;

receiving said first request by said first disparate subsystem manager;

providing at least information related to said first request to said second disparate subsystem manager;

accessing said first information from said second disparate subsystem in communication with said second disparate subsystem manager;

transmitting said first information using said second disparate subsystem manager;

wherein said first operation is conducted using at least two of said common module managers and in which each of said at least two common module managers are different from said compression manager;

conducting a second operation including:

sending a second message from said third disparate subsystem to said third disparate subsystem manager, said second message including a second request and identification information of said fourth disparate subsystem manager;

receiving said second request by said third disparate subsystem manager;

providing at least information related to said second request to said fourth disparate subsystem manager;

responding to said second request by said fourth disparate subsystem in communication with said fourth disparate subsystem manager;

wherein said second operation is conducted using at least two of said common module managers and in which each of said at least two common module managers is different from said encryption manager;

wherein said first disparate subsystem is required to communicate with said first disparate subsystem manager related to said first message, said second disparate subsystem is required to communicate with said second disparate subsystem manager related to said first information, said third disparate subsystem is required to communicate with said third disparate subsystem manager related to said second message and said fourth disparate subsystem is required to communicate with said fourth disparate subsystem manager related to responding to said second request and each of said first, second, third and fourth disparate subsystem managers has a native interface that is different from the others to enable communications with said first, second, third and fourth disparate subsystems, respectively, and in which said common module managers are located in the vehicle, said at least four disparate subsystem managers are located in the vehicle and said at least four disparate subsystems are located in the vehicle.

2. A method, as claimed in claim 1, wherein:

said step of sending said first message includes sending said first message from a site outside of the vehicle and said first disparate subsystem utilizes TCP/IP in communicating over the Internet using wireless technology located in the vehicle.

3. A method, as claimed in claim 1, wherein:

said first message relates to a configuration packet including packet information related to a destination of said configuration packet from a source, a service related to said second disparate subsystem and said first information relates to data being obtained from said second disparate subsystem.

4. A method, as claimed in claim 1, further including:

receiving at least portions of said first request by said flow manager for managing performance of a first function related to said first information.

5. A method, as claimed in claim 4, wherein:

said managing performance step includes generating a child process that is involved with one of the following: encryption of said first information by said encryption manager and compression of said first information by said compression manager.

6. A method, as claimed in claim 3, further including:

receiving by said security manager said configuration packet and said security manager for use in determining access availability of the source associated with said configuration packet.

7. A method, as claimed in claim 1, wherein:

said step of receiving said first request includes checking for a request for service related to at least one of the following: encryption of information using said encryption manager, compression of information using said compression manager, and access to said communications apparatus related to said first message using said security manager.

8. A method, as claimed in claim 7, wherein:

said checking step includes reading a configuration packet associated with said first message.

9. A method, as claimed in claim 1, further including:

producing a child process by said flow manager related to one of: encrypting said first information using said encryption manager and compressing said first information using said compression manager.

10. A method, as claimed in claim 1, wherein:

said producing step includes providing a metachild process that is involved in obtaining said first information from said second disparate subsystem and also obtaining second information from a fifth disparate subsystem.

11. A method, as claimed in claim 10, wherein:

said step of providing said metachild process includes creating said metachild process using said flow manager of said communications apparatus.

12. A method, as claimed in claim 1, further including:

creating a first child process that is part of a communications connection related to receiving said first information using said second disparate subsystem manager;

producing a second child process, and

registering said first and second child processes using abase manager and de-registering said first and second child processes.

13. A method, as claimed in claim 1, further including:

registering said first and second disparate subsystems before said step of sending said first message.

14. A method for providing information among a plurality of disparate subsystems using a plurality of managers and a common module, comprising:

registering at least first, second and third disparate subsystem managers using a base manager of said common module, said first disparate subsystem manager being in communication with a first disparate subsystem, said second disparate subsystem manager being in communication with a second disparate subsystem and said third disparate subsystem manager being in communication with a third disparate subsystem, said first, second and third disparate subsystems include: a wireless communications device, transmission control protocol/Internet protocol (TCP/IP) and one of the following: a security manager that monitors external applications attempting to connect to at least one of said first, second and third disparate subsystem managers, a flow manager that enables communications involving at least one of said disparate subsystem managers, and a configuration manager that performs configuration tasks;

obtaining first information from said first disparate subsystem using said first disparate subsystem manager, said obtaining step includes creating a first child component process using at least said second disparate subsystem manager and registering said first child component process using said base manager;

sending said first information from said first disparate subsystem;

transmitting second information using said third disparate subsystem manager to an external application; and

creating a second child component process and registering said second child component process using said base manager;

wherein each of said registering steps includes associating an identifier with each of said first, second and third disparate subsystem managers and associating an identifier with each of said first and second child component processes.

15. A method, as claimed in claim 14, wherein:

said obtaining step includes requesting said first information from said first disparate subsystem using a first common communications protocol associated with said common module.

16. A method, as claimed in claim 14, wherein:

said sending step includes sending said first information continuously using a stream application programming interface (API) substantially independent of request and response messaging.

17. A method, as claimed in claim 14, wherein:

said second information includes said first information.

18. A method, as claimed in claim 14, further including:

gathering information by a portal apparatus from a number of vehicles associated with a fleet of vehicles operated by a first entity, each of said number of vehicles having a communications apparatus and said portal apparatus communicating with each said communications apparatus using a first communications network and said portal apparatus being located remotely from each of said number of vehicles.

19. A method, as claimed in claim 14, wherein:

said second child component process is related to said second information.

20. A system for providing communications in a vehicle, comprising:

a plurality of disparate subsystems located in the vehicle and including a protocol stack, a global positioning system (GPS), voice recognition (VR) and at least one of: an intelligent transport system data bus (IDB) and a controller area network (CAN); and

a communications apparatus operatively connected to each of said disparate subsystems that enables communications between them, said communications apparatus including:

at least four disparate subsystem managers and each of said disparate subsystems being dedicated to one of said at least four disparate subsystem managers, wherein each of said disparate subsystems communicates with its dedicated disparate subsystem manager and any communication involving a particular one of said disparate subsystems requires communication with said disparate subsystem manager to which said particular one disparate subsystem is dedicated, at least some of said disparate subsystem managers provide messages to others of said disparate subsystem managers, respond to messages from others of said disparate subsystem managers and create connections with others of said disparate subsystem managers; and

at least four common module managers, wherein each of said at least four disparate subsystem managers uses a common communications protocol when communicating with each of said at least four common module managers and each of said disparate subsystems communicates with its dedicated disparate subsystem manager using a native interface that is different from native interfaces of the others of said at least four disparate subsystem managers, and in which each of said at least four disparate subsystem managers, each of said disparate subsystems and each of said at least four common module managers is located with the vehicle.

21. A system, as claimed in claim 20, wherein:

said disparate subsystems further include a plurality of the following: an analog-to-digital converter in communication with at least one hardware device, a standard serial bus in communication with a plurality of devices located in the vehicle and a universal serial bus (USB) in communication with computer hardware.

22. A system, as claimed in claim 20, wherein:

said at least four common module managers are part of a common module, including a processor core, that is involved with registering components, including said at least four disparate subsystem managers.

23. A system, as claimed in claim 20, wherein:

said common communications protocol includes at least one of the following: a stream mode of operation in which a stream applications programming interface (API) is used to send data continuously and a request/response mode of operation using a bus applications

programming interface (API) in which information is transmitted by responding to a request from at least one of said disparate subsystem managers.

24. A system, as claimed in claim **20**, wherein:

said communications apparatus includes a bridge mode of operation in which control of information transfer resides substantially externally of the vehicle and an application mode of operation in which control of information transfer resides substantially within the vehicle.

25. A system, as claimed in claim **20**, wherein:

said at least four disparate subsystem managers includes a first disparate subsystem manager and a second disparate subsystem manager and in which a first child component process is created using at least one of said first and second disparate subsystem managers to establish a connection between them.

26. A system, as claimed in claim **20**, wherein:

said at least four common module managers include four of the following: a base manager used in registering said disparate subsystems, said at least four disparate subsystem managers and said a least four common module managers, a security manager for monitoring external applications attempting to connect to said communications apparatus, a link selection manager for providing an acceptable network link for transmitting and/or receiving information wirelessly relative to the vehicle, a flow manager for enabling communications involving three of said at least four disparate subsystem managers, a compression manager for compressing data for transfer, and an encryption manager for encrypting data before transfer.

27. A system, as claimed in claim **20**, further including:

a portal apparatus located remotely from the vehicle and in communication with said communications apparatus using wireless technology.

28. A method for communicating with a number of vehicles, comprising:

providing a plurality of communications apparatuses including a first communication apparatus and a second communications apparatus, each of the number of vehicles having a different one of said plurality of communications apparatuses;

providing at least a first fleet management subsystem that manages at least a plurality of the number of vehicles in the fleet;

providing a portal apparatus located remotely from each of said fleet management subsystem and each of said plurality of communications apparatuses;

providing a first communications network by which said portal apparatus communicates with each of said plurality of communications apparatuses and a second communications network by which said portal apparatus communicates with said fleet management subsystem;

maintaining information by said portal apparatus related to an identity of software being used by each of said communications apparatuses and in which said identity of software for said first communications apparatus is different from said identity of software for said second communications apparatus;

updating software in each of said plurality of communications apparatuses by said portal apparatus;

obtaining vehicle operational data from each of said plurality of communications apparatuses by said portal apparatus;

storing said vehicle operational data in memory of said portal apparatus;

gathering diagnostic data from each of said communications apparatuses by said portal apparatus;

storing said diagnostic data in said memory of said portal apparatus;

notifying said first fleet management subsystem by said portal apparatus of said identity of software being used by at least said first and second communications apparatuses; and

sending at least some of said vehicle operational data and said diagnostic data to said first fleet management subsystem by said portal apparatus.

29. A method, as claimed in claim **28**, wherein:

at least said first communications network includes the Internet.

30. A method, as claimed in claim **28**, further including:

providing a number of fleet management subsystems including said at least first fleet management subsystem and in which said at least first fleet management subsystem is notified related to said software being used by less than all of said plurality of communications apparatuses.

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(12) **United States Patent**
Flick

(10) **Patent No.: US 6,606,561 B2**
(45) **Date of Patent: Aug. 12, 2003**

(54) **VEHICLE TRACKER INCLUDING INPUT/OUTPUT FEATURES AND RELATED METHODS**

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(73) Assignee: **Omega Patents, L.L.C.**, Douglasville, GA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 42 days.

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(51) **Int. Cl.**[7] **G01C 21/00**

(52) **U.S. Cl.** **701/213**; 340/988

(58) **Field of Search** 701/213, 207, 701/209, 24, 33, 35, 36; 340/901, 989, 988, 991, 992, 993

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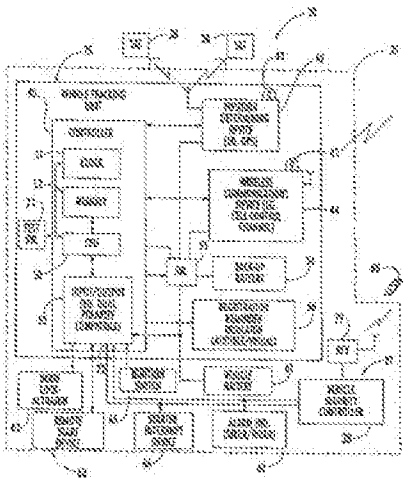
Primary Examiner—William A. Cuchlinski, Jr.
Assistant Examiner—Olga Hernandez
(74) *Attorney, Agent, or Firm*—Allen, Dyer, Doppelt, Milbrath & Gilchrist, P.A.

(57) **ABSTRACT**

A tracking system includes a vehicle tracking unit for a vehicle of a type including an alarm indicator, and a monitoring station receiving the alarm indication alert from the vehicle tracking unit. The vehicle tracking unit may include a vehicle position determining device, a wireless communications device, and a controller connected to the wireless communications device and the vehicle position determining device. The controller may cooperate with the wireless communications device to send an alarm indication alert responsive to at least one of activation of the vehicle alarm indicator continuously for greater than a predetermined time and activation of the vehicle alarm indicator in a repetitive pattern. The controller may also include a dual polarity compatible output for a vehicle device, such as the vehicle alarm indicator.

53 Claims, 10 Drawing Sheets



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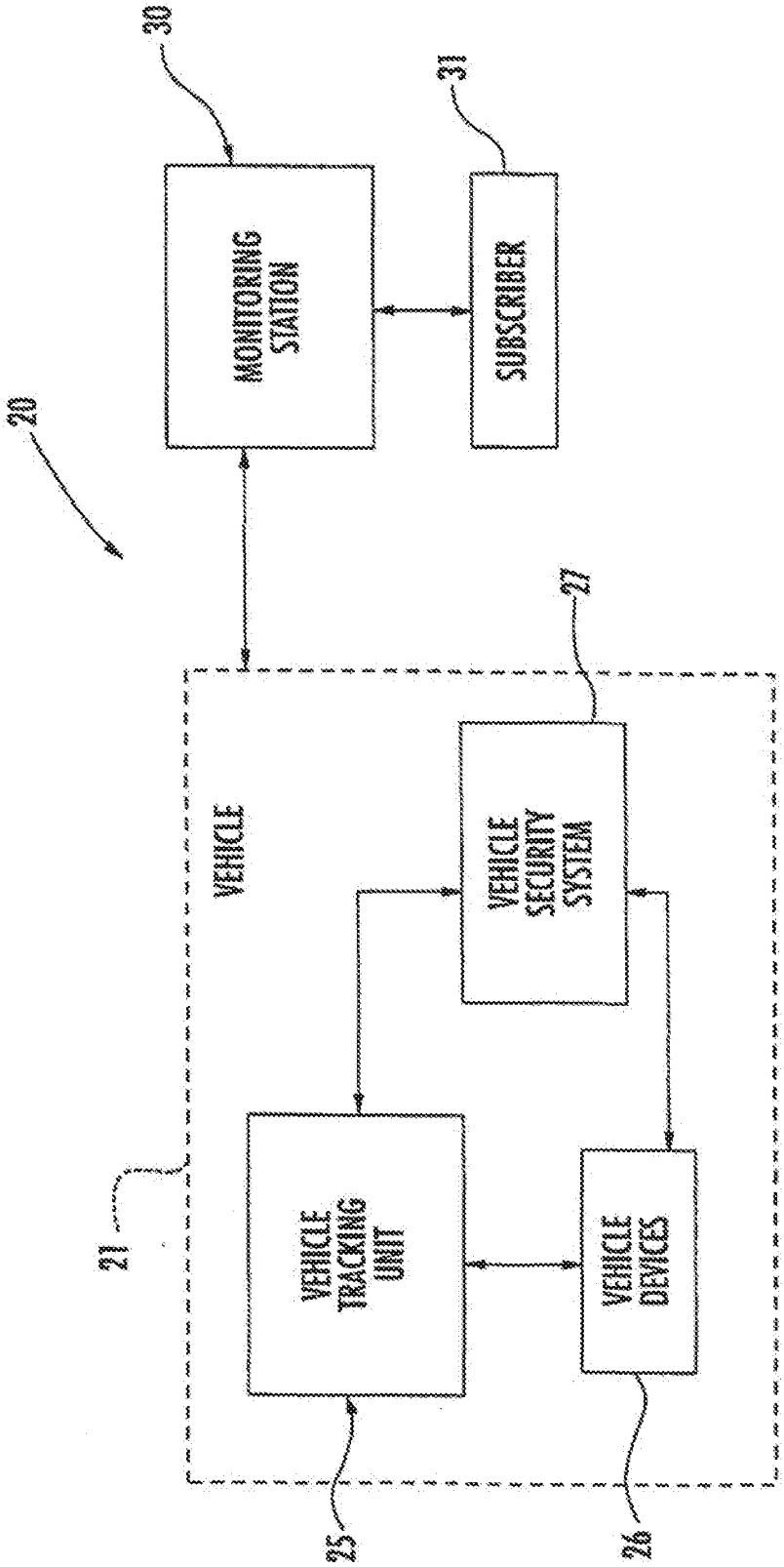
30
MONITORING STATION
31
SUBSCRIBER
20
27
VEHICLE
VEHICLE SECURITY SYSTEM
21
VEHICLE TRACKING UNIT
VEHICLE DEVICES
25
26

FIG. 1.

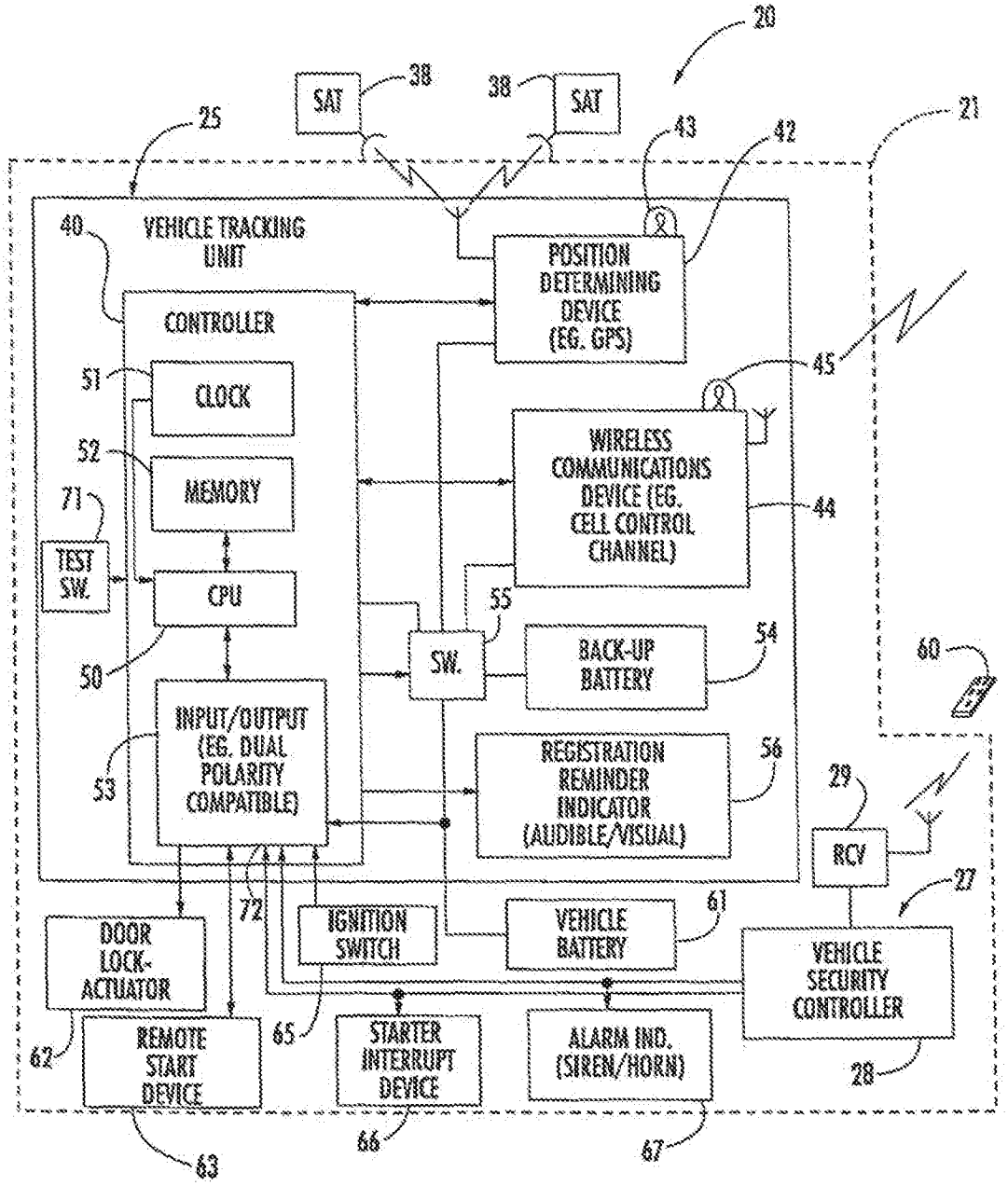
20
SAT
38
38
SAT
25
43
42
21
40
VEHICLE TRACKING UNIT
POSITION DETERMINING DEVICE (EG. GPS)
CONTROLLER
45
51
CLOCK
52
MEMORY
WIRELESS COMMUNICATIONS DEVICE (EG. CELL CONTROL CHANNEL)
44
71
TEST SW.
CPU
55
SW.
BACK-UP BATTERY
54
60
50
INPUT/OUTPUT (EG. DUAL POLARITY COMPATIBLE)
53
REGISTRATION REMINDER INDICATOR (AUDIBLE/VISUAL)
56
29
RCV
27
72
IGNITION SWITCH
VEHICLE BATTERY
61
DOOR LOCK-ACTUATOR
VEHICLE SECURITY CONTROLLER
62
REMOTE START DEVICE
65
STARTER INTERRUPT DEVICE
ALARM IND. (SIREN/HORN)
28
63
66
67

FIG. 2.

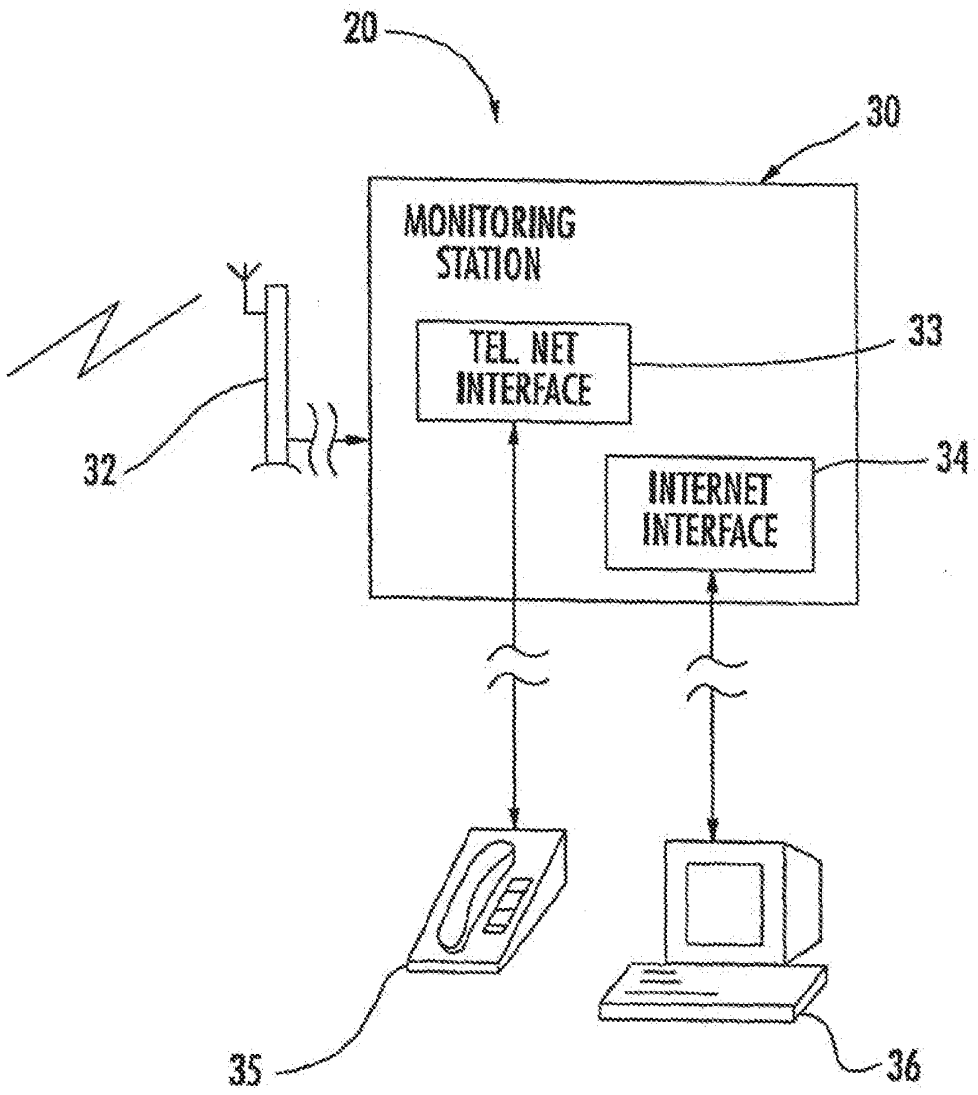
20
30
MONITORING STATION
TEL. NET INTERFACE
33
32
INTERNET INTERFACE
34
35
36

FIG. 3.

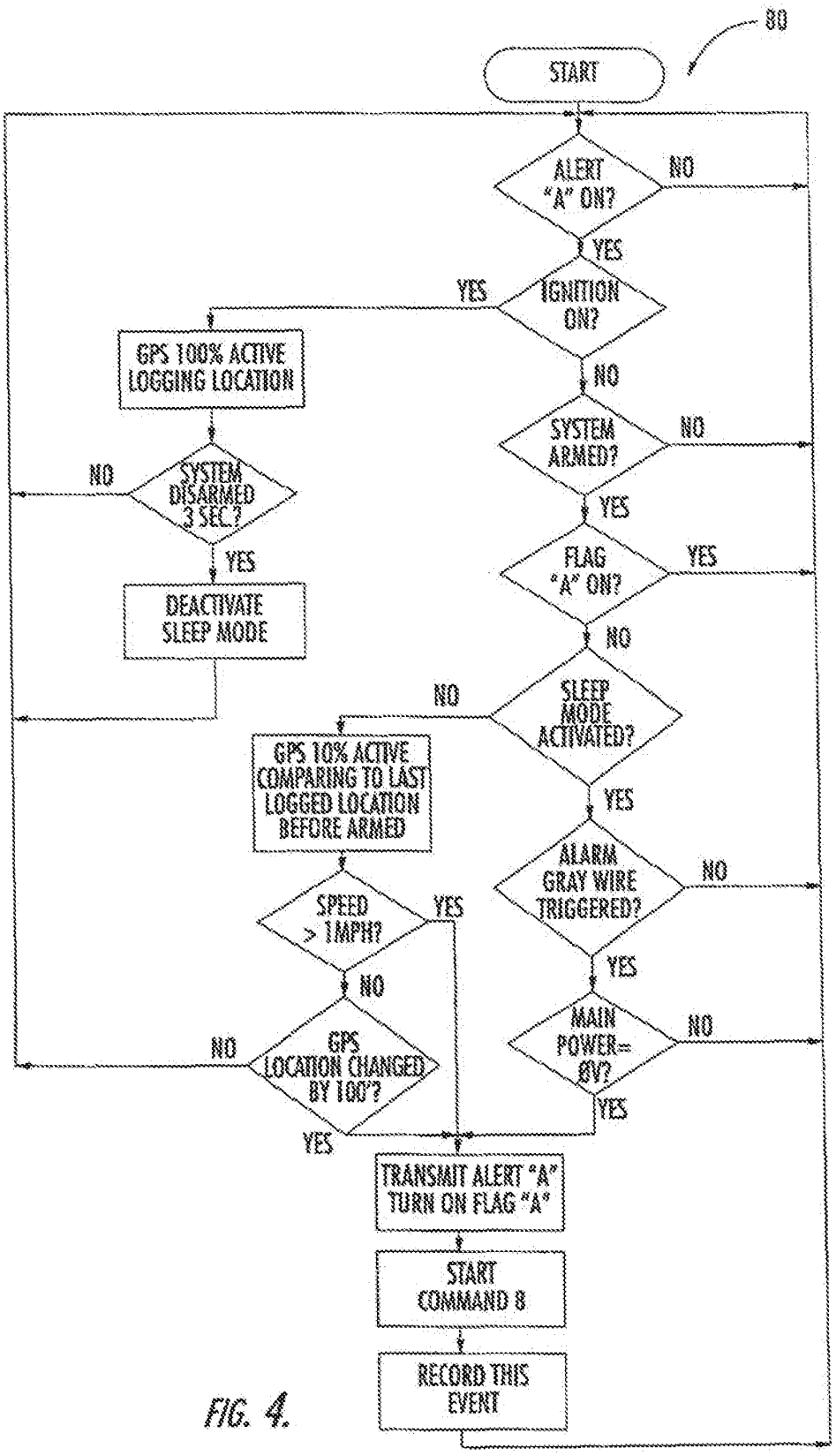
80
START
ALERT "A" ON?
NO
YES
IGNITION ON?
YES
GPS 100% ACTIVE LOGGING LOCATION
NO
SYSTEM ARMED?
NO
YES
SYSTEM DISARMED 3 SEC.?
NO
YES
DEACTIVATE SLEEP MODE
FLAG "A" ON?
YES
NO
SLEEP MODE ACTIVATED?
NO
GPS 10% ACTIVE COMPARING TO LAST LOGGED LOCATION BEFORE ARMED
YES
ALARM GRAY WIRE TRIGGERED?
NO
SPEED > 1MPH?
YES
NO
YES
MAIN POWER= 0V?
NO
GPS LOCATION CHANGED BY 100'?
NO
YES
YES
TRANSMIT ALERT "A" TURN ON FLAG "A"
START COMMAND 8
RECORD THIS EVENT

FIG. 4.

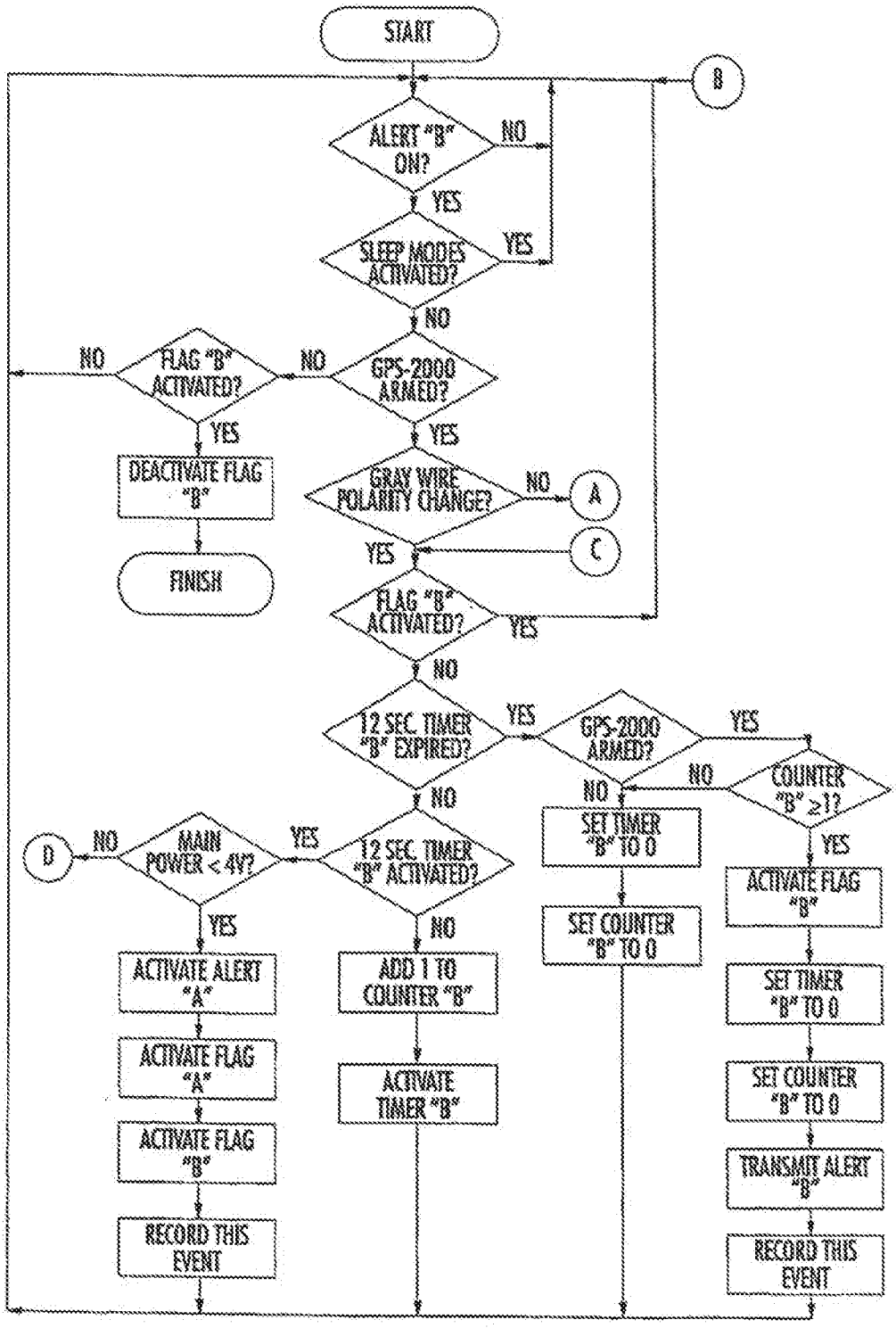
START
B
ALERT "B" ON?
NO
YES
SLEEP MODES ACTIVATED?
YES
NO
FLAG "B" ACTIVATED?
NO
GPS-2000 ARMED?
NO
YES
YES
DEACTIVATE FLAG "B"
FINISH
GRAY WIRE POLARITY CHANGE?
NO
A
C
YES
FLAG "B" ACTIVATED?
YES
NO
12 SEC. TIMER "B" EXPIRED?
YES
GPS-2000 ARMED?
YES
NO
COUNTER "B" ≥1?
NO
NO
SET TIMER "B" TO 0
SET COUNTER "B" TO 0
YES
ACTIVATE FLAG "B"
SET TIMER "B" TO 0
SET COUNTER "B" TO 0
TRANSMIT ALERT "B"
RECORD THIS EVENT
D
NO
MAIN POWER < 4V?
YES
12 SEC. TIMER "B" ACTIVATED?
YES
ACTIVATE ALERT "A"
ACTIVATE FLAG "A"
ACTIVATE FLAG "B"
RECORD THIS EVENT
NO
ADD 1 TO COUNTER "B"
ACTIVATE TIMER "B"

FIG. 5A.

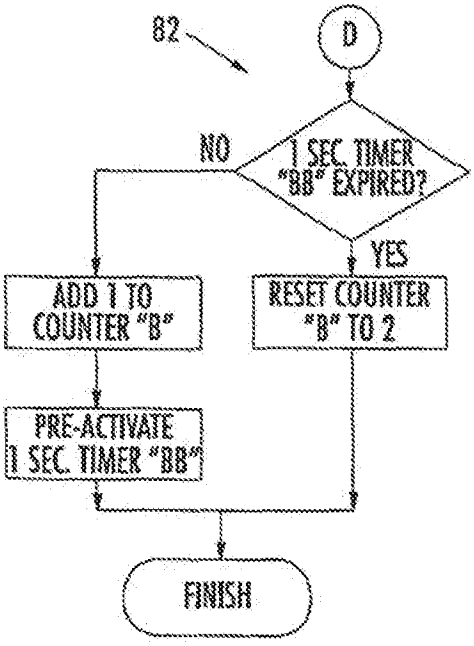
82
D
1 SEC. TIMER "BB" EXPIRED?
NO
YES
ADD 1 TO COUNTER "B"
RESET COUNTER "B" TO 2
PRE-ACTIVATE 1 SEC. TIMER "BB"
FINISH

FIG. 5B.

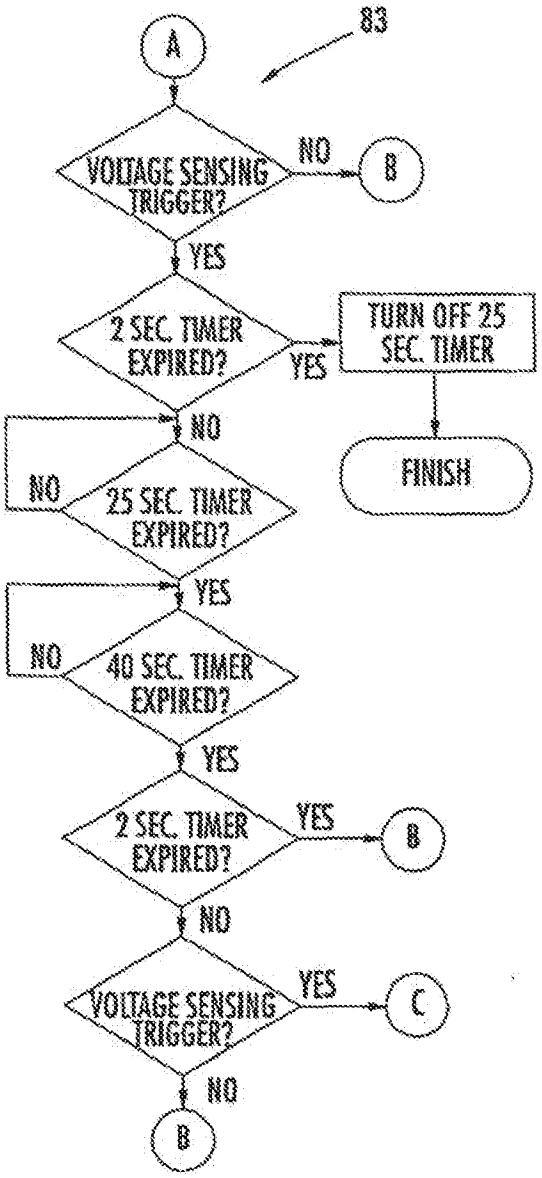
83
A
VOLTAGE SENSING TRIGGER?
NO
B
YES
2 SEC. TIMER EXPIRED?
YES
TURN OFF 25 SEC. TIMER
FINISH
NO
NO
25 SEC. TIMER EXPIRED?
YES
NO
40 SEC. TIMER EXPIRED?
YES
2 SEC. TIMER EXPIRED?
YES
B
NO
VOLTAGE SENSING TRIGGER?
YES
C
NO
B

FIG. 5C.

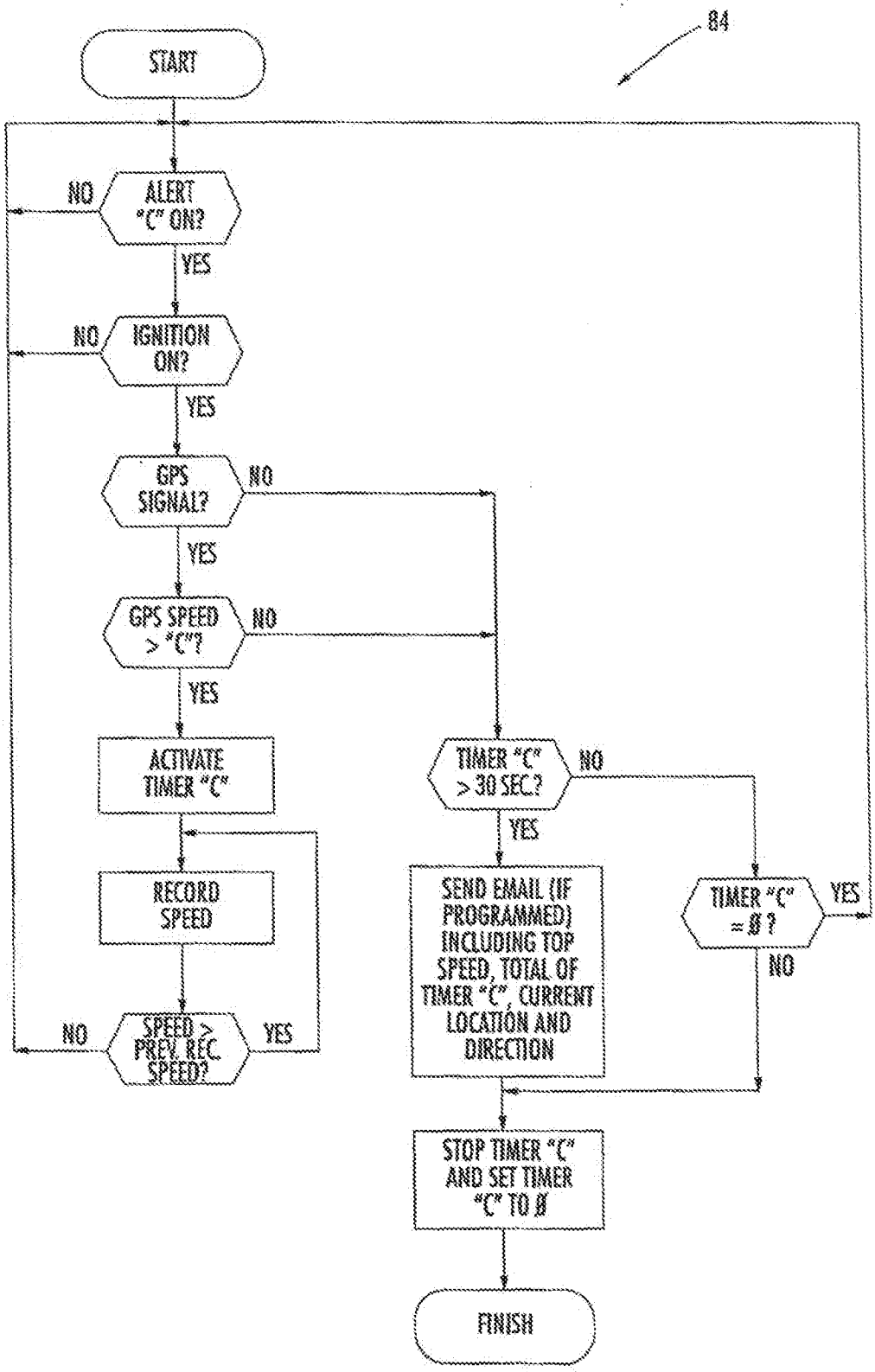
84
START
ALERT "C" ON?
NO
YES
IGNITION ON?
NO
YES
GPS SIGNAL?
NO
YES
GPS SPEED > "C"?
NO
YES
ACTIVATE TIMER "C"
RECORD SPEED
SPEED > PREV. REC. SPEED?
NO
YES
TIMER "C" > 30 SEC.?
NO
YES
SEND EMAIL (IF PROGRAMMED) INCLUDING TOP SPEED, TOTAL OF TIMER "C", CURRENT LOCATION AND DIRECTION
TIMER "C" = Ø ?
YES
NO
STOP TIMER "C" AND SET TIMER "C" TO Ø
FINISH

FIG. 6.

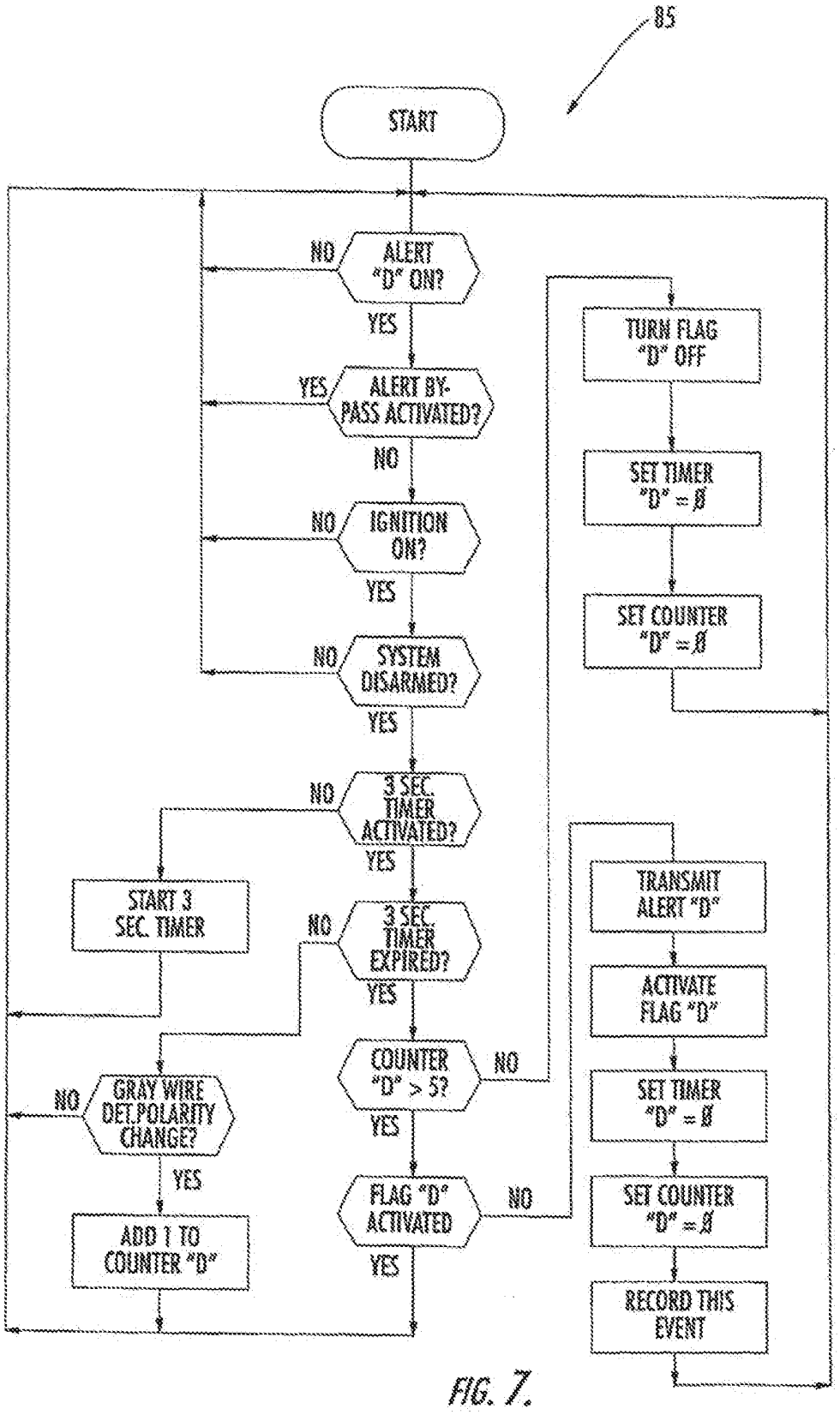
85
START
ALERT "D" ON?
NO
YES
ALERT BY-PASS ACTIVATED?
YES
NO
IGNITION ON?
NO
YES
SYSTEM DISARMED?
NO
YES
3 SEC. TIMER ACTIVATED?
NO
YES
START 3 SEC. TIMER
3 SEC. TIMER EXPIRED?
NO
YES
COUNTER "D" > 5?
NO
YES
GRAY WIRE DET.POLARITY CHANGE?
NO
YES
ADD 1 TO COUNTER "D"
FLAG "D" ACTIVATED
NO
YES
TURN FLAG "D" OFF
SET TIMER "D" = Ø
SET COUNTER "D" = Ø
TRANSMIT ALERT "D"
ACTIVATE FLAG "D"
SET TIMER "D" = Ø
SET COUNTER "D" = Ø
RECORD THIS EVENT

FIG. 7.

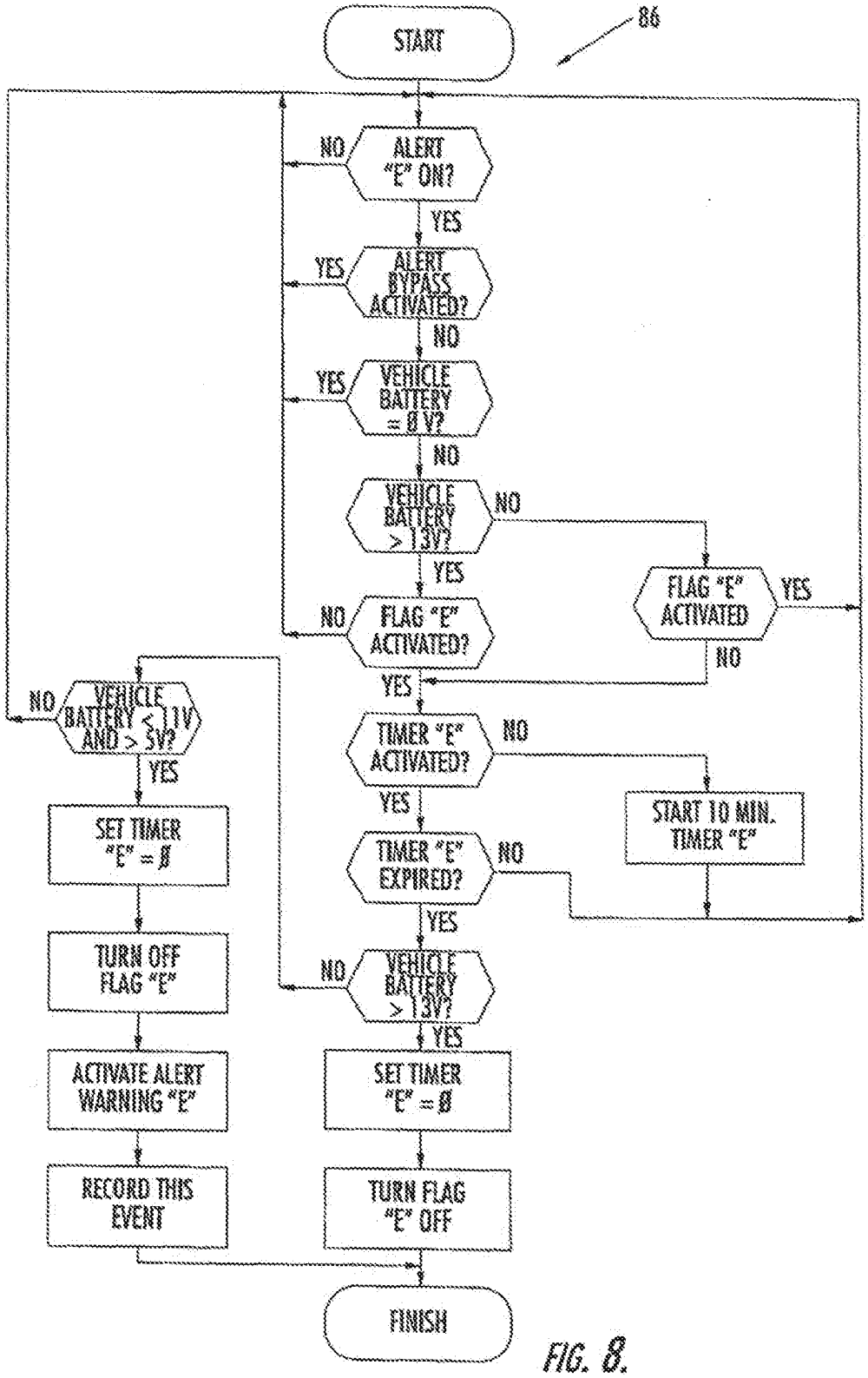
86
START
ALERT "E" ON?
NO
YES
ALERT BYPASS ACTIVATED?
YES
NO
VEHICLE BATTERY = Ø V?
YES
NO
VEHICLE BATTERY > 13V?
NO
YES
FLAG "E" ACTIVATED
YES
NO
FLAG "E" ACTIVATED?
NO
YES
VEHICLE BATTERY ≤ 11V AND > 5V?
NO
YES
TIMER "E" ACTIVATED?
NO
YES
START 10 MIN. TIMER "E"
SET TIMER "E" = Ø
TIMER "E" EXPIRED?
NO
YES
TURN OFF FLAG "E"
VEHICLE BATTERY > 13V?
NO
YES
ACTIVATE ALERT WARNING "E"
SET TIMER "E" = Ø
RECORD THIS EVENT
TURN FLAG "E" OFF
FINISH

FIG. 8.

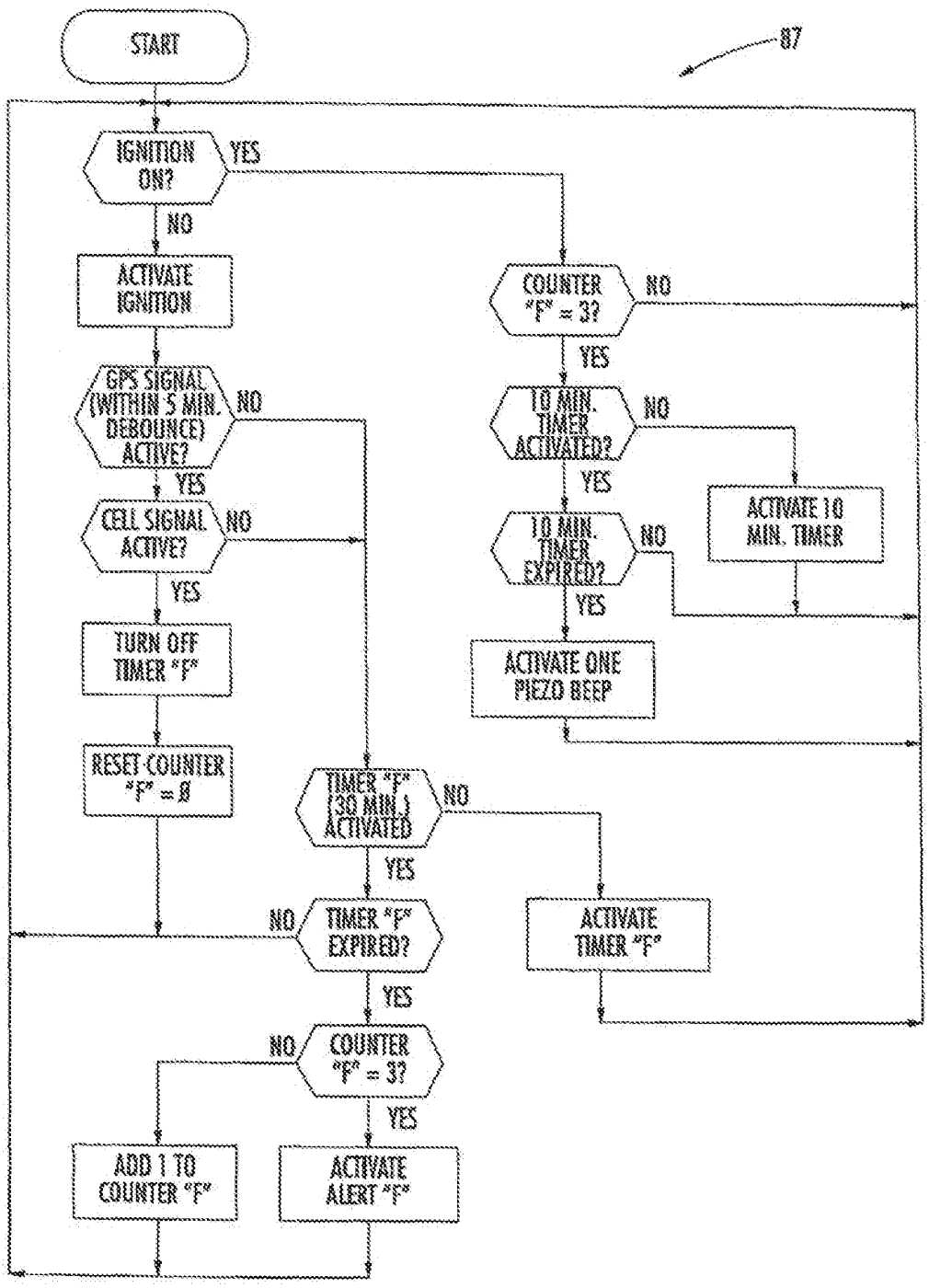
START
87
IGNITION ON?
YES
NO
ACTIVATE IGNITION
GPS SIGNAL (WITHIN 5 MIN. DEBOUNCE) ACTIVE?
NO
YES
CELL SIGNAL ACTIVE?
NO
YES
TURN OFF TIMER "F"
RESET COUNTER "F" = 0
COUNTER "F" = 3?
NO
YES
10 MIN. TIMER ACTIVATED?
NO
YES
ACTIVATE 10 MIN. TIMER
10 MIN. TIMER EXPIRED?
NO
YES
ACTIVATE ONE PIEZO BEEP
TIMER "F" (30 MIN.) ACTIVATED
NO
YES
ACTIVATE TIMER "F"
TIMER "F" EXPIRED?
NO
YES
COUNTER "F" = 3?
NO
YES
ADD 1 TO COUNTER "F"
ACTIVATE ALERT "F"

FIG. 9.

VEHICLE TRACKER INCLUDING INPUT/OUTPUT FEATURES AND RELATED METHODS

RELATED APPLICATIONS

The present application is based upon copending provisional application serial nos. 60/264,811 filed on Jan. 29, 2001; Ser. No. 60/258,005, filed Dec. 22, 2000; Ser. No. 60/251,552, filed Dec. 6, 2000; Ser. No. 60/252,125, filed Nov. 20, 2000; Ser. No. 60/236,890, filed Sep. 29, 2000; Ser. No. 60/246,463, filed Nov. 7, 2000; Ser. No. 60/222,777, filed Aug. 3, 2000; and Ser. No. 60/205,178, filed May 17, 2000, the entire contents of each of which are incorporated herein by reference.

FIELD OF THE INVENTION

The present invention relates to the field of vehicle devices, and, more particularly, to a tracking and alerting system for a vehicle.

BACKGROUND OF THE INVENTION

Motor vehicles, such as passenger cars, trucks, busses, fleet vehicles, etc. are widely used and knowing the locations of such vehicles is often desired. For example, should a vehicle be stolen, it would be beneficial to know the vehicle's location so that authorities could be promptly and accurately directed to retrieve the vehicle. Indeed, the tracking system could plot the getaway path of the thief.

For a company with hired drivers, it may desirable to know the driver's whereabouts during the course of the day. Similarly, a rental car agency or other fleet operator, for example, may wish to know the whereabouts of its fleet of vehicles.

It may also be desirable to track the location of a vehicle as it is used throughout the course of a normal day. For parents of younger or older drivers, for example, knowledge of the vehicle's location may provide some assurance that the driver is at designated locations and following a prescribed route.

A number of patents disclose various systems and approaches to tracking vehicles. For example, U.S. Pat. No. 5,223,844 discloses a tracking system including a control center and a mobile unit installed in the vehicle. The mobile unit may send security warnings to the command center via a wireless transceiver. Position information for the vehicle is determined using a GPS receiver at the vehicle.

U.S. Pat. No. 5,515,043 discloses a similar system which may send one or more preprogrammed telephone messages to a user when away from the vehicle. The user may remotely access location information or cause certain commands to be carried out by entering a personal identification number (PIN).

The widespread availability and use of the Internet has prompted a number of vehicle tracking systems to also make use of the Internet. For example, TelEvoke, Inc. proposed such a system in combination with Clifford Electronics. The system was to provide notification, control and tracking services via the telephone or the Internet. Users could be notified via phone, e-mail, or pager of events such as a car alarm being triggered. Users could control the vehicle remote devices via phone, web, or PDA such as unlocking car doors. Additionally, users could track TelEvoke-enabled vehicles on the Internet or via the telephone. An Internet map could be viewed by the user showing the actual and prior vehicle locations. TelEvoke offered its services via a centralized fully automated Network Operations Center. To reduce the communications costs, it was proposed to use the control channel of the cellular telephone network.

There are, of course, a number of vehicles which come from the manufacturer with some form of security system already installed. In addition, a number of vehicles are also equipped with aftermarket security systems. Many conventional vehicle tracking units may not be readily installed in vehicles, particularly those vehicles already including a vehicle security system. In addition, complexity of installation may significantly increase the system costs.

SUMMARY OF THE INVENTION

In view of the foregoing background, it is therefore an object of the invention to provide a vehicle tracking unit and related methods that permit ready interface to devices in the vehicle, such as those devices which may be part of an existing vehicle security system.

This and other objects, features and advantages in accordance with the present invention are provided by a vehicle tracking system comprising a vehicle tracking unit for a vehicle of a type including an alarm indicator, and a monitoring station receiving the alarm indication alert from the vehicle tracking unit. The vehicle tracking unit may include a vehicle position determining device, a wireless communications device, and a controller connected to the wireless communications device and the vehicle position determining device. The controller may monitor signals relating to activation of the vehicle alarm indicator and send an alarm indication alert, such as with position information from the vehicle position determining device, and using the wireless communication device.

More particularly, the controller may send an alarm indication alert responsive to a continuous activation of the alarm indicator for greater than a predetermined time. Alternately, or in addition thereto, the controller may send an alarm indication alert responsive to a repetitive pattern of alarm indicator activations. In other words, the controller may be configured to distinguish between normal operation of a vehicle horn by the driver, and activation of the horn by a security system. The controller may also monitor signals of at least one of a first and second polarity. Accordingly, the tracking unit may be readily interfaced to vehicles including security systems.

In one variation, the controller monitors signals to the vehicle alarm indicator. In another variation, the controller monitors signals of voltage dips of the vehicle battery. The vehicle alarm indicator may comprise a vehicle horn, and/or a vehicle siren.

The vehicle position determining device may include a Global Positioning System (GPS) device. The wireless communications device may comprise a cellular telephone communications device, such as operating over a cellular control channel.

The monitoring station may comprise a user interface for accepting at least one command from a user and sending at least one alert to the user. For example, the user interface may include an Internet interface, and/or a telephone network interface.

Another advantageous aspect of the invention relates to compatibility of the outputs of the vehicle tracking unit. More particularly, the controller may include a dual polarity compatible output for a vehicle device, such as the vehicle alarm indicator. The controller may further monitor signals relating to activation of the vehicle alarm indicator and send an alarm indication alert with position information from the

vehicle position determining device and using the wireless communication device.

The controller may generate a first polarity output pulse followed by a second polarity output pulse on the dual polarity compatible output. The controller may also generate a repeating pattern of a first polarity output pulse followed by a second polarity output pulse on the dual polarity compatible output. In yet other embodiments, the controller may sense an actual polarity of the device and thereafter use the actual polarity for the dual polarity compatible output.

Where the vehicle device is a vehicle horn, the controller may typically be configured to generate a negative polarity output on the dual polarity compatible output. Conversely, wherein the vehicle device is a vehicle alarm indicator siren, the controller may be configured to generate a positive polarity output on the dual polarity compatible output.

One method aspect of the invention is for operating a vehicle tracking unit for a vehicle of a type comprising a vehicle alarm indicator. The vehicle tracking unit may include a vehicle position determining device, and a wireless communications device. The method preferably includes determining position information of the vehicle using the vehicle position determining device, determining an alarm condition based upon at least one of activation of the vehicle alarm indicator continuously for greater than a predetermined time and activation of the vehicle alarm indicator in a repetitive pattern, and sending an alarm indication alert from the wireless communications device responsive to determining the alarm condition.

Another method aspect also relates to operating such a vehicle tracking device. The method preferably includes using the controller to generate a dual polarity compatible output for the vehicle device.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** is a simplified block diagrams of a vehicle tracking system in accordance with the present invention.

FIG. **2** is a more detailed block diagram of the vehicle tracking unit as shown in FIG. **1**.

FIG. **3** is more detailed block diagram of the monitoring station as shown in FIG. **1**.

FIG. **4** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle stolen alert.

FIGS. **5A–5C** are a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle alarm sounding alert.

FIG. **6** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle speeding alert.

FIG. **7** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating an unauthorized transmitter learned alert.

FIG. **8** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a low battery alert.

FIG. **9** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a GPS or cellular unit failure alert.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

The present invention will now be described more fully hereinafter with reference to the accompanying drawings in which preferred embodiments of the invention are shown. This invention may, however, be embodied in many different forms and should not be construed as limited to the illustrated embodiments set forth herein. Rather, these embodiments are provided so that this disclosure will be thorough and complete, and will fully convey the scope of the invention to those skilled in the art. Like numbers refer to like elements throughout.

Referring to FIGS. **1–3**, the vehicle tracking system **20** in accordance with the invention is now initially described. The vehicle system **20** illustratively includes a vehicle tracking unit **25** to be mounted in the vehicle **21** and a monitoring station **30** which is remote from the vehicle and which is typically in a fixed location. In the illustrated embodiment, the vehicle tracking unit **25** interfaces with various vehicle devices, such as may include security sensors, door locks, etc. as will be appreciated by those skilled in the art.

The vehicle tracking unit **25** is also illustratively connected to a separate vehicle security system **27** as may already be installed in the vehicle **21**, from the factory or installed as an aftermarket product. Those of skill in the art will appreciate that in some embodiments of the vehicle tracking system **20** a separate vehicle security system **27** may not be needed, and/or various features thereof can be readily incorporated in the vehicle tracking unit **25**.

The monitoring station **30** may typically service a number of subscribers **31**. As shown perhaps best in FIG. **3**, the monitoring station **30** may include a user interface, such as the schematically illustrated telephone network interface **33** and the internet interface **34** which are schematically coupled to a telephone **35**, and a computer **36**, respectively. Of course in other embodiments, other interfaces may be used and only one of the illustrated interfaces may be needed. Those of skill in the art will also recognize that messages may be sent to a subscriber or user via preprogrammed voice messages, e-mail messages, facsimile messages, pager alerts, etc. In addition commands or instructions from the subscriber can also be input to the monitoring station **30** via the telephone network interface **33** and/or the internet interface **34**, from the subscribers telephone **35** or computer **36**.

The monitoring station **30** is illustrated connected to a cellular telephone tower **32** which, in turn, may communicate with the vehicle tracking unit **25** in some embodiments. Of course, in other embodiments other communications approaches are also contemplated, such as, for example, including satellite communications.

The monitoring station **30** may typically include the necessary modems, and other communications electronics, and computers for its functions which are described in greater detail below. The configuration of such components and their details will be readily apparent to those skilled in the art. Accordingly, no further discussion of these details is needed.

Referring now more specifically to FIG. **2**, additional details of the vehicle tracking unit **25** and devices at the vehicle are now further described. The vehicle tracking unit **25** illustratively includes a controller **40**, a vehicle position determining device **42**, and a wireless communications device **44** connected together. The vehicle position determining device **42** may be provided by a GPS receiver, for example. The GPS receiver typically operates by receiving multiple signals from spaced apart satellites **38** as will be appreciated by those skilled in the art.

In other embodiments, the vehicle position determining device **42** may be provided based upon communications with the cellular telephone network, or based upon other satellite transmissions, for example. As a particular example,

time of arrival techniques are available based upon multiple reception paths to determine position via the cellular telephone network as will be appreciated by those skilled in the art. The vehicle position determining device **42** also illustratively includes an indicator **43** associated therewith, such as for indicating an operating mode, or proper operation of the device as will be addressed in greater detail below.

The wireless communications device **44** may be provided by a cellular telephone transceiver configured to operate on a control channel of the cellular network. Such a control channel may provide nearly universal coverage for the tracking system **20** as will be appreciated by those skilled in the art. In addition, the control channel may offer relatively inexpensive communications between the monitoring station **30** and the vehicle tracking unit **25** as will be appreciated by those skilled in the art. The wireless communications device **44** also illustratively includes an optional status indicator **45** with a similar function as the indicator **43** for the vehicle position determining device.

The wireless communications device **44** in other embodiments, may transmit in the voiceband of the cellular network. Alternately, the wireless communications device may communicate over other networks, such as over satellite, or via wireless internet services, as will be appreciated by those skilled in the art.

The controller **40** illustratively includes a central processing unit (CPU) **50** or other logic circuitry which is connected to a clock signal generator **51** and a memory **52**. In other embodiments, the memory **52** may be an embedded memory in the CPU **50**. The controller **40** also includes schematically illustrated input/output circuitry **53** to interface with various vehicle devices. In particular the input/output circuitry **53** may provide dual polarity compatibility for one or more inputs or outputs as will described in greater detail below. One or more of the terminals of the input/output circuitry **53** may also provide both input and output functions as will also be described in greater detail below. This may significantly simplify and accelerate installation of the vehicle tracking unit **25** in the vehicle **21**.

Also illustratively shown as part of the vehicle tracking unit **25** are a back-up battery **54**, and switch **55** connected thereto for selectively powering certain of the components based upon the controller **40**. Of course, the vehicle **21** also includes an electrical system including the vehicle battery **61**. Powering of the vehicle tracking unit **25** is described in greater detail below.

The vehicle **21** also includes a number of other components that may relate to vehicle tracking, security, and/or convenience features provided by the vehicle tracking system **20**. For example, the vehicle **21** may include one or more door lock actuators **62**, an optional remote starting device **63**, a starter interrupt device **66** and an alarm indicator **67**. For example, the alarm indicator may be provided by a vehicle horn or vehicle siren, and/or flashing of the lights.

The optional separate security system **27** illustratively includes a vehicle security controller **28** and a receiver **29** connected thereto. As is conventional, the vehicle security system **27** may be switched between armed and disarmed modes, for example, by one or more uniquely coded remote transmitters **60**. The vehicle security controller **28** may also be capable of learning a new uniquely coded remote transmitter **60** as will be appreciated by those skilled in the art. The vehicle security controller **28** also illustratively is connected to the starter interrupt device **66** and the alarm indicator **67**.

For ease of explanation, a number of the features of the vehicle tracking system **20** are now described. The vehicle tracking system **20** includes a number of features that may simplify installation and maintenance. For example, as shown in FIG. **2**, the vehicle tracking unit **25** may have a test switch **71** connected to the controller **40**.

In normal operation, the controller **40** may be called upon to operate at least one vehicle device. Of course, the controller **40** also cooperates with the wireless communications device **44** and the vehicle position determining device **42** to determine and send vehicle position information to the monitoring station **30**. Moreover, the controller **40** may be switchable to a test mode for test operation of the at least one vehicle device responsive to activation of the test switch **71**.

In some embodiments, the at least one vehicle device may be a plurality of vehicle devices that are tested by operation in sequence. For example, the at least-one vehicle device may comprise at least one door lock actuator **62**. The at least one vehicle device may also comprise the starter interrupt device **66**, or the engine remote starter **63** if remote starting is an implemented feature. The at least one vehicle device which is tested, may also be the alarm indicator **67**. Accordingly, an installer, for example, can quickly check that the tracking unit has been properly installed.

To further provide for ready determination of proper operation of the vehicle tracking unit **25**, one or both of the position determining and wireless communications devices **42**, **44** may include associated indicators **43**, **45** as mentioned briefly above, and which provide an indication relating to proper operation. Each indicator **43**, **45** may indicate a mode of operation of the device, its proper operation, or a partial or complete failure of the device.

Another aspect of the invention is that the controller **40** may provide a selectable polarity for the at least one vehicle device based upon sensing thereof. Accordingly, a predetermined activation of the test switch **71** may cause the controller **40** to sense and select the proper polarity. Pressing the test switch **71** for a predetermined time or in a predetermined pattern may sense and set the polarity.

Another feature of the vehicle tracking unit **25** and vehicle tracking system **20** relates to conservation of the number of codes or messages that need to be sent to the vehicle tracking unit. In particular, the controller **40** may have a plurality of different controller states and respond differently to a same message from the monitoring station **30** at different times depending upon the controller state at a given time. Accordingly, a number of codes or messages used by the system can be conserved. Various messages are described in greater detail below.

A controller state may change based upon several different occurrences or events. For example the controller may change states in response to a change in at least one vehicle device, or based upon a message received by the wireless communications device **44** from the monitoring station **30**, and/or based upon elapsed time. The controller states, for example, may include an alert sent state based upon an alert message being sent from the wireless communications device **44**. Thereafter, receipt of a predetermined message by the wireless communications device **44** when the controller **40** is in the alert sent state may confirm receipt of the alert message by the monitoring station.

Receipt of the predetermined message by the wireless communications device **44** when the controller **40** is in another state different than the alert sent state may thus cause a different response by the controller. The alert sent state may comprise at least one of a vehicle stolen alert sent state,

a vehicle alarm sounding alert sent state, a vehicle speeding alert sent state, an unauthorized remote transmitter alert sent state, a low vehicle battery alert sent state, and a device malfunction alert sent state. The various alert messages and confirmation thereof are described in greater detail below.

The code or message conservation aspects of the vehicle tracking system **20** also permit sending a sequence of codes or messages within a predetermined time to also cause a different response at the vehicle tracking unit **25**. In other words, the plurality of controller states may comprise a received first message state based upon a first message being received by the wireless communications device **44** from the monitoring station **30**. Receipt of a second message by the wireless communications device **44** when the controller **40** is in the received first message state, such as within a predetermined time window, for example, may thus cause a different response by the controller than does receipt of the second message when the controller is in another state than the received first message state.

The plurality of controller states may comprise a vehicle finder state sounding an audible signal via the alarm indicator **67** at the vehicle **21**. In this state the controller **40** would bypass sending a vehicle alarm sounding alert to the monitoring station **30**.

Another aspect of the vehicle tracking system **20** is the provision of certain power conservation and management techniques, such as to permit extended periods where the vehicle **21** is not operation. During such extended periods, the vehicle battery **61** provides power to the vehicle tracking unit **25** as well as other vehicle devices. Accordingly, the voltage of the vehicle battery **61** drops over time. The vehicle tracking unit **25** may provide a significant drain on the vehicle battery **61** because of the power consumed by the wireless communications device **44** during transmission as will be appreciated by those skilled in the art.

The vehicle position determining device **42**, the wireless communications device **44** and the controller **40** may be considered as defining a power load of the vehicle tracking unit **25**. The controller **40** may operate the schematically illustrated power switch **55** to isolate the back-up battery **54** from the power load as a voltage of the vehicle battery **61** drops until reaching a threshold. After or below the threshold the controller **40** may cause the back-up battery **54** to selectively power only a first portion of the power load while a second portion of the power load remains powered by the vehicle battery.

For example, the wireless communications device **44** may have a higher operating voltage than the vehicle position determining device **42**. The first portion of the power load that is selectively powered despite the low vehicle battery voltage may thus be the wireless communications device **44**. In particular, the wireless communications device **44** may be powered for transmission. Accordingly, the back-up battery **54** can be saved for limited communication using the higher voltage wireless communications device **44**. This provides useful features even after an extended period during which the vehicle **21** is left unattended and the vehicle battery **61** gradually discharges.

To further conserve power, the controller **40** may reduce operation of the power load as vehicle battery voltage falls. Conversely, the controller **40** may restore operation of the power load based upon the voltage of the vehicle battery **61** rising again, such as upon being recharged.

Also relating to power consumption, the controller **40** further causes transmission of a low vehicle battery voltage alert to the monitoring station **30** based upon the voltage of the vehicle battery **61** falling below the threshold. The user or subscriber may cause the monitoring station **30** to issue a remote start command. The controller **40** may then generate a remote start output to the remote start device **63** to thereby start the engine and recharge the vehicle battery.

Another feature of the vehicle tracking system **20** is that the vehicle tracking unit **25** may be readily installed and connected to a vehicle **21**, such as in the illustrated embodiment where the vehicle includes a starter interrupt device **66** and a separate vehicle security controller **28**. More particularly, the controller **40** may switch between an armed mode and a disarmed mode based upon operation of the engine starter interrupt device **66**. The controller **40** when in the armed mode may cooperate with the wireless communications device **44** to send an alert message to the monitoring station **30** and including vehicle position information, for example, based upon the vehicle position determining device **42**. The controller **40** is also for selectively operating the engine starter interrupt device **66** to provide additional security features.

In one advantageous embodiment, the controller **40** preferably comprises a combination input and output terminal for connection to the engine starter interrupt device. This terminal is at the input/output circuitry **53** and is schematically illustrated by reference numeral **72**. The controller **40** may switch to the armed mode when in the disarmed mode and based upon the engine starter interrupt device **66** being operated to disable engine starting. Conversely, the controller **40** may switch to the disarmed mode based upon the engine starter interrupt device **66** being operated to enable engine starting. In other words, the vehicle tracking unit **25** can piggyback its arming and disarming off the existing vehicle security system **27**, for example.

The controller **40** may also selectively operate the engine starter interrupt device **66** based upon a command message from the monitoring station **30**. The controller **40** may selectively operate the engine starter interrupt device **66** based upon a command message from the monitoring station **30**. Alternately, or in addition thereto, the controller **40** may selectively operate the engine starter interrupt device **66** based upon the ignition switch **65**.

The following descriptive portions relate to various user or subscriber notifications and features provided by the vehicle tracking system **20**. Of course, the controller **40** preferably cooperates with the wireless communications device **44** to send an alert message. The monitoring station **30** may comprise a user interface, such as one or both of the telephone network or internet interfaces **33**, **34**, respectively (FIG. **3**), for generating a sequence of alert message notifications based upon receiving the alert message sent from the vehicle tracking unit **25**. More particularly, the monitoring station interface permits canceling any remaining alert message notification based upon a cancellation command response from a user or subscriber having already received the alert message notification. The user may send the cancellation response via the telephone **35** or computer **36** (FIG. **3**), for example. Thus, if the user may be reached at different telephone numbers or different users are desirably notified of the alert, this aspect of the vehicle tracking system **20** can make the notifications efficiently and without making unnecessary notifications.

The vehicle tracking system **20** may provide any of a number of very useful alerts, as discussed herein. For example, the alert message sent from the vehicle tracking unit may comprise at least one of a vehicle stolen alert message, and a vehicle alarm sounding alert message. The

alert message may be one of a vehicle speeding alert message, and a vehicle acceleration alert message. In addition, the alert message may comprise an unauthorized remote transmitter alert message. Also, the alert message may be at least one of a low vehicle battery alert message, and a device malfunction alert message.

The speeding alert may be based upon exceeding a speed threshold for greater than a certain time, which may be user selectable. The acceleration alert may also be useful as such is also indicative of aggressive driving along with the speeding alert. The unauthorized remote transmitter alert increases overall security since a user will be notified if a would-be thief learns an unauthorized transmitter to operate the controller. These alerts are described in greater detail below.

The vehicle tracking system **20** may be implemented as a service to a subscriber. In other words, the subscriber pays a monthly fee for the service. Accordingly, it may be important to encourage a user to register. Similar subscriber or registrations systems in the past have suffered revenue losses since some users would wait to activate the system until the vehicle was stolen. In other words, the user would only subscribe or register and pay a single month's fee.

In accordance with this aspect of the vehicle tracking system **20** prompt user registration is encouraged. In particular, the vehicle tracking unit **25** may include the user registration reminder indicator **56** and the controller **40** may be switchable from an unregistered mode to a registered mode. In the registered mode, the controller **40** may cooperate with the wireless communications device **44** and the vehicle position determining device **42** to determine and send vehicle position information to the monitoring station **30**. In the unregistered mode, the controller **40** may activate the user registration reminder indicator **56** to encourage registration by the user.

The controller **40** may be switchable to the registered mode based upon an activation message from the monitoring station **30**. For example, when the registration payment has been received, the monitoring station can send one or more messages to the vehicle tracking unit **25** to stop activation of the registration reminder indicator **56**. The indicator **56** may be audible, visual or both. For example, the registration reminder indicator **56** could be a beeping sound generated by a small piezoelectric transducer every ten minutes or so when the ignition **65** is on.

In other words, the user registration reminder indicator **56** may provide a minor but irritating annoyance to the user to encourage registration. Upon successfully registering, the annoyance is abated. Accordingly, a relatively straightforward approach is provided to encourage user registration.

Along these lines, the controller **40** when in the unregistered mode may have reduced features compared to the registered mode. For example, the controller **40** when in the unregistered mode may be restricted or limited in sending messages with the wireless communications device **44**. Accordingly, usage of the wireless communications network may be reduced. Transmissions from the vehicle tracking unit **25** may also be beneficially suppressed during original installation, for example.

Returning again to features of the vehicle tracking unit **25** which facilitate installation, the controller **40** may send an alarm indication alert responsive to a continuous activation of the alarm indicator **67** for greater than a predetermined time. Alternately, or in addition thereto, the controller **40** may send an alarm indication alert responsive to a repetitive pattern of alarm indicator **67** activations. In other words, the controller may be configured to distinguish between normal operation of a vehicle horn by the driver, and activation of the horn by the security system **27**. As mentioned above, the controller **40** may also monitor signals of at least one of a first and second polarity. The controller **40** thus advantageously piggybacks off the alarm indication generated by the vehicle security system **27** to determine and send a vehicle alarm sounding alert to the monitoring station **30**.

In one variation, the controller **40** may monitor signals delivered directly to the vehicle alarm indicator by the vehicle security controller **28**. In another variation, the controller **40** monitors signals of voltage dips of the vehicle battery **61**. Circuitry is conventionally and readily available for both such functions, as will be readily appreciated by those skilled in the art.

The controller **40** may also include a dual polarity compatible output in the input/output circuitry **53** for a vehicle device, such as the vehicle alarm indicator **67**. The controller **40** may further monitor signals relating to activation of the vehicle alarm indicator **67** and send an alarm indication alert with position information from the vehicle position determining device and using the wireless communication device.

For the dual polarity output compatibility, the controller **40** may generate a first polarity output pulse followed by a second polarity output pulse. The controller **40** may also generate a repeating pattern of a first polarity output pulse followed by a second polarity output pulse on the dual polarity compatible output. In yet other embodiments, the controller **40** may sense an actual polarity of the device and thereafter use the actual polarity for the dual polarity compatible output.

Where the vehicle device is a vehicle horn, the controller **40** may typically be configured to generate a negative polarity output on the dual polarity compatible output. Conversely, wherein the vehicle device is a vehicle alarm indicator siren, the controller **40** may be configured to generate a positive polarity output on the dual polarity compatible output.

Another aspect of the vehicle tracking system **20** relates to conserving memory space and/or reducing transmission time over the communications network. In accordance with this advantageous feature, the controller **40** may determine the vehicle position information including a vehicle location and an associated stationary period for each occurrence of the vehicle remaining stationary for greater than a predetermined period. In one embodiment, the controller **40** may cooperate with the wireless transmission device **44** to send the vehicle position information to the monitoring station based upon each occurrence of the vehicle remaining stationary for greater than the predetermined period. In this embodiment, the monitoring station **30** may associate a time with each occurrence of the vehicle remaining stationary for greater than the predetermined period. In other words, the monitoring station **30** may time stamp the received information.

In another embodiment, the controller **40** cooperates with the wireless transmission device **44** to send the vehicle position information to the monitoring station **30** for a plurality of occurrences of the vehicle remaining stationary for greater than the predetermined period. In this embodiment, the controller **40** may associate a time with each occurrence of the vehicle remaining stationary for greater than the predetermined period. In other words, the controller time stamps the position and stationary period information.

As an example, the predetermined time which determines whether the vehicle **21** is stationary and the position should be determined, may be less than about three minutes. This time may filter out vehicle stops in normal traffic, but which will keep track of stops where the driver likely leaves the vehicle **21**. Accordingly, only the important information necessary to track the vehicle need be stored and/or transmitted thereby reducing the system costs. If the vehicle **21** is stationary overnight, for example, unnecessary position information need not be determined, stored, and/or transmitted to the monitoring station **30**.

The controller **40** may comprise the memory **52** for storing the vehicle position information therein. In one configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined schedule. In another configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined event. In yet another configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined percentage of memory usage.

Having now described certain general features and advantages of the vehicle tracking system **20**, this description now turns to additional specific details which are provided as examples. In particular, vehicle tracking system **20** preferably implements one or more of the following features:

1. Detects the vehicle being stolen and transmits a signal to the monitoring station to contact up to 3 people, for example, predetermined by the user, of theft of the vehicle and then starts tracking the vehicle. The contact may be by one or more of the following: an e-mail message, a pager alert, a cellular telephone call, or other telephone call.
2. Detects an optional vehicle security or alarm system activation and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them the vehicle's alarm is being activated.
3. Detects an optional vehicle alarm system's remote PANIC activation and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of the vehicle's PANIC being activated.
4. Detects a vehicle being programmed to operate from an unauthorized remote transmitter, key transponder, other transponder, or other device that has a unique coding, and the vehicle unit transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of this occurrence. The system can also make available information relating to a number of such coded devices, or a change therein, or when a change occurred. A message can be sent to the user or the information can be available to the user on the WEB site. The vehicle would be equipped with a security system as disclosed in U.S. Pat. No. 5,654,688, for example, which determines an unauthorized transmitter and provides an alert feature. This patent is incorporated herein in its entirety by reference.
5. Detects the vehicle traveling over a predetermined speed, such as for a predetermined time, and transmits a signal to the monitoring station to send a message, such as an e-mail informing the user (and/or others) of this occurrence. Of course, the message could also be sent via a telephone call or page, should additional urgency be required. The vehicle's predetermined maximum speed limit and duration thereof can be selected by the user.
6. Detects a low battery voltage such as for a predetermined time and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of vehicle's low battery voltage. This is especially advantageous during winter so that the vehicle could be started, for example, to prevent a problem before it happens). The time setting is preferably selectable by the user.
7. Detects the vehicle not moving for a predetermined time and transmits a signal to the monitoring station to send, for example, a nightly e-mail informing the user of all the vehicle's location and stationary time occurrences. The stationary time length is also selectable. This may be advantageous to encourage patrolling personnel not to remain for a long time in a same location.
8. The vehicle unit preferably includes a back-up battery system making it more reliable.

The vehicle unit may be relatively inexpensive. In addition, the monitoring fee that includes sending up to 60 e-mails and making up to 6 phone calls per month, may also be relatively low. The relatively low monitoring fee is based, at least in part, on the current relatively low rates charged for use of the control channel of the cellular telephone network. It is also noted that access to the control channel provides coverage for almost the entire U.S., for example.

The user or subscriber also preferably has access to an Internet site that will display a map and silently contact the vehicle to acquire it's current location, speed, direction of travel, and previous multiple locations with speeds, for example, the user's personal identification number (PIN) can be quickly activated by a telephone call. No additional installation may be required.

Certain annual pre-pay package arrangements may be available. For example, up to 10 access entries per month can be provided on a low monthly billing. Up to 30 access entries could be provided also for a relatively low monthly fee.

The present invention provides a number of other significant advantages including optional access from any phone or from any computer to access the monitoring station internet site. The user may control various vehicle functions remotely via the telephone or the internet site. The only charge may be for additional equipment and installation.

Additional features can also be included with the system and subscribed to by the user in accordance with the invention. For example, these include Hijack, Car Finding, Unlock Doors and Unauthorized Transmitter Alert Features. The equipment and installation is relatively inexpensive. For the hijack feature: from any phone or computer, the user may activate vehicle starter interrupt and sound the horn until the vehicle is retrieved (Command 4).

For the Car Finding feature: from any phone or computer, the user may activate the vehicle's horn, or siren and sound same for 30 seconds. This allows the user to find his vehicle in a crowded parking lot (Command 5).

For the Lock/Unlock vehicle doors feature: from any phone or computer a predetermined command (Command 7) activates unlocking of vehicle doors to retrieve keys, for example, that may have been accidentally locked inside the vehicle. Of course, the system can also be used to lock vehicle doors if this was forgotten (Command 6). The unauthorized transmitter alert feature is similarly selected as described above.

In addition, a remote vehicle start feature may also be provided, such as to start the vehicle's engine to heat or cool the vehicle prior to entry. The equipment and installation for

remote starting may be relatively low. Some further details of a specific embodiment of the vehicle tracking unit **25** are provided below as relating to use of red and green LED indicators as may be coupled to the controller **40** and operated thereby. Also various representative wires, designated by color, are provided as an example embodiment.

The red LED verifies the GPS receiving signal. With a yellow wire having positive 12 volts, the red LED blinking indicates searching GPS location, constant indicates found location, and off indicates no GPS signal found. With the yellow wire not having positive 12 volts, if the red LED is off, the LED is not functioning.

The green LED verifies receiving the cell tower signal. With the yellow wire having positive 12 volts, blinking indicates the cell control channel signal is detected, constant indicates sending a micro burst signal (LED stays on 5 seconds after each transmission, and off indicates no cell tower signal received. With the yellow wire not having positive 12 volts, off indicates the green LED is not functioning.

An example of representative DIP switch feature selection is as follows. A first switch may be used for adding the orange wire for controlling arm/disarming of system. When on, the orange wire controls arm/disarm as follows: to arm, the orange wire is grounded and the yellow wire does not have 12 volts positive. To disarm, the orange wire is not grounded. When the first switch is off, then only the yellow wire controls arm/disarm as follows: to arm, the yellow wire is without 12 volts positive, and 30 seconds after continued arm mode then the orange wire activates a constant 500 ma grounded output to operate an external starter interrupt relay until the system is disarmed. To disarm, the yellow wire is connected to 12 volts positive.

A main 5-pin plug may be provided on the vehicle unit and connected as follows:

1. The Red Wire is connected to the 12 vdc power. An alert warning "E" is given if the system is armed and the battery voltage becomes lower than 11 volts for longer than ## minutes. This alert feature "E" will not operate again until the voltage is above 12 volts to re-set this feature.
2. The black wire is connected to ground.
3. The yellow wire is connected to the ignition 12 volts so that if the key is on, 12 volts is supplied thereto and if the key is off, the yellow wire is connected to ground. Further: if the system is in an armed mode and the Lat/Long changes, then Alert "A" is given. If the system is disarmed and within 2.5 seconds after the yellow wire receives 12 volts and the gray wire detects 3 or more positive pulses the system activates Alert "D". If the first DIP switch is in the off position then: if 12 volts is on yellow wire, the system is disarmed and the orange wire discontinues from the 500 ma ground, and if the yellow wire sees ground or neutral, then the system is armed and 30 seconds after the continued arm mode the orange wire activates a constant 500 ma grounded output to operate an external starter interrupt relay until the system is disarmed
4. The gray wire is for input and output, and can be connected to an alarm siren or horn positive terminal. In addition:
   a. With the system armed and if the gray wire detects +12 v pulsing on/off or on constant for more than 10 seconds from an alarm siren or horn honking activation, then alert warning "B" alarm activation is given.
   b. With system disarmed and if the gray wire detects +12 v pulsing on/off or on constant for more than 10 seconds from an alarm siren or horn honking activation, then alert warning "C" panic activation is given.
   c. With system disarmed and if the Gray wire detects 3 or more 12 volt positive pulses within 2.5 seconds of yellow wire receiving 12 v+ and the gray wire by-pass not being activated, then alert warning "D" is given.
   d. The gray wire bypass operates as follows:
      i. After alert warning "B" bypass all future alert "B" signals until system is disarmed.
      ii. After alert warning "C" bypass all future Alert "C" signals until system is armed.
      iii. After alert warning "D" bypass all future alert "D" signals until no 12 volt pulses are detected on the gray wire within 3 seconds of the yellow wire having 12 volts.
   e. With the system armed or disarmed. The Output: Internal +12 v, 1 amp transistor with pulses 1 second on and 1 seconds off to activate siren or honk car horn or flashing light relay.
      i. Non-stop activation from (Command "4")
      ii. 30-second activation from (Command "5")
   f. Turn off the above alert "A" from (Command "1").
5. The orange wire is for the starter interrupt and arm/disarm system, and operates as follows:
   a. If first DIP switch is in the:
      i. On position and: the orange wire has 12 volts or neutral, the system switches to the disarmed mode; the orange wire is grounded, then the system is switched to the armed mode; and the starter interrupt output will not automatically operate. It can only be activated from "Command #4"
      ii. Off position and the orange wire does not effect the arming or disarming of the system; 30 seconds after system arms the orange wire will automatically activate constant 500 ma ground until the system is disarmed. And from "command #4". Connect to Starter interrupt relay output.
   b. Command 4 activates Orange wire to have 500 ma. negative until Command 1 is received.
   c. After Alert warning "B" is activated the first time it is thereafter bypassed while the orange wire remains grounded. Alert warning "B" is re-set to operate again 3 seconds after orange wire becomes ungrounded.

The vehicle unit may also include a Door Lock Plug configured as follows, for example. A green wire provides a 250 ma, negative 1 second pulse for Lock Doors. (Command "6"). A red wire provides a constant 12 v output from the red power wire. A blue wire provides a 250 ma., negative 1 second pulse for Unlock Doors (Command "7"). A pink wire provides a 250 ma., negative 1 second pulse for remote Car Starter (Command "2").

An installation test button may also be provided to work as follows. Pressing the button activates the orange wire for 10-seconds (starter interrupt), with these circuits in sequence. First, it activates the gray wire for 1-second (siren/horn). After the first stops, it activates the green wire for 1 second to lock the doors. After the second stops, it activates the blue wire for 1 second to unlock the doors. After the third stops, it activates the pink wire for 1 second to activate an optional item.

Representative warning alerts are as follows:

1. Alert Warning "A" (FIG. **4**): Automatic activation of "Command 8" and the vehicle unit contacts monitoring

station to instantly call 3 phone numbers with the message "Your Vehicle is stolen please confirm then call 911 to advise police of web site and your pin # so police can locate the vehicle". This is detected with the system armed and the GPS indicating movement. Bypasses all future alert warning "A" signals until the system is re-armed.

2. Alert Warning "B" (FIGS. 5A-5C): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the following message "Vehicle alarm activated please confirm". This is with the system armed and detecting gray wire having 12 volts pulsing or on constant for longer than 10-seconds. After alert warning "B" is activated the first time, it is thereafter bypassed while the orange wire remains grounded. Alert warning "B" is re-set to operate again 3 seconds after orange wire becomes ungrounded.

3. Alert Warning "C" (FIG. 6): the vehicle unit contacts the monitoring station to instantly send e-mail message "vehicle was traveling faster than your preset amount of "###" and time limit of "##" seconds. Indicates the vehicle speed and location that the speeding started and how long speeding accrued" (Detected from GPS). This aspect is further understood with reference to the enclosed flowchart **84** of FIG. **6**.

4. Alert Warning "D" (FIG. **7**): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the message "Unauthorized remote transmitter was just programmed to operate your vehicle." This is with the system disarmed and the Gray wire detecting three or more 12 volt pulses within 2.5 seconds of the yellow wire having seen 12 volts positive. All future alerts "D" are bypassed until no 12 volt pulses are detected on the gray wire within 3 seconds of the yellow wire seeing 12 volts. This aspect is further understood with reference to the enclosed flowchart **85** of FIG. **7**.

5. Alert Warning "E" (FIG. **8**): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the message "Vehicle has low battery voltage and system has changed to low voltage mode". This is with the system armed and detecting the Red wire with lower than 11 volts for ## minutes. All future alerts "E" are bypassed until, first, more than 13.5 volts are detected on the red wire and, second, after the yellow wire stops having positive voltage the red wire then must detect more than 12 volts.

The following are representative commands for use in the system:

Command 1: Reset all circuits and system remains asleep until the ignition key is turned on. Resets the triggered mode and unit is asleep to prevent power drain on vehicle battery.

Command 2: (Accessory activation) monitoring station Command to the system to activate Pink wire to pulse 250 ma negative for 1 second.

Command 3: (Vehicle Location) Web site to indicate present location and past events in memory.

Command 4: (Hijack or Stolen) monitoring station Command to vehicle system to activate:

a. Gray wire to pulse 1 sec on/1 sec off with 1 amp positive output and which continues until receive command #1.

b. Orange wire to have 500 ma ground and which continues until receive command #1.

Command 5: (Car Find) monitoring station Command to system activating Gray wire for 30 seconds pulsing 1 sec on/1 sec off with 1 amp positive output.

Command 6: (Lock Doors) monitoring station Command to system activating Green wire to pulse 1 second with 250 ma. negative.

Command 7: (Unlock Doors) monitoring station Command to system to activate Blue wire to pulse 1 second with 250 ma. negative.

Command 8: (Start Constant Vehicle Tracking) sends previous 2 events in memory and then every 120 seconds get update of location information sent to the Web site.

The system is also operable in a battery saver mode which operates as follows:

1. With the ignition key off, if the battery voltage drops below 11.5 volts for more than 5 seconds, the GPS verification wakes up to look:

a. Once instantly.

b. Once in 1 hour if at the same location.

c. Once in 6 hours if at the same location.

d. Once in 12 hours if at the same location.

e. Once every 24 hours if at the same location.

f. Activate alert "E" when the battery saver mode is activated, and bypass sending all future Alert "E" until the battery voltage goes above 13 volts for 10 minutes to reset this feature.

Another aspect of the invention relates to automatic vehicle alert e-mails sent containing some or all of the previous system events. This sending can be triggered as follows:

a) At a user selected predetermined time ## (01-24) of each day, or

b) At a predetermined memory fill level, such as full or near full.

In addition, each system event may contains one or more of the following:

a) Vehicle Location

b) Vehicle total time at location

c) Time of day

d) Mph traveling

e) Total time traveling above MPH

f) Direction traveling

g) Delta

h) Special Alert messages, if any, including:

i) GPS signal not received for longer than 5 minutes.

ii) Traveling above ###MPH for ## minutes.

iii) Vehicle is stolen.

iv) Alarm activated.

v) Unauthorized remote transmitter alert.

vi) Battery saver mode activated

vii) Command 1: Reset all circuits and system remains asleep until the ignition key is turned on.

viii) Command 2: (Accessory activation)

ix) Command 3: (Vehicle Location was retrieved)

x) Command 4: (Hijack or Stolen mode activated)

xi) Command 5: (Car Find mode activated)

xii) Command 6: (Locked Doors)

xiii) Command 7: (Unlocked Doors)

xiv) Command 8: (Started 2-second incremental Vehicle Tracking)

Another feature of the invention relates to the selectable threshold conditions causing an event to be recorded into the memory of the vehicle unit. For example, this may include: while the yellow wire has 12 volts, record events every "??" default 15 minutes time if the GPS location has changed. If the GPS location is the same then only update stationary total time. If the GPS antenna is not receiving any signal

then enter last known GPS location and with an indication that this was the last known GPS location before the GPS signal stopped, how long no GPS signal was received, and the GPS location in the on-hold file, when the vehicle is traveling above ### MPH for ##-minutes.

The monitoring station may also provide a number of automated phone calls as described above. These may include:

1. The user's vehicle has issued a stolen alert:
   a. If vehicle is stolen, after receiving the phone message the user then calls 911 to advise police of the theft, and gives the police the Web site address and an identification number, such as the user's PIN, to allow the police to locate where your vehicle has been, where it is now and keep tracking it until the police can retrieve the vehicle.
   b. If this is a false alert due to vehicle being towed away for service, for example, then the user may press "1" to put the vehicle in an off mode. Once the ignition key is turned on again the system will reset back to its normal operation mode.
2. The user's vehicle has issued an alarm activated for more than 10 seconds alert. The system will not respond to this alert again until ignition key is turned on again to reset this feature.
3. The vehicle battery voltage is low or has been disconnected. The tracking system is in low voltage mode. The system will not respond to this-alert again until the battery voltage goes above 13 volts for 10 minutes to reset this feature.

The backup battery may be sized according to the GPS receiver and processing power draw. In addition, the battery may also be sized based upon estimated micro burst transmitting power draw. Such transmission are typically at about 3 watts power to the antenna.

The system according to the invention including the vehicle unit and monitoring station provides a number of significant advantages and features. For example, the police may be directly contacted by the user when the vehicle is stolen. The user receives the telephone message from the monitoring station, and this is done without requiring the intervention of a manual security monitoring operator, such as an ADT operator, for example. In addition, once in the stolen mode, the vehicle unit will periodically continue to send out its location, so that the police may track the vehicle via the WEB, for example. This location sending feature may begin immediately, that is, without requiring the user to contact the vehicle to begin tracking. Having the vehicle contacting the monitoring station is considerably less expensive than other schemes where the vehicle is periodically polled via the cellular network, for example.

The system may also be interfaced to a breath alcohol sensor at the vehicle, for example, and this information recorded in memory. The information could be passed along to the monitoring station, which, in turn, could send out a notification message (e-mail or telephone) that the vehicle is being operated by a driver who may be impaired by alcohol. The vehicle's location could then be tracked to permit the police to detain the driver.

Another aspect of the unit is that it may be able to recognize the desirability to bypass certain security breach triggers or other events. For example, a car finding feature can be provided that will allow the user to sound the horn or siren when near the vehicle to help locate the vehicle, as in a crowded parking area. Without the bypass feature, the unit could recognize the horn or siren as a security breach and transmit such information to the monitoring center. In accordance with this aspect of the invention, the unit would recognize the car finding feature was activated and thereby bypass sending a security breach transmission, for example. Again, false alarms and unneeded usage and expense of the communications infrastructure would be avoided.

Yet another aspect of the invention relates to thwarting a would-be thief who attempts to disable the alarm by cutting the battery cable or power supplied to the system. The unit preferably includes a back-up battery. More particularly, upon being in an armed mode and sensing a breach of security, such as the hood opening, for example, the unit will send out a signal indicating the alarm or security breach and while the alarm is indicated, if the battery is disconnected then the unit will send out a message indicating the vehicle is stolen, and also providing the vehicle's current position. Accordingly, the would-be thief is not able to defeat the security system by quickly disrupting power to the unit during an alarm indication or security breach. Also, to prevent additional alerts, this message is prevented from being transmitting again until the user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts, indicating the vehicle has started using the owner's ignition key. This aspect is further understood with reference to the enclosed flowchart **80** (FIG. **4**).

Still another aspect of the invention relates to how the unit can discriminate between ordinary usage or honking of the horn as compared to a security system triggered alarm. Most vehicle security systems will provide a pattern of horn soundings as an alarm indication, and this can be determined and used to reduce false alarm transmissions from the unit. For example, the unit can look at the number of leading and trailing edges of the power pulse used to sound the horn. A single pressing of the horn switch by the user will cause two edges within a predetermined time, such as about 10 to 12 seconds. Accordingly, the unit can be configured to not send a security breach transmission to the control center based upon detecting two transitions. Since a number of vehicle security systems may have a continuous sounding of the horn within the predetermined time, the unit can send the transmission upon detecting only a single transition.

A number of other vehicle security systems provide a series of pulses or horn soundings within the predetermined time. Accordingly, the unit may also be configured to send a security breach transmission upon detecting greater than a predetermined number of transitions, such as greater than nine, for example. This number is also typically higher than a user would generate honking the horn several times within the predetermined time. In other terms, the number of transitions of the horn pulses can be counted, and if equal to one, or greater than nine, for example, the transmission is triggered, and otherwise the sounding of the horn is ignored. Also, to prevent additional alerts, this message is prevented from being transmitted again until the user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts, indicating the vehicle has started using the owner's ignition key.

This aspect is further understood with reference to the enclosed flowcharts **81**-**83** (FIGS. **5**A-**5**C).

Yet another feature of the invention relates to a low vehicle battery alert. For example, the unit may monitor the battery voltage over a predetermined time such as ten minutes. The ten minute window prevents false tripping, for example, when the voltage dips during engine cranking. In particular, the voltage can be sensed and it can be determined whether it is greater than zero (e.g. greater than six volts) and less than a high value (e.g. eleven or twelve volts),

and, if so, a low battery voltage transmission can be communicated to the monitoring station, and ultimately to the vehicle user when away from the vehicle. If the vehicle is being serviced and the battery is disconnected, this will cause the battery voltage to be equal to zero. Then, the low battery voltage transmission will not be communicated to the monitoring station. Also, to prevent additional alerts, this message is prevented from being transmitted again until the user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts, indicating the vehicle has started using the owner's ignition key. Again, false triggerings are reduced. This aspect is further understood with reference to the enclosed flowchart **86** (FIG. **8**).

Yet another advantageous feature of some embodiments of the invention relates to the ability to conserve electrical power. More particularly, when the vehicle is stopped and in the armed mode, the GPS receiver may be periodically operated to determine the vehicle position. If the vehicle position changes, this is indicative that the vehicle is being moved or stolen. For example, the GPS receiver may be operated to generate new vehicle position information every 29 seconds. These relatively quick successive position determinations or readings are generally termed hot start. These are relatively less complicated than a cold start position determination which takes longer, since the cold start position determination requires greater time to acquire and receive data from multiple satellites, as will be appreciated by those skilled in the art.

Unfortunately, this relatively high repeated usage of the GPS receiver may cause unnecessary battery drain, especially when the vehicle is left armed and unattended by the user for an extended period. Accordingly, the power conserving feature of the invention permits the GPS receiver to be turned off when the vehicle is in the armed mode, and the GPS receiver is turned on only when needed. For example, a vehicle sensor, such as a shock sensor, motion sensor, ignition sensor, door sensor, or other sensor, or combinations thereof could be used to start the GPS receiver. This sensor could also be used to trigger an alarm if desired; however it need not be so used in all embodiments. The GPS receiver, once turned on, could operate in the normal periodic fashion as described above, or for a fixed period of time. The GPS receiver could also be turned off again after some predetermined time if no further sensor signal is received, or if the position fails to change on subsequent position readings or determinations.

Yet another feature relates to permitting one colorful audible alert messages to be generated for the user. The user can, in some embodiments, access an internet site to type or enter the text for a message to be sent, such as to alert the user that his vehicle is being stolen. The audible message then communicated by a telephone call to the user is generated by a speech message synthesizer based upon the entered text. In accordance with this aspect of the invention, the user could type in phonetically spelled words or phrases, such as to create more colorful messages including slang terms, various accents, and/or to mimic various dialects, for example. The speech synthesizer would then generate the desired message customized for the user. Of course, the system could also permit the user to test or preview the pronunciation generated by the speech message synthesizer based on the entered text message prior to its adoption.

Another aspect relates to requesting GPS position information from a vehicle. If a command is sent downstream to the vehicle requesting that GPS information in turn be sent upstream from the vehicle, and the GPS information is not received within a predetermined time, such as about four minutes, then another command may be sent to the vehicle requesting the GPS information. This may keep repeating until GPS information is received, for a predetermined number of tries, or until a user instructs stopping of the requests. This helps to ensure and confirm the activation and reception of GPS tracking coordinates from the vehicle.

Yet another aspect relates to reducing a frequency with which GPS information is sent from the vehicle. More particularly, the unit may be configured to activate GPS information transmission upstream every 2 minutes. To reduce system usage expense and power consumption at the vehicle, this rate of transmission of GPS information could be progressively decreased over time. For example, in one embodiment, upon activation the GPS location signals could be sent every 2 minutes during the first hour, then once an hour for the next 23 hours, after which only one signal would be sent per day.

Turning now to the flowchart **87** of FIG. **9**, still another aspect relates to warning the user of an inoperable or malfunctioning GPS or cellular telephone section. More particularly, if the GPS or cellular telephone antenna wire is cut or the mounting position of either is changed causing the antenna to stop receiving the signal the user would not ordinarily know of this problem quickly. In accordance with one embodiment, if the ignition is turned on a predetermined number of times, such as about three, and each time ignition turns on if no GPS or no cell signal is received for a minimum time, such as about 15 to 30 minutes or longer, an audible warning beeper may be activated in the vehicle. This beeper may be sounded once over 15-minutes. At anytime if the GPS or cell signal is received properly then the system re-sets automatically stopping the beeper sound.

As an example, if the ignition key is turned on and no GPS or no Cell signal is being received for 15-minutes, and the vehicle ignition stays on for 45-minutes and there is still no GPS or no cell signal, the unit counts one. Thereafter, if the ignition key is turned on and no GPS or no cell signal is being received for 15-minutes, and the vehicle ignition stays on for 60-minutes and there is still no GPS or no cell signal, a second count is determined. Thereafter, if the ignition is turned on and no GPS or no cell signal is received for 10-minutes, and the vehicle ignition stays on for only 10-minutes and there is still no GPS or no cell signal, no count is determined. Thereafter, if the ignition is turned on and no GPS or no cell signal is being received for 15-minutes, a third count is determined and the beeper is activated as described above. This beeping may continue every 15-minutes while the vehicle ignition stays on as long as the vehicle ignition stays on for 10-minutes and still no GPS or no Cell signal is being received. If thereafter, the ignition is turned on and no GPS or no cell signal is being received, the beeper beeps once and again beeps once every 15-minutes while vehicle ignition stays on. If in 10-minutes both GPS or cell signal is being received, the beeper system is turned off and the warning count is reset.

By way of example, if the ignition key is turned on and no GPS or no cell signal is being received for only 5, 10 or 12 minutes (with the threshold set at 15 minutes), then no count is determined.

In certain circumstances, the GPS signal may fail, but the cell signal may still be working. Accordingly, it may be desirable to send an indication of the failure of the GPS signal to the central monitoring station to thereby alert the user as described above. If the cell signal also failed, or if the cell signal failed by itself, in other embodiments a separate paging device would transmit the failure or loss of the cell

signal information to the central monitoring station, to thereby alert the user.

Yet another feature is directed to efficient use of a relatively small number of codes available to communicate with the tracking unit from the cellular network and central station. More particularly, a typical arrangement may provide eight basic codes and two "wildcard" codes. The two wildcard codes are reserved for future or other uses. A particular tracking device will respond directly to any of the eight basic codes. For example, the doors could be locked or unlocked, a present location downloaded from the vehicle, etc.

In accordance with this feature, the tracking device may respond differently to the same code or command depending upon the state or condition of the tracking device. For example, if an alarm is triggered at the vehicle, it may be desired that the tracking device continue to send the alarm signal until confirmation is received that the central monitoring station has received the alarm signal. This confirmation can be sent using the same code as may provide another function if the device were not indicating an alarm. Any of a number of such tracking device conditions may trigger a different message to be interpreted from the received code. For example, if any of the above Alerts A–E were triggered, the receipt of a predetermined code, such as code eight, would confirm receipt of the alert by the central station, and this receipt of code eight would not cause the other response (no alarm triggered) in the tracking device. Of course this concept can be extended to other features as will be appreciated by those skilled in the art.

In accordance with another feature, the rate of sending the location or position data (or change in position data) from the vehicle may be varied to reduce system usage and thereby reduce expenses. More particularly, in one embodiment, the rate of sending may be based upon how long the vehicle has remained stationary. This time period may be selected by the user. For example, the selected time may be in the range of 15 minutes to six hours. If the vehicle has been stationary for the selected time period, then the rate of transmission may be reduced. This reduces or eliminates the need to send home position data and send all the over 15-minute stops made that day. Otherwise, that is when the vehicle is moving, the device may send data at a faster rate. Of course, a system user would not likely be interested in quick updates, especially where the position information is not changing. Conversely, if the vehicle is being moved, it may be desirable to receive more frequent position updates.

Another variation of this transmission rate conservation feature, bases the rate of transmission on the vehicle position. For example, a reduced rate of transmission may be selected if the vehicle is in a predetermined area where the user has a lesser interest in quickly updated position information. The user may also have a reduced interest in an area that can be defined outside of a predetermined distance from a reference point.

Yet another variation of the vehicle position transmission rate conservation feature is based upon the vehicle's speed, such as the vehicle's average or maximum speed, for example. Accordingly, if the vehicle is traveling above a preset speed, the rate of transmission may be increased.

In accordance with another aspect of the invention, the tracking device may send the alert indication a predetermined number of times without receiving an acknowledgment as described above, and then wait until the vehicle position has changed before trying again or the cell re-registers or its RSS (received signal strength) changes. Thus, power is conserved. When the vehicle has moved to a new position, any obstructions may no longer be present thereby increasing the likelihood of a successful communication. In addition, the change in position may be determined when the vehicle is sensed to be moving about a predetermined relatively small speed, such as greater than 1 mph, for example.

In all of the embodiments and variations described herein, the tracking device may communicate with one or more other vehicle devices via a vehicle data communications bus. Further aspects of interfacing with a vehicle data communications bus are described in U.S. Pat. Nos. 5,719,551 and 6,011,460 assigned to the assignee of the present invention.

Yet another aspect relates to efficient use of available codes on the cellular telephone control channel. In one particular example, ten codes may be available to be transmitted from the monitoring station to the vehicle trackers. The first eight or nine codes are command codes that will cause a specific action by the tracking device at the vehicle. The other one or two codes may be wildcard codes as mentioned above, that may set a stand-by mode for one or a group of vehicles, for example.

It may be desirable to provide more than eight commands at the vehicle responsive to the corresponding eight available codes. For example, it may be desirable to set a feature on or off, or to set a different feature setting or threshold. In accordance with this aspect of the invention, the commands at the tracker are determined based upon a series of different command codes being received within a predetermined time window.

For example, the monitoring station may send code 9 that switches the tracker in the car into a stand-by mode for a predetermined time and which causes the tracker to respond with an upstream confirmation code 7 or 9 indicating receiving code 9. During the predetermined time of the stand-by mode another code follows that causes a system programmable feature or setting to change. Note that the second code would otherwise cause a different function at the vehicle. Note that system might operate a function 9 if another code 1–9 is not received in the predetermined time. The following list is exemplary for features resulting from second codes 1–9:

(1) Code 1—Tracker will turn off feature of upstream code caused by vehicle alert being detected.

(2) Code 2—Tracker will turn on feature of upstream code caused by vehicle alert being detected.

(3) Code 3—Tracker deactivates cell receiver from operating due to a non-paying customer for monitoring service. That phone number can then be allocated to another customer.

(4) Code 4—Turn on audio buzzer feature that will sound once each 10 minutes. The monitoring station need only send the command to activate the feature, as the tracker will time the period and drive the buzzer thereafter. The monitoring station will normally not need to send this command because the tracker will be configured out of the box with this feature activated to sound the buzzer every 10 minutes until the next command is received.

(5) Code 5—Turn off the audio buzzer. This is to be sent by the monitoring station after a user has successfully activated his account.

(6) Code 6—Turn on the 80 mph speed limit reporting. This will normally not be sent as this feature will be the default setting of the tracker.

(7) Code 7—Turn off the 80 mph speed limit reporting.

(8) Code 8—Increase speed limit 5 mph and increase the time 5 minutes.

(9) Code 9—Decrease speed limit 5 mph and decrease the time 5 minutes, and wait 5 minutes if another code number follows. It could operate this way to allow another set of codes to change more features.

In this example, in response to the tracker receiving the system code 1–9, the tracker sends an upstream code 7 to acknowledge receipt of the system code 1–9. Upon receipt of code 9 the tracker waits up to 5 minutes to determine if another system code is received. If no code is received, then the tracker performs the code 9 operation. Of course, in other embodiments other features or settings can be selected.

In general, it may be preferred that the first code sent in a series of two codes; for example, be a code that causes only a minor function to be performed at the vehicle. This so because if the second code is sent from the monitoring station, but not received at the tracker, only a minor function is performed. For example, the first code may switch between armed and disarmed modes. This is in contrast to using a remote engine starting code or engine shutdown code as the first code. The vehicle may be moving or positioned in a marginal reception area, and the second command may not be received by the tracker within the predetermined time window. As will be appreciated by those skilled in the art, this concept of multiple digit codes, can be extended beyond two digits to three or more.

To further conserve cellular transmissions and as described above, the tracker may be set to record a position based upon a determined event. Only this recorded position information may be downloaded either by user request or at set times. It is desired that such events be relatively few, but that the information still be helpful to the user.

For example, an event for recording of position may be determined based upon the vehicle being stopped for greater than a first time and less than a second time. For example, the first time may be 15 minutes and the second time may be 6 hours. Determination of the vehicle being stopped can be made based upon one or both of the GPS position or the vehicle ignition being turned off. The second time prevents the recording of position information when the vehicle is stopped at the owner's home during the evening, for example. Accordingly, the important information of the vehicle stops being made is recorded and made available to the user, while system communications resources are conserved.

In another example, if the mode is selected to send the vehicles location every 10 min and the vehicle is in the same location for greater than a set time, then no more vehicle locations are sent until the vehicle location has changed to start the every 10 min reporting again.

Other features relating to vehicle control systems are disclosed in copending patent applications entitled VEHICLE TRACKER INCLUDING STATIONARY TIME DETERMINATION AND ASSOCIATED METHODS, application Ser. No. 09/859,727; VEHICLE TRACKER CONSERVING CODES AND RELATED METHODS, application Ser. No. 09/859,673; VEHICLE TRACKER WITH POWER SAVING FEATURES AND RELATED METHODS, application Ser. No. 09/859,728; VEHICLE TRACKER COOPERATING WITH A STARTER INTERRUPT AND RELATED METHODS, application Ser. No. 09/859,973; VEHICLE TRACKER WITH USER NOTIFICATIONS AND ASSOCIATED METHODS, application Ser. No. 09/859,733; VEHICLE TRACKER WITH USER REGISTRATION REMINDER AND RELATED METHODS, application Ser. No. 09/859,971; and VEHICLE TRACKER WITH TEST FEATURES AND RELATED METHODS, application Ser. No. 09/859,729, the entire disclosures of which are incorporated herein by reference.

Many modifications and other embodiments of the invention will come to the mind of one skilled in the art having the benefit of the teachings presented in the foregoing descriptions and the associated drawings. Accordingly, it is understood that the invention is not to be limited to the embodiments disclosed, and that other modifications and embodiments are intended to be included within the spirit and scope of the appended claims.

That which is claimed is:

1. A vehicle tracking system comprising:

a vehicle tracking unit for a vehicle of a type comprising a vehicle alarm indicator, said vehicle tracking unit comprising

a vehicle position determining device,

a wireless communications device, and

a controller connected to said wireless communications device and said vehicle position determining device;

said controller cooperating with said wireless communications device to send an alarm indication alert based upon at least one of an activation of the vehicle alarm indicator continuously for greater than a predetermined time and an activation of the vehicle alarm indicator in a repetitive pattern; and

a monitoring station receiving the alarm indication alert from said vehicle tracking unit.

2. A vehicle tracking system according to claim **1** wherein said controller also cooperates with said vehicle position determining device and said wireless communications device to send vehicle position messages.

3. A vehicle tracking system according to claim **1** wherein said controller monitors drive signals to the vehicle alarm indicator.

4. A vehicle tracking system according to claim **3** wherein the drive signals have at least one of a first and second polarity.

5. A vehicle tracking system according to claim **1** wherein the vehicle alarm indicator comprises at least one of a vehicle horn, and a vehicle siren.

6. A vehicle tracking system according to claim **1** wherein said vehicle position determining device comprises a Global Positioning System (GPS) device.

7. A vehicle tracking system according to claim **1** wherein said wireless communications device comprises a cellular telephone communications device.

8. A vehicle tracking system according to claim **7** wherein said cellular telephone communications device communicates over a cellular control channel.

9. A vehicle tracking system according to claim **1** wherein said monitoring station comprises a user interface for accepting at least one command from a user and sending at least one alert to the user.

10. A vehicle tracking system according to claim **9** wherein said user interface comprises an Internet interface.

11. A vehicle tracking system according to claim **9** wherein said user interface comprises a telephone network interface.

12. A vehicle tracking unit for use with a vehicle comprising a vehicle alarm indicator, the vehicle tracking unit comprising:

a vehicle position determining device;

a wireless communications device; and

a controller connected to said wireless communications device and said vehicle position determining device;

said controller cooperating with said wireless communications device to send an alarm indication alert responsive to an activation of the vehicle alarm indicator continuously for greater than a predetermined time.

13. A vehicle tracking unit according to claim 12 wherein said controller further sends an alarm indication alert responsive to activation of the vehicle alarm indicator in a repetitive pattern.

14. A vehicle tracking unit according to claim 12 wherein said controller monitors drive signals to the vehicle alarm indicator.

15. A vehicle tracking unit according to claim 14 wherein the drive signals have at least one of a first and second polarity.

16. A vehicle tracking unit according to claim 12 wherein the vehicle alarm indicator comprises at least one of a vehicle horn, and a vehicle siren.

17. A vehicle tracking unit according to claim 12 wherein said vehicle position determining device comprises a Global Positioning System (GPS) device.

18. A vehicle tracking unit according to claim 12 wherein said wireless communications device comprises a cellular telephone communications device.

19. A vehicle tracking unit according to claim 18 wherein said cellular telephone communications device communicates over a cellular control channel.

20. A vehicle tracking unit for use with a vehicle comprising a vehicle alarm indicator, the vehicle tracking unit comprising:

a vehicle position determining device;

a wireless communications device; and

a controller connected to said wireless communications device and said vehicle position determining device;

said controller cooperating with said wireless communications device to send an alarm indication alert responsive to an activation of the vehicle alarm indicator in a repetitive pattern.

21. A vehicle tracking unit according to claim 20 wherein said controller monitors drive signals to the vehicle alarm indicator.

22. A vehicle tracking unit according to claim 21 wherein the drive signals have at least one of a first and second polarity.

23. A vehicle tracking unit according to claim 20 wherein the vehicle alarm indicator comprises at least a vehicle horn, and a vehicle siren.

24. A vehicle tracking unit according to claim 20 wherein said vehicle position determining device comprises a Global Positioning System (GPS) device.

25. A vehicle tracking unit according to claim 20 wherein said wireless communications device comprises a cellular telephone communications device.

26. A vehicle tracking unit according to claim 25 wherein said cellular telephone communications device communicates over a cellular control channel.

27. A vehicle tracking system comprising:

a vehicle tracking unit for a vehicle of a type comprising a vehicle device, said vehicle tracking unit comprising:

a vehicle position determining device,

a wireless communications device, and

a controller connected to said wireless communications device and said vehicle position determining device for sending messages relating to vehicle position;

said controller comprising a dual polarity compatible output for the vehicle device; and

a monitoring station communicating with said vehicle tracking unit.

28. A vehicle tracking system according to claim 27 wherein the vehicle device comprises a vehicle alarm indicator; and wherein said controller further monitors signals relating to activation of the vehicle alarm indicator and sends an alarm indication alert with position information from said vehicle position determining device and using said wireless communication device.

29. A vehicle tracking system according to claim 27 wherein said controller generates a first polarity output pulse followed by a second polarity output pulse on said dual polarity compatible output.

30. A vehicle tracking system according to claim 27 wherein said controller generates a repeating pattern of a first polarity output pulse followed by a second polarity output pulse on said dual polarity compatible output.

31. A vehicle tracking system according to claim 27 wherein said controller senses an actual polarity of the device and uses the actual polarity for the dual polarity compatible output.

32. A vehicle tracking system according to claim 27 wherein the vehicle device comprises a vehicle horn; and wherein said controller generates a negative polarity output on said dual polarity compatible output.

33. A vehicle tracking system according to claim 27 wherein the vehicle device comprises a vehicle alarm indicator siren; and wherein said controller generates a positive polarity output on said dual polarity compatible output.

34. A vehicle tracking system according to claim 27 wherein said vehicle position determining device comprises a Global Positioning System (GPS) device.

35. A vehicle tracking system according to claim 27 wherein said wireless communications device comprises a cellular telephone communications device.

36. A vehicle tracking system according to claim 35 wherein said cellular telephone communications device communicates over a cellular control channel.

37. A vehicle tracking system according to claim 27 wherein said monitoring station comprises a user interface for accepting at least one command from a user and sending at least one alert to the user.

38. A vehicle tracking system according to claim 37 wherein said user interface comprises an Internet interface.

39. A vehicle tracking system according to claim 27 wherein said user interface comprises a telephone network interface.

40. A vehicle tracking unit for a vehicle of a type comprising a vehicle device, the vehicle tracking unit comprising:

a vehicle position determining device;

a wireless communications device; and

a controller connected to said wireless communications device and said vehicle position determining device for sending messages relating to vehicle position;

said controller comprising a dual polarity compatible output for the vehicle device.

41. A vehicle tracking unit according to claim 40 wherein the vehicle device comprises a vehicle alarm indicator; and wherein said controller further monitors signals relating to activation of the vehicle alarm indicator and sends an alarm indication alert with position information from said vehicle position determining device and using said wireless communication device.

42. A vehicle tracking unit according to claim 40 wherein said controller generates a first polarity output pulse followed by a second polarity output pulse on said dual polarity compatible output.

43. A vehicle tracking unit according to claim 40 wherein said controller generates a repeating pattern of a first polarity output pulse followed by a second polarity output pulse on said dual polarity compatible output.

44. A vehicle tracking unit according to claim 40 wherein said controller senses an actual polarity of the device and uses the actual polarity for the dual polarity compatible output.

45. A vehicle tracking unit according to claim 40 wherein the vehicle device comprises a vehicle horn; and wherein said controller generates a negative polarity output on said dual polarity compatible output.

46. A vehicle tracking unit according to claim 40 wherein the vehicle device comprises a vehicle alarm indicator siren; and wherein said controller generates a positive polarity output on said dual polarity compatible output.

47. A method for operating a vehicle tracking-unit for a vehicle of a type comprising a vehicle device, the vehicle tracking unit comprising a vehicle position determining device, a wireless communications device, and a controller connected to the wireless communications device and the vehicle position determining device, the method comprising:

using the controller to generate a dual polarity compatible output for the vehicle device.

48. A method according to claim 47 wherein the vehicle device comprises a vehicle alarm indicator; and wherein using the controller comprises using the controller to monitor signals relating to an activation of the vehicle alarm indicator and to send an alarm indication alert with position information from the vehicle position determining device and using the wireless communication device.

49. A method according to claim 47 wherein using the controller comprises using the controller to generate a first polarity output pulse followed by a second polarity output pulse as the dual polarity compatible output.

50. A method according to claim 47 wherein using the controller comprises using the controller to generate a repeating pattern of a first polarity output pulse followed by a second polarity output pulse as the dual polarity compatible output.

51. A method according to claim 47 wherein using the controller comprises using the controller to sense an actual polarity of the device and to use the actual polarity as the dual polarity compatible output.

52. A method according to claim 47 wherein the vehicle device comprises a vehicle horn; and wherein using the controller comprises using the controller to generate a negative polarity output as the dual polarity compatible output.

53. A method according to claim 47 wherein the vehicle device comprises a vehicle alarm indicator siren; and wherein using the controller comprises using the controller to generate a positive polarity output as the dual polarity compatible output.

* * * * *

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 6,606,561 B2
DATED : August 12, 2003
INVENTOR(S) : Kenneth E. Flick

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,
Item [56], **References Cited**, OTHER PUBLICATIONS, insert -- * -- between "2002" and "This"

Column 3,
Line 37, delete "diagrams" insert -- diagram --
Line 41, insert -- a -- between "is" and "more"

Column 4,
Line 41, delete "illustrated" insert -- illustratively --

Column 5,
Line 35, insert -- be -- between "will" and "described"

Column 7,
Line 28, insert -- in -- between "not" and "operation"
Line 43, delete "61." insert -- 61 --

Column 16,
Line 34, delete "contains" insert -- contain --

Column 17,
Line 28, delete "this-alert" insert -- this alert --
Line 34, delete "transmission" insert -- transmissions --

Column 18,
Line 20, delete "transmitting" insert -- transmitted --
Line 58, delete "This aspect is further understood with reference to the enclosed flowcharts **81-83**(FIGS. 5A-5C)." insert at the end of line 57 -- This aspect is further understood with reference to the enclosed flowcharts **81-83**(FIGS. 5A-5C). --

Column 19,
Line 35, delete "ore" insert -- more --

Column 20,
Line 31, delete "ever" insert -- every --

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DATED : August 12, 2003
INVENTOR(S) : Kenneth E. Flick

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

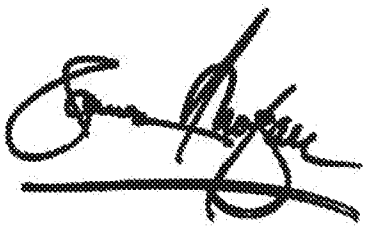
Column 24,
Line 12, insert -- and a vehicle battery -- after "indicator"
Line 23, insert -- said controller monitoring voltage dips of the vehicle battery; and -- after "and"
Line 58, insert -- and a vehicle battery -- after "indicator"
Line 67, delete "time." insert -- time, and for monitoring voltage dips of the vehicle battery. --

Column 25,
Line 24, insert -- and a vehicle battery -- after "indicator"
Line 33, delete "pattern." insert -- pattern, and for monitoring voltage dips the vehicle battery. --
Line 42, insert -- one of -- between "least" and "a"
Line 55, delete ";"
Line 57, delete "and"

Column 27,
Line 13, delete "tracking-unit" insert -- tracking unit --

Signed and Sealed this

Twenty-third Day of December, 2003



JAMES E. ROGAN
Director of the United States Patent and Trademark Office

UNITED STATES PATENT AND TRADEMARK OFFICE

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Column 19,
Line 35, delete "ore" insert -- more --

Column 20,
Line 31, delete "ever" insert -- every --

Column 21,
Line 64, delete "hen" and insert -- then --.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 6,606,561 B2 Page 2 of 2
DATED : August 12, 2003
INVENTOR(S) : Kenneth E. Flick

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 24,
Line 12, insert -- and a vehicle battery -- after "indicator"
Line 23, insert -- said controller monitoring voltage dips of the vehicle battery; and -- after "and"
Line 58, insert -- and a vehicle battery -- after "indicator"
Line 67, delete "time." insert -- time, and for monitoring voltage dips of the vehicle battery. --

Column 25,
Line 24, insert -- and a vehicle battery -- after "indicator"
Line 33, delete "pattern." insert -- pattern, and for monitoring voltage dips of the vehicle battery. --
Line 42, insert -- one of -- between "least" and "a"
Line 55, delete ":"
Line 57, delete "and"

Column 27,
Line 13, delete "tracking-unit" insert -- tracking unit --

This certificate supersedes Certificate of Correction issued December 23, 2003.

Signed and Sealed this

Thirteenth Day of July, 2004

JON W. DUDAS
Acting Director of the United States Patent and Trademark Office

US007149623B2

(12) **United States Patent**
Flick

(10) **Patent No.: US 7,149,623 B2**
(45) **Date of Patent: Dec. 12, 2006**

(54) **VEHICLE TRACKER INCLUDING INPUT/OUTPUT FEATURES AND RELATED METHODS**

(75) Inventor: **Kenneth E. Flick**, Douglasville, GA (US)

(73) Assignee: **Omega Patents, L.L.C.**, Douglasville, GA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 277 days.

(21) Appl. No.: **10/383,496**

(22) Filed: **Mar. 7, 2003**

(65) **Prior Publication Data**

US 2003/0154027 A1 Aug. 14, 2003

Related U.S. Application Data

(63) Continuation of application No. 09/859,972, filed on May 17, 2001, now Pat. No. 6,606,561.

(60) Provisional application No. 60/264,811, filed on Jan. 29, 2001, provisional application No. 60/258,005, filed on Dec. 22, 2000, provisional application No. 60/251,552, filed on Dec. 6, 2000, provisional application No. 60/252,125, filed on Nov. 20, 2000, provisional application No. 60/246,463, filed on Nov. 7, 2000, provisional application No. 60/236,890, filed on Sep. 29, 2000, provisional application No. 60/222,777, filed on Aug. 3, 2000, provisional application No. 60/205,178, filed on May 17, 2000.

(51) **Int. Cl.**
G01C 21/26 (2006.01)

(52) **U.S. Cl.** **701/207**; 340/506; 340/531; 340/500; 340/515

(58) **Field of Classification Search** 701/213, 701/36, 211, 200, 207; 340/853.2, 901, 988, 340/989, 991, 992, 993, 425.5, 506, 531, 340/500, 515

See application file for complete search history.

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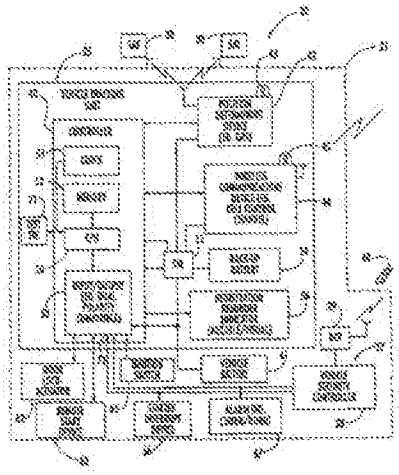
Primary Examiner—Cuong Nguyen
(74) *Attorney, Agent, or Firm*—Allen, Dyer, Doppelt, Milbrath & Gilchrist, P.A.

(57) **ABSTRACT**

A tracking system includes a vehicle tracking unit for a vehicle of a type including an alarm indicator, and a monitoring station receiving the alarm indication alert from the vehicle tracking unit. The vehicle tracking unit may include a vehicle position determining device, a wireless communications device, and a controller connected to the wireless communications device and the vehicle position determining device. The controller may cooperate with the wireless communications device to send an alarm indication alert responsive to at least one of activation of the vehicle alarm indicator continuously for greater than a predetermined time and activation of the vehicle alarm indicator in a repetitive pattern. The controller may also include a dual polarity compatible output for a vehicle device, such as the vehicle alarm indicator.

34 Claims, 10 Drawing Sheets



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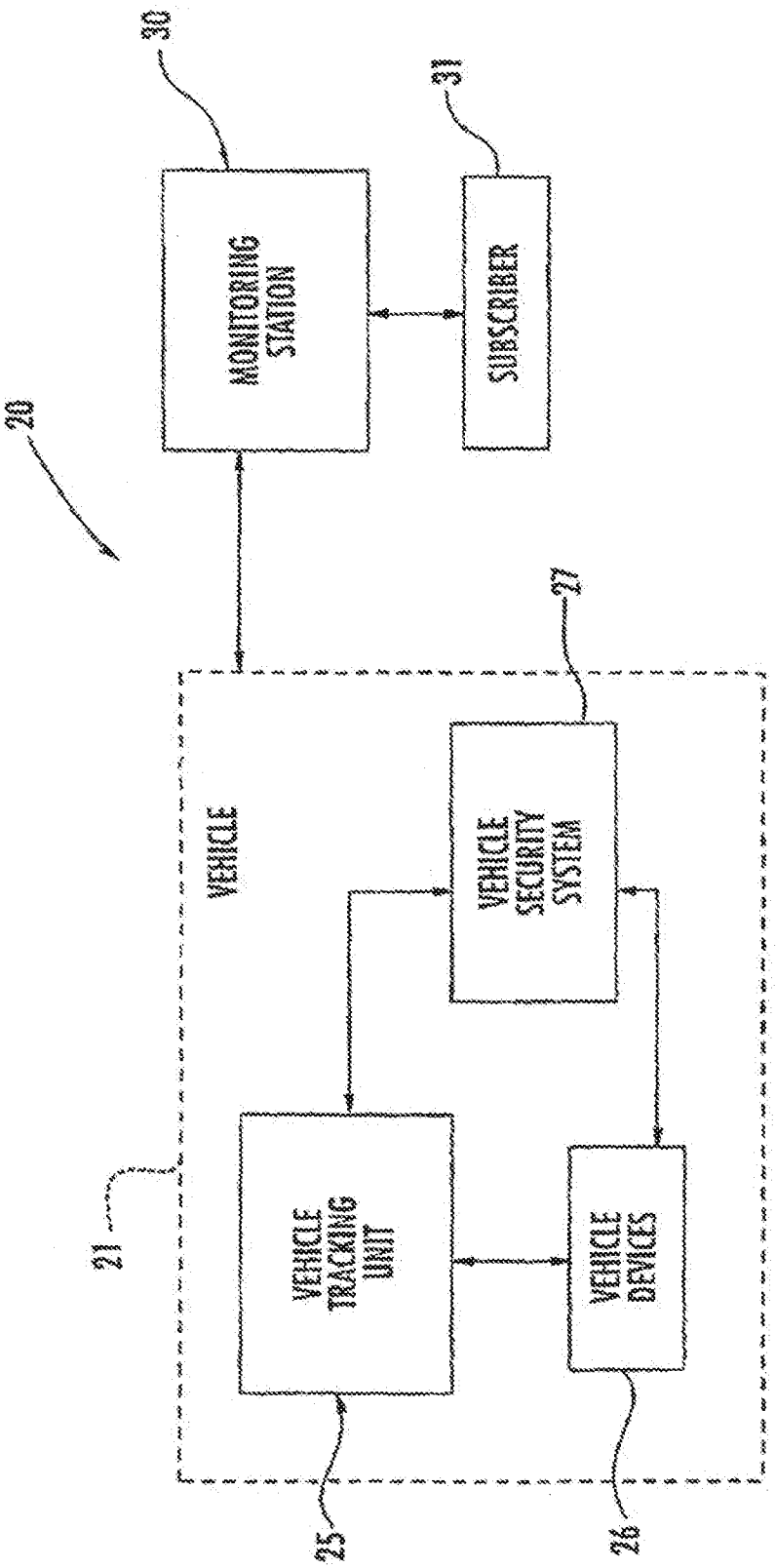
20
30
MONITORING STATION
31
SUBSCRIBER
21
VEHICLE
27
VEHICLE SECURITY SYSTEM
VEHICLE TRACKING UNIT
VEHICLE DEVICES
25
26

FIG. 1.

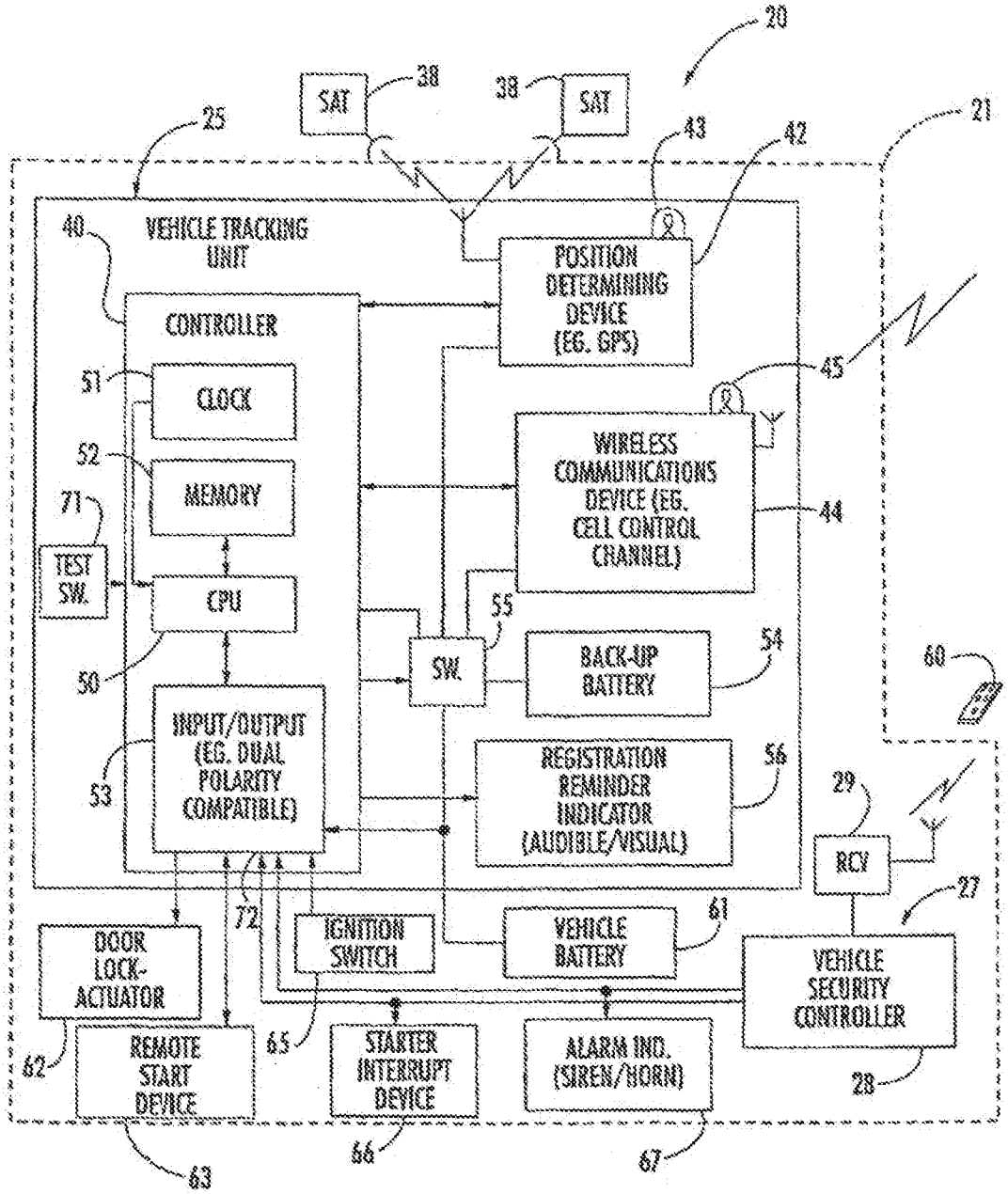
20
SAT
38
38
SAT
25
43
42
21
40
VEHICLE TRACKING UNIT
POSITION DETERMINING DEVICE (EG. GPS)
CONTROLLER
45
51
CLOCK
52
MEMORY
WIRELESS COMMUNICATIONS DEVICE (EG. CELL CONTROL CHANNEL)
44
71
TEST SW.
CPU
55
50
SW.
BACK-UP BATTERY
54
60
INPUT/OUTPUT (EG. DUAL POLARITY COMPATIBLE)
53
REGISTRATION REMINDER INDICATOR (AUDIBLE/VISUAL)
56
29
RCV
27
72
IGNITION SWITCH
VEHICLE BATTERY
61
DOOR LOCK-ACTUATOR
VEHICLE SECURITY CONTROLLER
62
REMOTE START DEVICE
65
STARTER INTERRUPT DEVICE
ALARM IND. (SIREN/HORN)
28
63
66
67

FIG. 2.

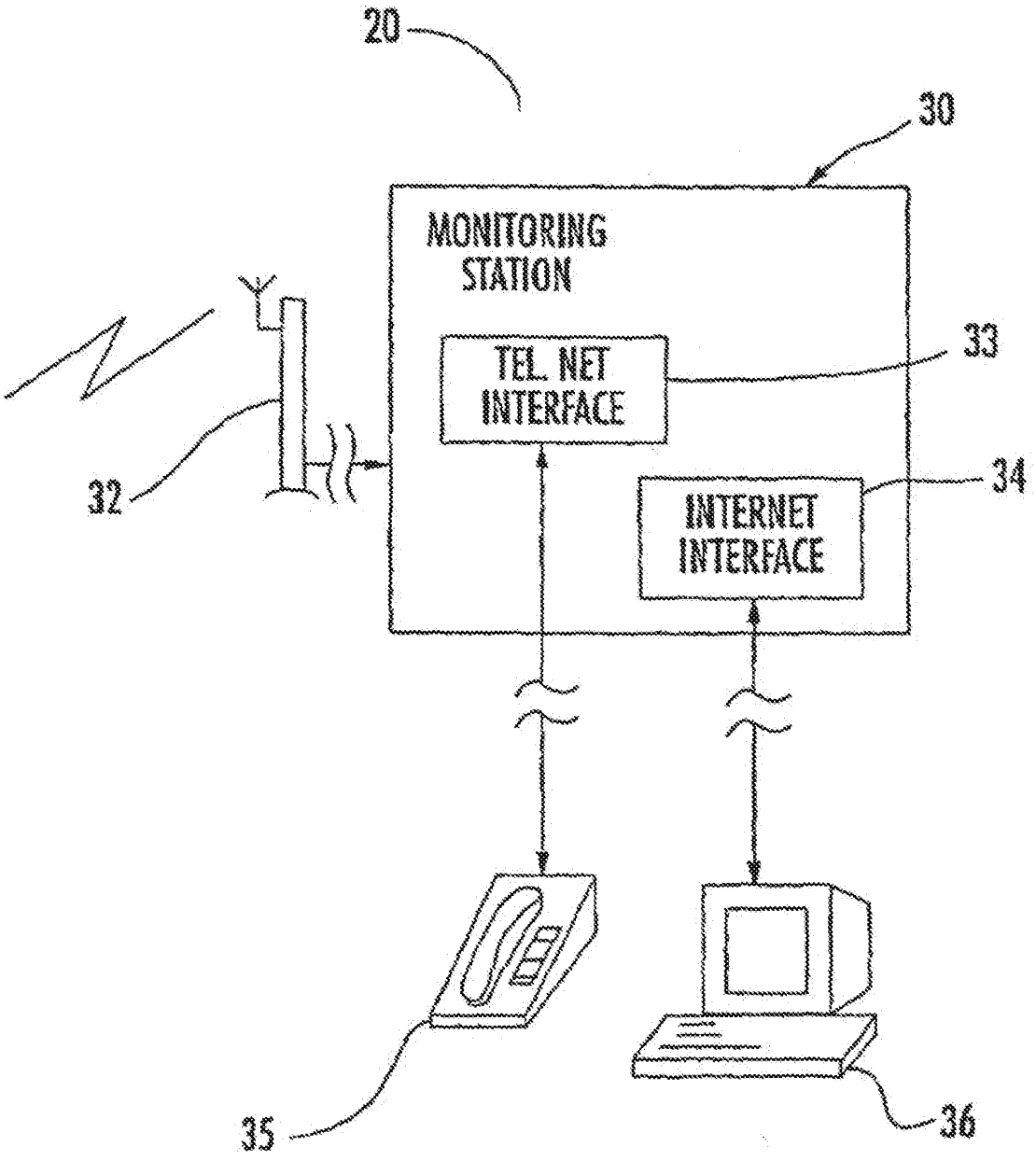
20
30
MONITORING STATION
TEL. NET INTERFACE
33
32
INTERNET INTERFACE
34
35
36

FIG. 3.

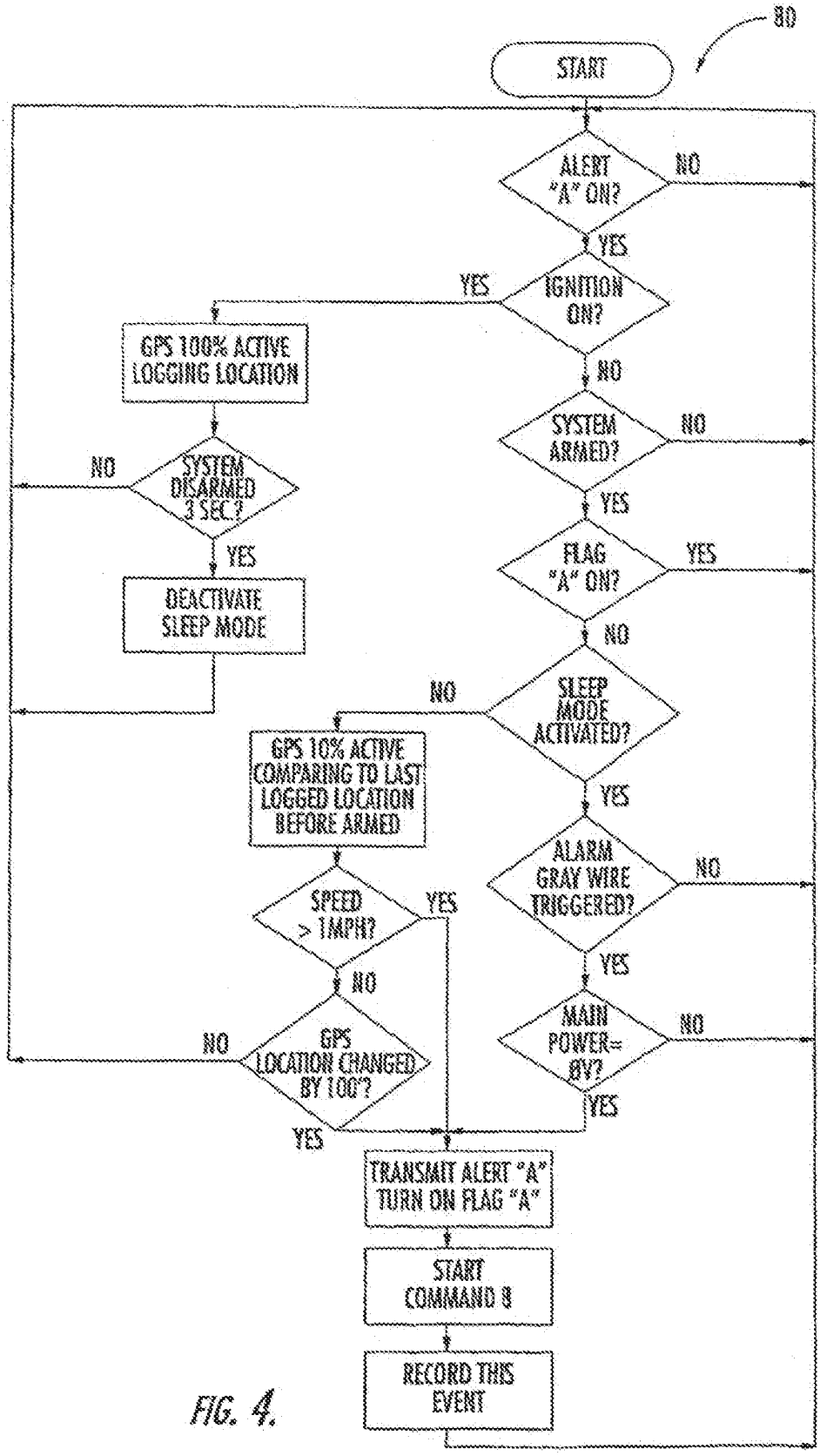
80
START
ALERT "A" ON?
NO
YES
IGNITION ON?
YES
GPS 100% ACTIVE LOGGING LOCATION
NO
SYSTEM ARMED?
NO
YES
SYSTEM DISARMED 3 SEC.?
NO
YES
DEACTIVATE SLEEP MODE
FLAG "A" ON?
YES
NO
SLEEP MODE ACTIVATED?
NO
GPS 10% ACTIVE COMPARING TO LAST LOGGED LOCATION BEFORE ARMED
YES
ALARM GRAY WIRE TRIGGERED?
NO
YES
SPEED > 1MPH?
YES
NO
MAIN POWER= 0V?
NO
YES
GPS LOCATION CHANGED BY 100'?
NO
YES
TRANSMIT ALERT "A" TURN ON FLAG "A"
START COMMAND 8
RECORD THIS EVENT

FIG. 4.

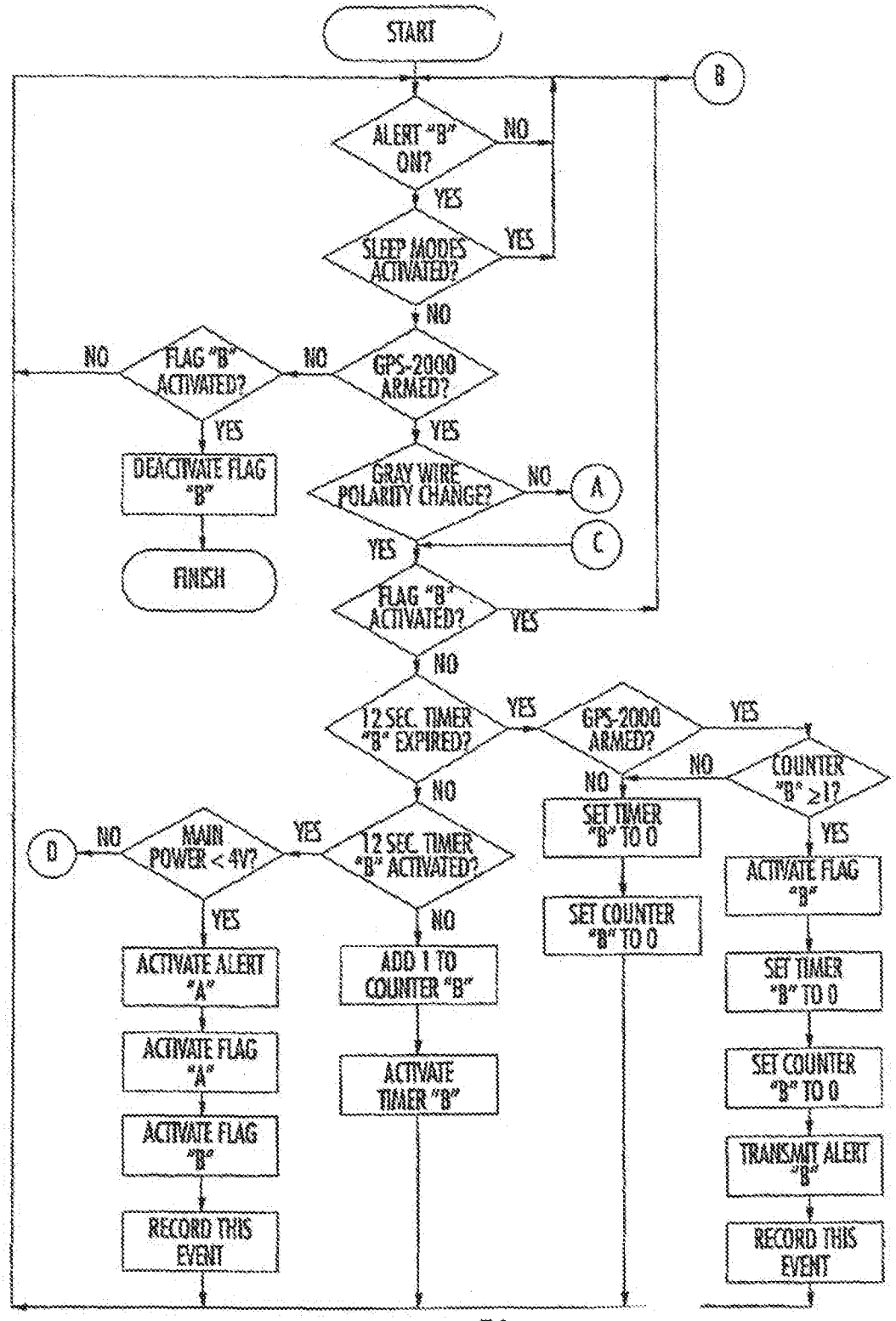
START
B
ALERT "B" ON?
NO
YES
SLEEP MODES ACTIVATED?
YES
NO
FLAG "B" ACTIVATED?
NO
GPS-2000 ARMED?
NO
YES
YES
DEACTIVATE FLAG "B"
GRAY WIRE POLARITY CHANGE?
NO
A
C
YES
FINISH
FLAG "B" ACTIVATED?
YES
NO
12 SEC. TIMER "B" EXPIRED?
YES
GPS-2000 ARMED?
YES
NO
COUNTER "B" ≥1?
NO
NO
SET TIMER "B" TO 0
YES
D
NO
MAIN POWER < 4V?
YES
12 SEC. TIMER "B" ACTIVATED?
SET COUNTER "B" TO 0
ACTIVATE FLAG "B"
YES
NO
ACTIVATE ALERT "A"
ADD 1 TO COUNTER "B"
SET TIMER "B" TO 0
ACTIVATE FLAG "A"
ACTIVATE TIMER "B"
SET COUNTER "B" TO 0
ACTIVATE FLAG "B"
TRANSMIT ALERT "B"
RECORD THIS EVENT
RECORD THIS EVENT

FIG. 5A.

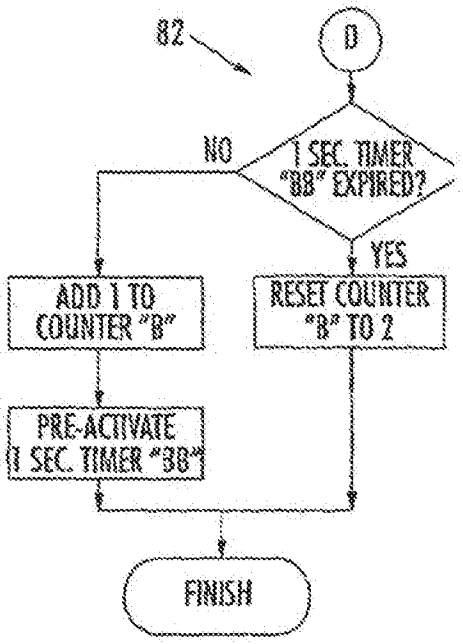
82
D
1 SEC. TIMER "BB" EXPIRED?
NO
YES
ADD 1 TO COUNTER "B"
RESET COUNTER "B" TO 2
PRE-ACTIVATE 1 SEC. TIMER "3B"
FINISH

FIG. 5B.

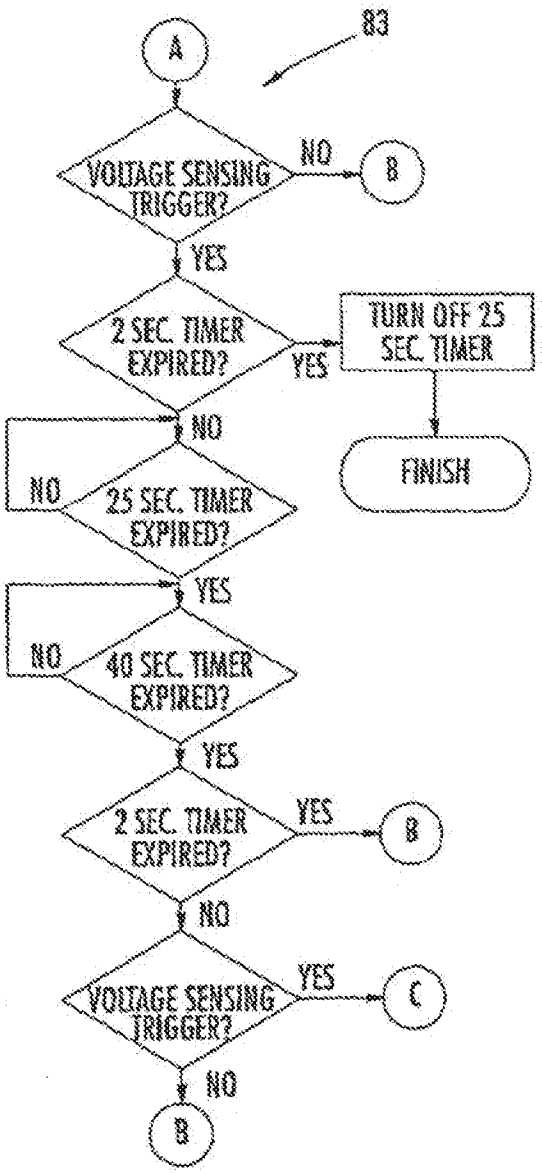
83
A
VOLTAGE SENSING TRIGGER?
NO
B
YES
2 SEC. TIMER EXPIRED?
YES
TURN OFF 25 SEC. TIMER
FINISH
NO
NO
25 SEC. TIMER EXPIRED?
YES
NO
40 SEC. TIMER EXPIRED?
YES
2 SEC. TIMER EXPIRED?
YES
B
NO
VOLTAGE SENSING TRIGGER?
YES
C
NO
B

FIG. 5C.

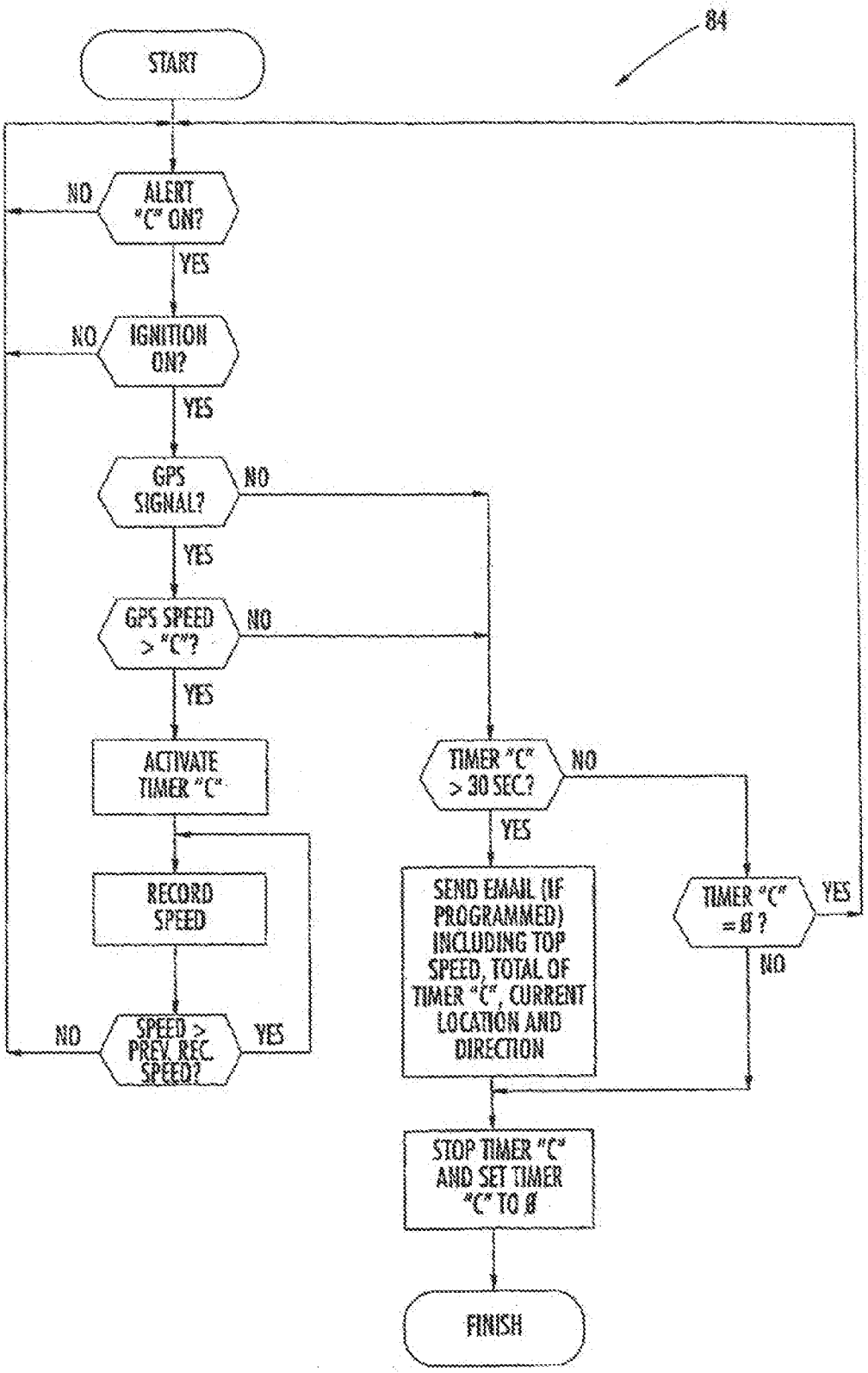
84
START
ALERT "C" ON?
NO
YES
IGNITION ON?
NO
YES
GPS SIGNAL?
NO
YES
GPS SPEED > "C"?
NO
YES
ACTIVATE TIMER "C"
RECORD SPEED
SPEED > PREV. REC. SPEED?
NO
YES
TIMER "C" > 30 SEC.?
NO
YES
SEND EMAIL (IF PROGRAMMED) INCLUDING TOP SPEED, TOTAL OF TIMER "C", CURRENT LOCATION AND DIRECTION
TIMER "C" = Ø ?
YES
NO
STOP TIMER "C" AND SET TIMER "C" TO Ø
FINISH

FIG. 6.

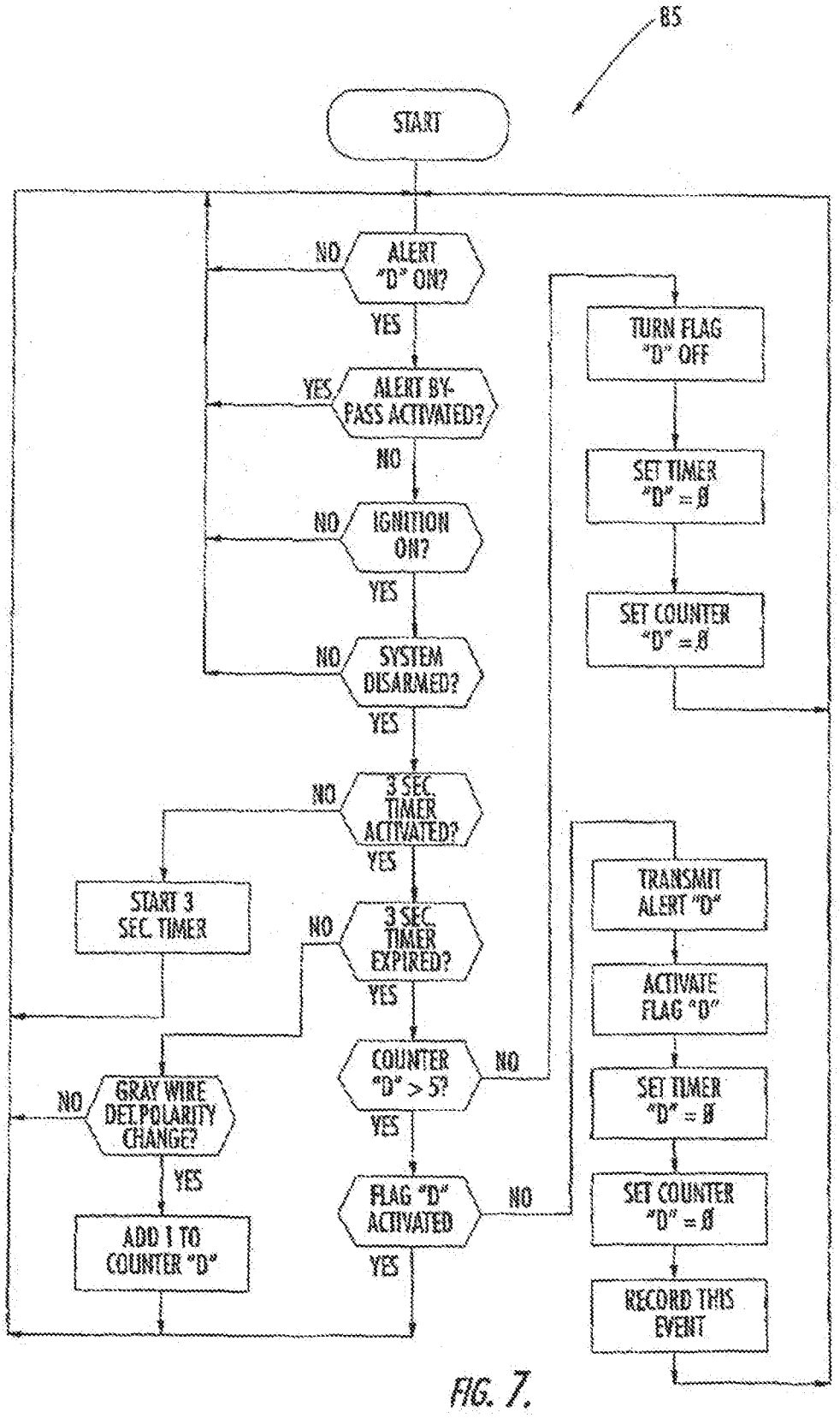
85
START
ALERT "D" ON?
NO
YES
ALERT BY-PASS ACTIVATED?
YES
NO
IGNITION ON?
NO
YES
SYSTEM DISARMED?
NO
YES
3 SEC. TIMER ACTIVATED?
NO
YES
START 3 SEC. TIMER
3 SEC. TIMER EXPIRED?
NO
YES
COUNTER "D" > 5?
NO
YES
GRAY WIRE DET. POLARITY CHANGE?
NO
YES
ADD 1 TO COUNTER "D"
FLAG "D" ACTIVATED
NO
YES
TURN FLAG "D" OFF
SET TIMER "D" = Ø
SET COUNTER "D" = Ø
TRANSMIT ALERT "D"
ACTIVATE FLAG "D"
SET TIMER "D" = Ø
SET COUNTER "D" = Ø
RECORD THIS EVENT

FIG. 7.

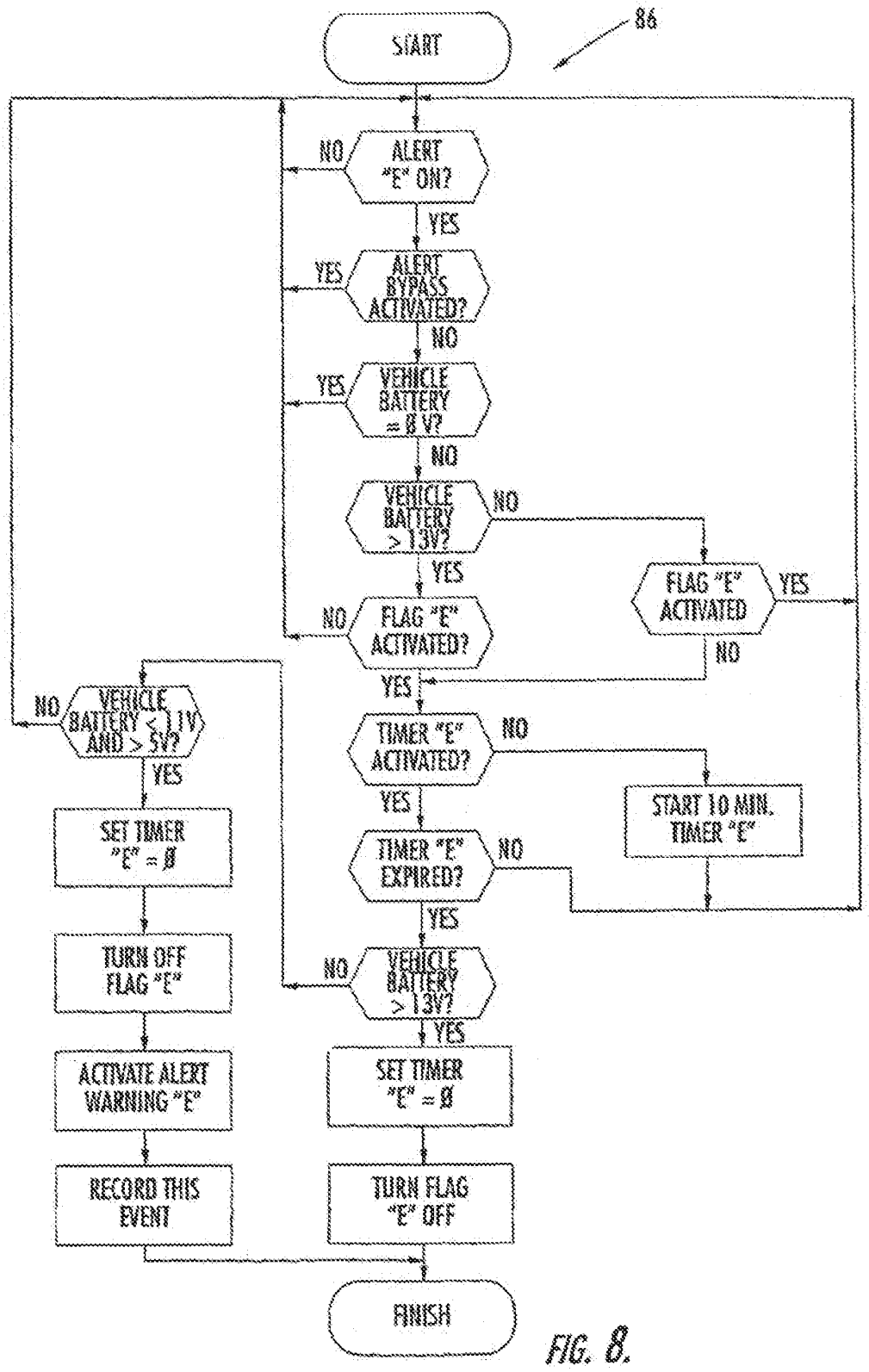
86
START
ALERT "E" ON?
NO
YES
ALERT BYPASS ACTIVATED?
YES
NO
VEHICLE BATTERY = Ø V?
YES
NO
VEHICLE BATTERY > 13V?
NO
YES
FLAG "E" ACTIVATED
YES
NO
FLAG "E" ACTIVATED?
NO
YES
VEHICLE BATTERY < 1.1V AND > 5V?
NO
YES
TIMER "E" ACTIVATED?
NO
YES
START 10 MIN. TIMER "E"
SET TIMER "E" = Ø
TIMER "E" EXPIRED?
NO
YES
TURN OFF FLAG "E"
VEHICLE BATTERY > 13V?
NO
YES
ACTIVATE ALERT WARNING "E"
SET TIMER "E" = Ø
RECORD THIS EVENT
TURN FLAG "E" OFF
FINISH

FIG. 8.

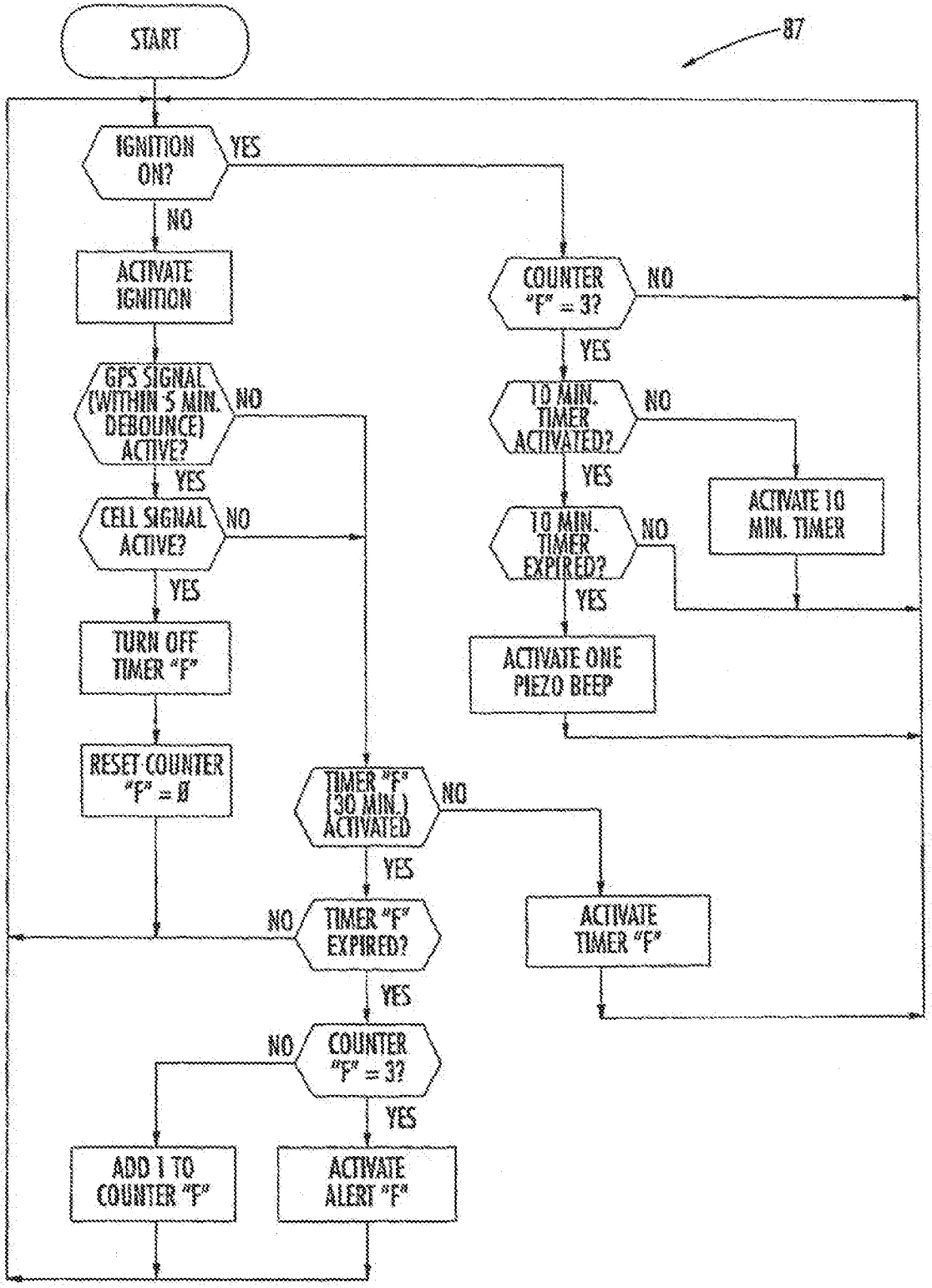
87
START
IGNITION ON?
YES
NO
ACTIVATE IGNITION
GPS SIGNAL (WITHIN 5 MIN. DEBOUNCE) ACTIVE?
NO
YES
CELL SIGNAL ACTIVE?
NO
YES
TURN OFF TIMER "F"
RESET COUNTER "F" = 0
COUNTER "F" = 3?
NO
YES
10 MIN. TIMER ACTIVATED?
NO
YES
ACTIVATE 10 MIN. TIMER
10 MIN. TIMER EXPIRED?
NO
YES
ACTIVATE ONE PIEZO BEEP
TIMER "F" (30 MIN.) ACTIVATED
NO
YES
ACTIVATE TIMER "F"
TIMER "F" EXPIRED?
NO
YES
COUNTER "F" = 3?
NO
YES
ADD 1 TO COUNTER "F"
ACTIVATE ALERT "F"

FIG. 9.

VEHICLE TRACKER INCLUDING INPUT/OUTPUT FEATURES AND RELATED METHODS

This application is a continuation of Ser. No. 09/859,972 filed on May 17, 2001.

RELATED APPLICATIONS

The present application is based upon copending provisional application serial NOs. 60/264,811 filed on Jan. 29, 2001; 60/258,005, filed Dec. 22, 2000; 60/251,552, filed Dec. 6, 2000; 60/252,125, filed Nov. 20, 2000; 60/236,890, filed Sep. 29, 2000; 60/246,463, filed Nov. 7, 2000; 60/222,777, filed Aug. 3, 2000; and 60/205,178, filed May 17, 2000, the entire contents of each of which are incorporated herein by reference.

FIELD OF THE INVENTION

The present invention relates to the field of vehicle devices, and, more particularly, to a tracking and alerting system for a vehicle.

BACKGROUND OF THE INVENTION

Motor vehicles, such as passenger cars, trucks, busses, fleet vehicles, etc. are widely used and knowing the locations of such vehicle is often desired. For example, should a vehicle be stolen, it would be beneficial to know the vehicle's location so that authorities could be promptly and accurately directed to retrieve the vehicle. Indeed, the tracking system could plot the getaway path of the thief.

For a company with hired drivers, it may desirable to know the driver's whereabouts during the course of the day. Similarly, a rental car agency or other fleet operator, for example, may wish to know the whereabouts of its fleet of vehicles.

It may also be desirable to track the location of a vehicle as it used throughout the course of a normal day. For parents of younger or older drivers, for example, knowledge of the vehicle's location may provide some assurance that the driver is at designated locations and following a prescribed route.

A number of patents disclose various systems and approaches to tracking vehicles. For example, U.S. Pat. No. 5,223,844 discloses a tracking system including a control center and a mobile unit installed in the vehicle. The mobile unit may send security warnings to the command center via a wireless transceiver. Position information for the vehicle is determined using a GPS receiver at the vehicle.

U.S. Pat. No. 5,515,043 discloses a similar system which may send one or more preprogrammed telephone messages to a user when away from the vehicle. The user may remotely access location information or cause certain commands to be carried out by entering a personal identification number (PIN).

The widespread availability and use of the Internet has prompted a number of vehicle tracking systems to also make use of the Internet. For example, TelEvoke, Inc. proposed such a system in combination with Chiford Electronics. The system was to provide notification, control and tracking services via the telephone or the Internet. Users could be notified via phone, e-mail, or pager of events such as a car alarm being triggered. Users could control the vehicle remote devices via phone, web, or PDA such as unlocking car doors. Additionally, users could track TelEvoke-enabled vehicles on the Internet or via the telephone. An Internet map could be viewed by the user showing the actual and prior vehicle locations. TelEvoke offered its services via a centralized fully automated Network Operations Center. To reduce the communications costs, it was proposed to use the control channel of the cellular telephone network.

There are, of course, a number of vehicles which come from the manufacturer with some form of security system already installed. In addition, a number of vehicles are also equipped with aftermarket security systems. Many conventional vehicle tracking units may not be readily installed in vehicles, particularly those vehicles already including a vehicle security system. In addition, complexity of installation may significantly increase the system costs.

SUMMARY OF THE INVENTION

In view of the foregoing background, it is therefore an object of the invention to provide a vehicle tracking unit and related methods that permit ready interface to devices in the vehicle, such as those devices which may be part of an existing vehicle security system.

This and other objects, features and advantages in accordance with the present invention are provided by a vehicle tracking system comprising a vehicle tracking unit for a vehicle of a type including an alarm indicator, and a monitoring station receiving the alarm indication alert from the vehicle tracking unit. The vehicle tracking unit may include a vehicle position determining device, a wireless communications device, and a controller connected to the wireless communications device and the vehicle position determining device. The controller may monitor signals relating to activation of the vehicle alarm indicator and send an alarm indication alert, such as with position information from the vehicle position determining device, and using the wireless communication device.

More particularly, the controller may send an alarm indication alert responsive to a continuous activation of the alarm indicator for greater than a predetermined time. Alternately, or in addition thereto, the controller may send an alarm indication alert responsive to a repetitive pattern of alarm indicator activations. In other words, the controller may be configured to distinguish between normal operation of a vehicle horn by the driver, and activation of the horn by a security system. The controller may also monitor signals of at least one of a first and second polarity. Accordingly, the tracking unit may be readily interfaced to vehicles including security systems.

In one variation, the controller monitors signals to the vehicle alarm indicator. In another variation, the controller monitors signals of voltage dips of the vehicle battery. The vehicle alarm indicator may comprise a vehicle horn, and/or a vehicle siren.

The vehicle position determining device may include a Global Positioning System (GPS) device. The wireless communications device may comprise a cellular telephone communications device, such as operating over a cellular control channel.

The monitoring station may comprise a user interface for accepting at least one command from a user and sending at least one alert to the user. For example, the user interface may include an Internet interface, and/or a telephone network interface.

Another advantageous aspect of the invention relates to compatibility of the outputs of the vehicle tracking unit. More particularly, the controller may include a dual polarity compatible output for a vehicle device, such as the vehicle

alarm indicator. The controller may further monitor signals relating to activation of the vehicle alarm indicator and send an alarm indication alert with position information from the vehicle position determining device and using the wireless communication device.

The controller may generate a first polarity output pulse followed by a second polarity output pulse on the dual polarity compatible output. The controller may also generate a repeating pattern of a first polarity output pulse followed by a second polarity output pulse on the dual polarity compatible output. In yet other embodiments, the controller may sense an actual polarity of the device and thereafter use the actual polarity for the dual polarity compatible output.

Where the vehicle device is a vehicle horn, the controller may typically be configured to generate a negative polarity output on the dual polarity compatible output. Conversely, wherein the vehicle device is a vehicle alarm indicator siren, the controller may be configured to generate a positive polarity output on the dual polarity compatible output.

One method aspect of the invention is for operating a vehicle tracking unit for a vehicle of a type comprising a vehicle alarm indicator. The vehicle tracking unit may include a vehicle position determining device, and a wireless communications device. The method preferably includes determining position information of the vehicle using the vehicle position determining device, determining an alarm condition based upon at least one of activation of the vehicle alarm indicator continuously for greater than a predetermined time and activation of the vehicle alarm indicator in a repetitive pattern, and sending an alarm indication alert from the wireless communications device responsive to determining the alarm condition.

Another method aspect also relates to operating such a vehicle tracking device. The method preferably includes using the controller to generate a dual polarity compatible output for the vehicle device.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** is a simplified block diagrams of a vehicle tracking system in accordance with the present invention.

FIG. **2** is a more detailed block diagram of the vehicle tracking unit as shown in FIG. **1**.

FIG. **3** is more detailed block diagram of the monitoring station as shown in FIG. **1**.

FIG. **4** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle stolen alert.

FIG. **5** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle alarm sounding alert.

FIG. **6** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle speeding alert.

FIG. **7** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating an unauthorized transmitter learned alert.

FIG. **8** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a low battery alert.

FIG. **9** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a GPS or cellular unit failure alert.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

The present invention will now be described more fully hereinafter with reference to the accompanying drawings in which preferred embodiments of the invention are shown. This invention may, however, be embodied in many different forms and should not be construed as limited to the illustrated embodiments set forth herein. Rather, these embodiments are provided so that this disclosure will be thorough and complete, and will fully convey the scope of the invention to those skilled in the art. Like numbers refer to like elements throughout.

Referring to FIGS. **1**–**3**, the vehicle tracking system **20** in accordance with the invention is now initially described. The vehicle system **20** illustratively includes a vehicle tracking unit **25** to be mounted in the vehicle **21** and a monitoring station **30** which is remote from the vehicle and which is typically in a fixed location. In the illustrated embodiment, the vehicle tracking unit **25** interfaces with various vehicle devices, such as may include security sensors, door locks, etc. as will be appreciated by those skilled in the art.

The vehicle tracking unit **25** is also illustratively connected to a separate vehicle security system **27** as may already be installed in the vehicle **21**, from the factory or installed as an aftermarket product. Those of skill in the art will appreciate that in some embodiments of the vehicle tracking system **20** a separate vehicle security system **27** may not be needed, and/or various features thereof can be readily incorporated in the vehicle tracking unit **25**.

The monitoring station **30** may typically service a number of subscribers **31**. As shown perhaps best in FIG. **3**, the monitoring station **30** may include a user interface, such as the schematically illustrated telephone network interface **33** and the internet interface **34** which are schematically coupled to a telephone **35**, and a computer **36**, respectively. Of course in other embodiments, other interfaces may be used and only one of the illustrated interfaces may be needed. Those of skill in the art will also recognize that messages may be sent to a subscriber or user via preprogrammed voice messages, e-mail messages, facsimile messages, pager alerts, etc. In addition commands or instructions from the subscriber can also be input to the monitoring station **30** via the telephone network interface **33** and/or the internet interface **34**, from the subscribers telephone **35** or computer **36**.

The monitoring station **30** is illustrated connected to a cellular telephone tower **32** which, in turn, may communicate with the vehicle tracking unit **25** in some embodiments. Of course, in other embodiments other communications approaches are also contemplated, such as, for example, including satellite communications.

The monitoring station **30** may typically include the necessary modems, and other communications electronics, and computers for its functions which are described in greater detail below. The configuration of such components and their details will be readily apparent to those skilled in the art. Accordingly, no further discussion of these details is needed.

Referring now more specifically to FIG. **2**, additional details of the vehicle tracking unit **25** and devices at the vehicle are now further described. The vehicle tracking unit **25** illustratively includes a controller **40**, a vehicle position determining device **42**, and a wireless communications device **44** connected together. The vehicle position determining device **42** may be provided by a GPS receiver, for example. The GPS receiver typically operates by receiving multiple signals from spaced apart satellites **38** as will be appreciated by those skilled in the art.

In other embodiments, the vehicle position determining device **42** may be provided based upon communications with the cellular telephone network, or based upon other

satellite transmissions, for example. As a particular example, time of arrival techniques are available based upon multiple reception paths to determine position via the cellular telephone network as will be appreciated by those skilled in the art. The vehicle position determining device **42** also illustratively includes an indicator **43** associated therewith, such as for indicating an operating mode, or proper operation of the device as will be addressed in greater detail below.

The wireless communications device **44** may be provided by a cellular telephone transceiver configured to operate on a control channel of the cellular network. Such a control channel may provide nearly universal coverage for the tracking system **20** as will be appreciated by those skilled in the art. In addition, the control channel may offer relatively inexpensive communications between the monitoring station **30** and the vehicle tracking unit **25** as will be appreciated by those skilled in the art. The wireless communications device **44** also illustratively includes an optional status indicator **45** with a similar function as the indicator **43** for the vehicle position determining device.

The wireless communications device **44** in other embodiments, may transmit in the voiceband of the cellular network. Alternately, the wireless communications device may communicate over other networks, such as over satellite, or via wireless internet services, as will be appreciated by those skilled in the art.

The controller **40** illustratively includes a central processing unit (CPU) **50** or other logic circuitry which is connected to a clock signal generator **51** and a memory **52**. In other embodiments, the memory **52** may be embedded memory in the CPU **50**. The controller **40** also includes schematically illustrated input/output circuitry **53** to interface with various vehicle devices. In particular the input/output circuitry **53** may provide dual polarity compatibility for one or more inputs or outputs as will described in greater detail below. One or more of the terminals of the input/output circuitry **53** may also provide both input and output functions as will also be described in greater detail below. This may significantly simplify and accelerate installation of the vehicle tracking unit **25** in the vehicle **21**.

Also illustratively shown as part of the vehicle tracking unit **25** are a back-up battery **54**, and switch **55** connected thereto for selectively powering certain of the components based upon the controller **40**. Of course, the vehicle **21** also includes an electrical system including the vehicle battery **61**. Powering of the vehicle tracking unit **25** is described in greater detail below.

The vehicle **21** also includes a number of other components that may relate to vehicle tracking, security, and/or convenience features provided by the vehicle tracking system **20**. For example, the vehicle **21** may include one or more door lock actuators **62**, an optional remote starting device **63**, a starter interrupt device **66** and an alarm indicator **67**. For example, the alarm indicator may be provided by a vehicle horn or vehicle siren, and/or flashing of the lights.

The optional separate security system **27** illustratively includes a vehicle security controller **28** and a receiver **29** connected thereto. As is conventional, the vehicle security system **27** may be switched between armed and disarmed modes, for example, by one or more uniquely coded remote transmitters **60**. The vehicle security controller **28** may also be capable of learning a new uniquely coded remote transmitter **60** as will be appreciated by those skilled in the art. The vehicle security controller **28** also illustratively is connected to the starter interrupt device **66** and the alarm indicator **67**.

For ease of explanation, a number of the features of the vehicle tracking system **20** are now described. The vehicle tracking system **20** includes a number of features that may simplify installation and maintenance. For example, as shown in FIG. **2**, the vehicle tracking unit **25** may have a test switch **71** connected to the controller **40**.

In normal operation, the controller **40** may be called upon to operate at least one vehicle device. Of course, the controller **40** also cooperates with the wireless communications device **44** and the vehicle position determining device **42** to determine and send vehicle position information to the monitoring station **30**. Moreover, the controller **40** may be switchable to a test mode for test operation of the at least one vehicle device responsive to activation of the test switch **71**.

In some embodiments, the at least one vehicle **15** device may be a plurality of vehicle devices that are tested by operation in sequence. For example, the at least one vehicle device may comprise at least one door lock actuator **62**. The at least one vehicle device may also comprise the starter interrupt device **66**, or the engine remote starter **63** if remote starting is an implemented feature. The at least one vehicle device which is tested, may also be the alarm indicator **67**. Accordingly, an installer, for example, can quickly check that the tracking unit has been properly installed.

To further provide for ready determination of proper operation of the vehicle tracking unit **25**, one or both of the position determining and wireless communications devices **42**, **44** may include associated indicators **43**, **45** as mentioned briefly above, and which provide an indication relating to proper operation. Each indicator **43**, **45** may indicate a mode of operation of the device, its proper operation, or a partial or complete failure of the device.

Another aspect of the invention is that the controller **40** may provide a selectable polarity for the at least one vehicle device based upon sensing thereof. Accordingly, a predetermined activation of the test switch **71** may cause the controller **40** to sense and select the proper polarity. Pressing the test switch **71** for a predetermined time or in a predetermined pattern may sense and set the polarity.

Another feature of the vehicle tracking unit **25** and vehicle tracking system **20** relates to conservation of the number of codes or messages that need to sent to the vehicle tracking unit. In particular, the controller **40** may have a plurality of different controller states and respond differently to a same message from the monitoring station **30** at different times depending upon the controller state at a given time. Accordingly, a number of codes or messages used by the system can be conserved. Various messages are described in greater detail below.

A controller state may change based upon several different occurrences or events. For example the controller may change states in response to a change in at least one vehicle device, or based upon a message received by the wireless communications device **44** from the monitoring station **30**, and/or based upon elapsed time. The controller states, for example, may include an alert sent state based upon an alert message being sent from the wireless communications device **44**. Thereafter, receipt of a predetermined message by the wireless communications device **44** when the controller **40** is in the alert sent state may confirm receipt of the alert message by the monitoring station.

Receipt of the predetermined message by the wireless communications device **44** when the controller **40** is in another state different than the alert sent state may thus cause a different response by the controller. The alert sent state may comprise at least one of an vehicle stolen alert sent state, a vehicle alarm sounding alert sent state, a vehicle

speeding alert sent state, an unauthorized remote transmitter alert sent state, a low vehicle battery alert sent state, and a device malfunction alert sent state. The various alert messages and confirmation thereof are described in greater detail below.

The code or message conservation aspects of the vehicle tracking system **20** also permit sending a sequence of codes or messages within a predetermined time to also cause a different response at the vehicle tracking unit **25**. In other words, the plurality of controller states may comprise a received first message state based upon a first message being received by the wireless communications device **44** from the monitoring station **30**. Receipt of a second message by the wireless communications device **44** when the controller **40** is in the received first message state, such as within a predetermined time window, for example, may thus cause a different response by the controller than does receipt of the second message when the controller is in another state than the received first message state.

The plurality of controller states may comprise a vehicle finder state sounding an audible signal via the alarm indicator **67** at the vehicle **21**. In this state the controller **40** would bypass sending a vehicle alarm sounding alert to the monitoring station **30**.

Another aspect of the vehicle tracking system **20** is the provision of certain power conservation and management techniques, such as to permit extended periods where the vehicle **21** is not operation. During such extended periods, the vehicle battery **61** provides power to the vehicle tracking unit **25** as well as other vehicle devices. Accordingly, the voltage of the vehicle battery **61** drops over time. The vehicle tracking unit **25** may provide a significant drain on the vehicle battery **61** because of the power consumed by the wireless communications device **44** during transmission as will be appreciated by those skilled in the art.

The vehicle position determining device **42**, the wireless communications device **44** and the controller **40** may be considered as defining a power load of the vehicle tracking unit **25**. The controller **40** may operate the schematically illustrated power switch **55** to isolate the back-up battery **54** from the power load as a voltage of the vehicle battery **61** drops until reaching a threshold. After or below the threshold the controller **40** may cause the back-up battery **54** to selectively power only a first portion of the power load while a second portion of the power load remains powered by the vehicle battery.

For example, the wireless communications device **44** may have a higher operating voltage than the vehicle position determining device **42**. The first portion of the power load that is selectively powered despite the low vehicle battery voltage may thus be the wireless communications device **44**. In particular, the wireless communications device **44** may be powered for transmission. Accordingly, the back-up battery **54** can be saved for limited communication using the higher voltage wireless communications device **44**. This provides useful features even after an extended period during which the vehicle **21** is left unattended and the vehicle battery **61** gradually discharges.

To further conserve power, the controller **40** may reduce operation of the power load as vehicle battery voltage falls. Conversely, the controller **40** may restore operation of the power load based upon the voltage of the vehicle battery **61** rising again, such as upon being recharged.

Also relating to power consumption, the controller **40** further cause transmission of a low vehicle battery voltage alert to the monitoring station **30** based upon the voltage of the vehicle battery **61** falling bellow the threshold. The user or subscriber may cause the monitoring station **30** to issue a remote start command. The controller **40** may then generate a remote start output to the remote start device **63** to thereby start the engine and recharge the vehicle battery.

Another feature of the vehicle tracking system **20** is that the vehicle tracking unit **25** may be readily installed and connected to a vehicle **21**, such as in the illustrated embodiment where the vehicle includes a starter interrupt device **66** and a separate vehicle security controller **28**. More particularly, the controller **40** may switch between an armed mode and a disarmed mode based upon operation of the engine starter interrupt device **66**. The controller **40** when in the armed mode may cooperate with the wireless communications device **44** to send an alert message to the monitoring station **30** and including vehicle position information, for example, based upon the vehicle position determining device **42**. The controller **40** is also for selectively operating the engine starter interrupt device **66** to provide additional security features.

In one advantageous embodiment, the controller **40** preferably comprises a combination input and output terminal for connection to the engine starter interrupt device. This terminal is at the input/output circuitry **53** and is schematically illustrated by reference numeral **72**. The controller **40** may switch to the armed mode when in the disarmed mode and based upon the engine starter interrupt device **66** being operated to disable engine starting. Conversely, the controller **40** may switch to the disarmed mode based upon the engine starter interrupt device **66** being operated to enable engine starting. In other words, the vehicle tracking unit **25** can piggyback its arming and disarming off the existing vehicle security system **27**, for example.

The controller **40** may also selectively operate the engine starter interrupt device **66** based upon a command message from the monitoring station **30**. The controller **40** may selectively operate the engine starter interrupt device **66** based upon a command message from the monitoring station **30**. Alternately, or in addition thereto, the controller **40** may selectively operate the engine starter interrupt device **66** based upon the ignition switch **65**.

The following descriptive portions relate to various user or subscriber notifications and features provided by the vehicle tracking system **20**. Of course, the controller **40** preferably cooperates with the wireless communications device **44** to send an alert message. The monitoring station **30** may comprise a user interface, such as one or both of the telephone network or internet interfaces **33**, **34**, respectively (FIG. **3**), for generating a sequence of alert message notifications based upon receiving the alert message sent from the vehicle tracking unit **25**. More particularly, the monitoring station interface permits canceling any remaining alert message notification based upon a cancellation command response from a user or subscriber having already received the alert message notification. The user may send the cancellation response via the telephone **35** or computer **36** (FIG. **3**), for example. Thus, if the user may be reached at different telephone numbers or different users are desirably notified of the alert, this aspect of the vehicle tracking system **20** can make the notifications efficiently and without making unnecessary notifications.

The vehicle tracking system **20** may provide any of a number of very useful alerts, as discussed herein. For example, the alert message sent from the vehicle tracking unit may comprise at least one of an vehicle stolen alert message, and a vehicle alarm sounding alert message. The alert message may be one a vehicle speeding alert message, and a vehicle acceleration alert message. In addition, the

alert message may comprise an unauthorized remote transmitter alert message. Also, the alert message may be at least one of a low vehicle battery alert message, and a device malfunction alert message.

The speeding alert may be based upon exceeding a speed threshold for greater than a certain time, which may be user selectable. The acceleration alert may also be useful as such is also indicative of aggressive driving along with the speeding alert. The unauthorized remote transmitter alert increases overall security since a user will be notified if a would-be thief learns an unauthorized transmitter to operate the controller. These alerts are described in greater detail below.

The vehicle tracking system **20** may be implemented as a service to a subscriber. In other words, the subscriber pays a monthly fee for the service. Accordingly, it may be important to encourage a user to register. Similar subscriber or registrations systems in the past have suffered revenue losses since some users would wait to activate the system until the vehicle was stolen. In other words, the user would only subscriber or register and pay a single month's fee.

In accordance with this aspect of the vehicle tracking system **20** prompt user registration is encouraged. In particular, the vehicle tracking unit **25** may include the user registration reminder indicator **56** and the controller **40** may be switchable from an unregistered mode to a registered mode. In the registered mode, the controller **40** may cooperate with the wireless communications device **44** and the vehicle position determining device **42** to determine and send vehicle position information to the monitoring station **30**. In the unregistered mode, the controller **40** may activate the user registration reminder indicator **56** to encourage registration by the user.

The controller **40** may be switchable to the registered mode based upon an activation message from the monitoring station **30**. For example, when the registration payment has been received, the monitoring station can send one or more messages to the vehicle tracking unit **25** to stop activation of the registration reminder indicator **56**. The indicator **56** may be audible, visual or both. For example, the registration reminder indicator **56** could be a beeping sound generated by a small piezoelectric transducer every ten minutes or so when the ignition **65** is on.

In other words, the user registration reminder indicator **56** may provide a minor but irritating annoyance to the user to encourage registration. Upon successfully registering, the annoyance is abated. Accordingly, a relatively straightforward approach is provided to encourage user registration.

Along these lines, the controller **40** when in the unregistered mode may have reduced features compared to the registered mode. For example, the controller **40** when in the unregistered mode may be restricted or limited in sending messages with the wireless communications device **44**. Accordingly, usage of the wireless communications network may be reduced. Transmissions from the vehicle tracking unit **25** may be also be beneficially suppressed during original installation, for example.

Returning again to features of the vehicle tracking unit **25** which facilitate installation, the controller **40** may send an alarm indication alert responsive to a continuous activation of the alarm indicator **67** for greater than a predetermined time. Alternately, or in addition thereto, the controller **40** may send an alarm indication alert responsive to a repetitive pattern of alarm indicator **67** activations. In other words, the controller may be configured to distinguish between normal operation of a vehicle horn by the driver, and activation of the horn by the security system **27**. As mentioned above, the controller **40** may also monitor signals of at least one of a first and second polarity. The controller **40** thus advantageously piggybacks off the alarm indication generated by the vehicle security system **27** to determine and send a vehicle alarm sounding alert to the monitoring station **30**.

In one variation, the controller **40** may monitor signals delivered directly to the vehicle alarm indicator by the vehicle security controller **28**. In another variation, the controller **40** monitors signals of voltage dips of the vehicle battery **61**. Circuitry is conventionally and readily available for both such functions as be readily appreciated by those skilled in the art.

The controller **40** may also include a dual polarity compatible output in the input/output circuitry **53** for a vehicle device, such as the vehicle alarm indicator **67**. The controller **40** may further monitor signals relating to activation of the vehicle alarm indicator **67** and send an alarm indication alert with position information from the vehicle position determining device and using the wireless communication device.

For the dual polarity output compatibility, the controller **40** may generate a first polarity output pulse followed by a second polarity output pulse. The controller **40** may also generate a repeating pattern of a first polarity output pulse followed by a second polarity output pulse on the dual polarity compatible output. In yet other embodiments, the controller **40** may sense an actual polarity of the device and thereafter use the actual polarity for the dual polarity compatible output.

Where the vehicle device is a vehicle horn, the controller **40** may typically be configured to generate a negative polarity output on the dual polarity compatible output. Conversely, wherein the vehicle device is a vehicle alarm indicator siren, the controller **40** may be configured to generate a positive polarity output on the dual polarity compatible output.

Another aspect of the vehicle tracking system **20** relates to conserving memory space and/or reducing transmission time over the communications network. In accordance with this advantageous feature, the controller **40** may determine the vehicle position information including a vehicle location and an associated stationary period for each occurrence of the vehicle remaining stationary for greater than a predetermined period. In one embodiment, the controller **40** may cooperate with the wireless transmission device **44** to send the vehicle position information to the monitoring station based upon each occurrence of the vehicle remaining stationary for greater than the predetermined period. In this embodiment, the monitoring station **30** may associate a time with each occurrence of the vehicle remaining stationary for greater than the predetermined period. In other words, the monitoring station **30** may time stamp the received information.

In another embodiment, the controller **40** cooperates with the wireless transmission device **44** to send the vehicle position information to the monitoring station **30** for a plurality of occurrences of the vehicle remaining stationary for greater than the predetermined period. In this embodiment, the controller **40** may associate a time with each occurrence of the vehicle remaining stationary for greater than the predetermined period. In other words, the controller time stamps the position and stationary period information.

As an example, the predetermined time which determines whether the vehicle **21** is stationary and the position should be determined, may be less than about three minutes. This time may filter out vehicle stops in normal traffic, but which will keep track of stops where the driver likely leaves the

vehicle **21**. Accordingly, only the important information necessary to track the vehicle need be stored and/or transmitted thereby reducing the system costs. If the vehicle **21** is stationary overnight, for example, unnecessary position information need not be determined, stored, and/or transmitted to the monitoring station **30**.

The controller **40** may comprise the memory **52** for storing the vehicle position information therein. In one configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined schedule. In another configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined event. In yet another configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined percentage of memory usage.

Having now described certain general features and advantages of the vehicle tracking system **20**, this description now turns to additional specific details which are provided as examples. In particular, vehicle tracking system **20** preferably implements one or more of the following features:

1. Detects the vehicle being stolen and transmits a signal to the monitoring station to contact up to 3 people, for example, predetermined by the user, of theft of the vehicle and then starts tracking the vehicle. The contact may be by one or more of the following: an e-mail message, a pager alert, a cellular telephone call, or other telephone call.

2. Detects an optional vehicle security or alarm system activation and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them the vehicle's alarm is being activated.

3. Detects an optional vehicle alarm system's remote PANIC activation and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of the vehicle's PANIC being activated.

4. Detects a vehicle being programmed to operate from an unauthorized remote transmitter, key transponder, other transponder, or other device that has a unique coding, and the vehicle unit transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of this occurrence. The system can also make available information relating to a number of such coded devices, or a change therein, or when a change occurred. A message can be sent to the user or the information can be available to the user on the WEB site. The vehicle would be equipped with a security system as disclosed in U.S. Pat. No. 5,654,688, for example, which determines an unauthorized transmitter and provides an alert feature. This patent is incorporated herein in its entirety by reference.

5. Detects the vehicle traveling over a predetermined speed, such as for a predetermined time, and transmits a signal to the monitoring station to send a message, such as an e-mail informing the user (and/or others) of this occurrence. Of course, the message could also be sent via a telephone call or page, should additional urgency be required. The vehicle's predetermined maximum speed limit and duration thereof can be selected by the user.

6. Detects a low battery voltage such as for a predetermined time and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of vehicle's low battery voltage. This is especially advantageous during winter so that the vehicle could be started, for example, to prevent a problem before it happens). The time setting is preferably selectable by the user.

7. Detects the vehicle not moving for a predetermined time and transmits a signal to the monitoring station to send, for example, a nightly e-mail informing the user of all the vehicle's location and stationary time occurrences. The stationary time length is also selectable. This may be advantageous to encourage patrolling personnel not to remain for a long time in a same location.

8. The vehicle unit preferably includes a back-up battery system making it more reliable.

The vehicle unit may be relatively inexpensive. In addition, the monitoring fee that includes sending up to 60 e-mails and making up to 6 phone calls per month, may also be relatively low. The relatively low monitoring fee is based, at least in part, on the current relatively low rates charged for use of the control channel of the cellular telephone network. It is also noted that access to the control channel provides coverage for almost the entire U.S., for example.

The user or subscriber also preferably has access to an Internet site that will display a map and silently contact the vehicle to acquire it's current location, speed, direction of travel, and previous multiple locations with speeds, for example, the user's personal identification number (PIN) can be quickly activated by a telephone call. No additional installation may be required.

Certain annual pre-pay package arrangements may be available. For example, up to 10 access entries per month can be provided on a low monthly billing. Up to 30 access entries could be provided also for a relatively low monthly fee.

The present invention provides a number of other significant advantages including optional access from any phone or from any computer to access the monitoring station internet site. The user may control various vehicle functions remotely via the telephone or the internet site. The only charge may be for additional equipment and installation.

Additional features can also be included with the system and subscribed to by the user in accordance with the invention. For example, these include Hijack, Car Finding, Unlock Doors and Unauthorized Transmitter Alert Features. The equipment and installation is relatively inexpensive. For the hijack feature: from any phone or computer, the user may activate vehicle starter interrupt and sound the horn until the vehicle is retrieved (Command **4**).

For the Car Finding feature: from any phone or computer, the user may activate the vehicle's horn, or siren and sound same for 30 seconds. This allows the user to find his vehicle in a crowded parking lot (Command **5**).

For the Lock/Unlock vehicle doors feature: from any phone or computer user a predetermined command (Command **7**) activates unlocking of vehicle doors to retrieve keys, for example, that may have been accidentally locked inside the vehicle. Of course, the system can also be used to lock vehicle doors if this was forgotten (Command **6**). The unauthorized transmitter alert feature is similarly selected as described above.

In addition, a remote vehicle start feature may also be provided, such as to start the vehicle's engine to heat or cool the vehicle prior to entry. The equipment and installation for remote starting may be relatively low. Some further details of a specific embodiment of the vehicle tracking unit **25** are provided below as relating to use of red and green LED indicators as may be coupled to the controller **40** and operated thereby. Also various representative wires, designated by color, are provided as an example embodiment.

The red LED verifies the GPS receiving signal. With a yellow wire having positive 12 volts, the red LED blinking indicates searching GPS location, constant indicates found

location, and off indicates no GPS signal found. With the yellow wire not having positive 12 volts, if the red LED is off, the LED is not functioning.

The green LED verifies receiving the cell tower signal. With the yellow wire having positive 12 volts, blinking indicates the cell control channel signal is detected, constant indicates sending a micro burst signal (LED stays on 5-seconds after each transmission, and off indicates no cell tower signal received. With yellow wire not having positive 12 volts, off indicates the green LED is not functioning.

An example of representative DIP switch feature selection is as follows. A first switch may be used for the adding orange wire for controlling arm/disarming of system. When on, the orange wire controls arm/disarm as follows: to arm, the orange wire is grounded and yellow wire does not have 12 volts positive. To disarm, the orange wire is not grounded. When the first switch is off, then only the yellow wire controls arm/disarm as follows: to arm, the yellow wire is without 12 volts positive, and 30 seconds after continued arm mode then orange wire activates a constant 500 ma grounded output to operate an external starter interrupt relay until the system is disarmed. To disarm, the yellow wire is connected to 12 volts positive.

A main 5-pin plug may be provided on the vehicle unit and connected as follows:

1. The Red Wire is connected to the 12 vdc power. An alert warning "E" is given if the system is armed and the battery voltage becomes lower than 11-volts for longer than. ## minutes. This alert feature "E" will not operate again until the voltage is above 12 volts to re-set this feature.

2. The black wire is connected to ground.

3. The yellow wire is connected to the ignition 12 volts so that if the key is on, 12 volts is supplied thereto and if the key is off, the yellow wire is connected to ground. Further: if the system is in an armed mode and the Lat/Long changes, then Alert "A" is given. If the system is disarmed and within 2.5 seconds after the yellow wire receives 12 volts and the gray wire detects 3 or more positive pulses the system activates Alert "D". If the first DIP switch is in the off position then: if 12 volts is on yellow wire, the system is disarmed and the orange wire discontinues from the 500 ma ground, and if the yellow wire sees ground or neutral, then the system is armed and 30 seconds after the continued arm mode the orange wire activates a constant 500 ma grounded output to operate an external starter interrupt relay until system is disarmed

4. The gray wire is for input and output, and can be connected to an alarm siren or horn positive terminal. In addition:

a. With system armed and if the gray wire detects +12 v pulsing on/off or on constant for more than 10 seconds from an alarm siren or horn honking activation, then alert warning "B" alarm activation is given.

b. With system disarmed and if the gray wire detects +12 v pulsing on/off or on constant for more than 10 seconds from an alarm siren or horn honking activation, then alert warning "C" panic activation is given.

c. With system disarmed and if the Gray wire detects 3 or more 12 volt positive pulses within 2.5 seconds of yellow wire receiving 12 v+ and the gray wire by-pass not being activated, then alert warning "D" is given.

d. The gray wire bypass operates as follows:

i. After alert warning "B" bypass all future alert "B" signals until system is disarmed.

ii. After alert warning "C" bypass all future Alert "C" signals until system is armed.

iii. After alert warning "D" bypass all future alert "D" signals until no 12 volt pulses are detected on the gray wire within 3 seconds of the yellow wire having 12 volts.

e. With system armed or disarmed. The Output: Internal +12 v, 1 amp transistor with pulses 1 second on and 1 seconds off to activate siren or honk car horn or flashing light relay.

i. Non-stop activation from (Command "4")

ii. 30-second activation from (Command "5")

f. Turn off the above alert "A" from (Command "1").

5. The orange wire is for the starter interrupt and arm/disarm system, and operates as follows:

a. If first DIP switch is in the:

i. On position and: the orange wire has 12 volts or neutral, the system switches to the disarmed mode; the orange wire is grounded, then the system is switched to the armed mode; and the starter interrupt output will not automatically operate. Can only be activated from "Command #4"

ii. Off position and the orange wire does not effect the arming or disarming of the system; 30 seconds after system arms the orange wire will automatically activate constant 500 ma ground until the system is disarmed. And from "command #4". Connect to Starter interrupt relay output.

b. Command 4 activates Orange wire to have 500 ma. negative until Command 1 is received.

c. After Alert warning "B" is activated the first time it is thereafter bypassed while the orange wire remains grounded. Alert warning "B" is re-set to operate again 3 seconds after orange wire becomes ungrounded.

The vehicle unit may also include a Door Lock Plug configured as follows, for example. A green wire provides a 250 ma. negative 1 second pulse for Lock Doors. (Command "6"). A red wire provides a constant 12 v output from the red power wire. A blue wire provides a 250 ma., negative 1 second pulse for Unlock Doors (Command "7"). A pink wire provides a 250 ma., negative 1 second pulse for remote Car Starter (Command "2").

An installation test button may also be provided to work as follows. Pressing the button activates the orange wire for 10-seconds (starter interrupt), with these circuits in sequence. First, activates gray wire for 1-second. (siren/horn). After the first stops, activates green wire for 1 second to lock the doors. After the second stops, activate the blue wire for 1 second to unlock the doors. After the third stops, activate the pink wire for 1 second to activate optional item.

Representative warning alerts are as follows:

1. Alert Warning "A" (FIG. 4): Automatic activation of "Command 8" and the vehicle unit contacts monitoring station to instantly call 3 phone numbers with the message "Your Vehicle is stolen please confirm then call 911 to advise police of web site and your pin # so police can locate the vehicle". This is detected with the system armed and the GPS indicating movement. Bypasses all future alert warning "A" signals until the system is re-armed.

2. Alert Warning "B" (FIG. 5): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the following message "Vehicle alarm activated please confirm". This is with the system armed and detecting gray wire having 12 volts pulsing or on constant for longer than 10-seconds). After alert warning "B" is activated the first time, it is thereafter bypassed while the orange wire remains grounded. Alert warning "B" is re-set to operate again 3 seconds after orange wire becomes ungrounded.

3. Alert Warning "C" (FIG. 6): the vehicle unit contacts the monitoring station to instantly send e-mail message "vehicle was traveling faster than your preset amount of "###" and time limit of "##" seconds. Indicates the vehicle speed and location that the speeding started and how long speeding occurred" (Detected from GPS).

4. Alert Warning "D" (FIG. 7): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the this message "Unauthorized remote transmitter was just programmed to operate your vehicle." This is with the system disarmed and the Gray wire detecting three or more 12 volt pulses within 2.5 seconds of yellow wire having seen 12 volts positive. All future alert "D" are bypassed until no 12 volt pulses are detected on the gray wire within 3 seconds of the yellow wire seeing 12 volts.

5. Alert Warning "E" (FIG. 8): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the message "Vehicle has low battery voltage and system has changed to low voltage mode". This is with the system armed and detecting the Red wire with lower than 11 volts for ## minutes. All future alert "E" are bypassed until, first, more than 13.5 volts are detected on the red wire and, second, after the yellow wire stops having positive voltage the red wire then must detect more than 12 volts.

The following are representative commands for use in the system:

Command 1: Reset all circuits and system remains asleep until the ignition key is turned on. Resets the triggered mode and unit is asleep to prevent power drain on vehicle battery.

Command 2: (Accessory activation) monitoring station Command to the system to activate Pink wire to pulse 250 ma negative for 1 second.

Command 3: (Vehicle Location) Web site to indicate present location and past events in memory.

Command 4: (Hijack or Stolen) monitoring station Command to vehicle system to activate:

a. Gray wire to pulse 1 sec on/1 sec off with 1 amp positive output and which continues until receive command # 1.

b. Orange wire to have 500 ma ground and which continues until receive command # 1.

Command 5: (Car Find) monitoring station Command to system activating Gray wire for 30 seconds pulsing 1 sec on/1 sec off with 1 amp positive output.

Command 6: (Lock Doors) monitoring station Command to system activating Green wire to pulse 1 second with 250 ma, negative.

Command 7: (Unlock Doors) monitoring station Command to system to activate Blue wire to pulse 1 second with 250 ma, negative.

Command 8: (Start Constant Vehicle Tracking) sends previous 2 events in memory and then every 120 seconds get update of location information sent to the Web site.

The system is also operable in a battery saver mode which operates as follows:

1. With the ignition key off, if the battery voltage drops below 11.5 volts for more than 5 seconds, the GPS verification wakes up to look:

a. Once instantly.

b. Once in 1 hour if at the same location.

c. Once in 6 hours if at the same location.

d. Once in 12 hours if at the same location.

e. Once every 24 hours if at the same location.

f. Activate alert "E" when the battery saver mode is activated, and bypass sending all future Alert "E" until the battery voltage goes above 13 volts for 10 minutes to reset this feature.

Another aspect of the invention relates to automatic vehicle alert e-mails sent containing some or all of the previous system events. This sending can be triggered as follows:

a) At a user selected predetermined time ## (01–24) of each day, or

b) At a predetermined memory fill level, such as full or near full.

In addition, each system event may contains one or more of the following:

a) Vehicle Location

b) Vehicle total time at location

c) Time of day

d) Mph traveling

e) Total time traveling above MPH

f) Direction traveling

g) Delta

h) Special Alert messages, if any, including:

i) GPS signal not received for longer than 5 minutes.

ii) Traveling above ###MPH for ## minutes.

iii) Vehicle is stolen.

iv) Alarm activated.

v) Unauthorized remote transmitter alert.

vi) Battery saver mode activated

vii) Command 1: Reset all circuits and system remains asleep until the ignition key is turned on.

viii) Command 2: (Accessory activation)

ix) Command 3: (Vehicle Location was retrieved)

x) Command 4: (Hijack or Stolen mode activated)

xi) Command 5: (Car Find mode activated)

xii) Command 6: (Locked Doors)

xiii) Command 7: (Unlocked Doors)

xiv) Command 8: (Started 2-second incremental Vehicle Tracking)

Another feature of the invention relates to the selectable threshold conditions causing an event to be recorded into the memory of the vehicle unit. For example, this may include: while the yellow wire has 12 volts, record events every "??" default 15 minutes time if the GPS location has changed. If the GPS location is same then only update stationary total time. If the GPS antenna is not receiving any signal then enter last known GPS location and with indication this was the last known GPS location before GPS signal stopped and how long no GPS signal was received, and enter GPS location in the on-hold file. When vehicle is traveling above ###MPH for ##-minutes.

The monitoring station may also provide a number of automated phone calls as described above. These may include:

1. The user's vehicle has issued a stolen alert:

a. If vehicle is stolen, after receiving the phone message the user then calls 911 to advise police of the theft, and gives the police the Web site address and an identification number, such as the user's PIN, to allows the police to locate where your vehicle has been, where it is now and keep tracking it until the police can retrieve the vehicle.

b. If this is a false alert due to vehicle being towed away for service, for example, then the user may press "1" to put the vehicle in an off mode. Once the ignition key is turned on again the system will reset back to its normal operation mode.

2. The user's vehicle has issued an alarm activated for more than 10 seconds alert. The system will not respond to this alert again until ignition key is turned on again to reset this feature.

3. The vehicle battery voltage is low or has been disconnected. The tracking system is in low voltage mode. The system will not respond to this alert again until the battery voltage goes above 13 volts for 10 minutes to reset this feature.

The backup battery may be sized according to the GPS receiver and processing power draw. In addition, the battery may also be sized based upon estimated micro burst transmitting power draw. Such transmission are typically at about 5 watts power to the antenna.

The system according to the invention including the vehicle unit and monitoring station provides a number of significant advantages and features. For example, the police may be directly contacted by the user when the vehicle is stolen. The user receives the telephone message from the monitoring station, and this is done without requiring the intervention of a manual security monitoring operator, such as an ADT operator, for example. In addition, once in the stolen mode, the vehicle unit will periodically continue to send out its location, so that the police may track the vehicle via the WEB, for example. This location sending feature may begin immediately, that is, without requiring the user to contact the vehicle to begin tracking. Having the vehicle contacting the monitoring station is considerably less expensive than other schemes where the vehicle is periodically polled via the cellular network, for example.

The system may also be interfaced to a breath alcohol sensor at the vehicle, for example, and this information recorded in memory. The information could be passed along to the monitoring station, which, in turn, could send out a notification message (e-mail or telephone) that the vehicle is being operated by a driver who may be impaired by alcohol. The vehicle's location could then be tracked to permit the police to detain the driver.

Another aspect of the unit is that it may be able to recognize the desirability to bypass certain security breach triggers or other events. For example, a car finding feature can be provided that will allow the user to sound the horn or siren when near the vehicle to help locate the vehicle, as in a crowded parking area. Without the bypass feature, the unit could recognize the horn or siren as a security breach and transmit such information to the monitoring center. In accordance with this aspect of the invention, the unit would recognize the car finding feature was activated and thereby bypass sending a security breach transmission, for example. Again, false alarms and unneeded usage and expense of the communications infrastructure would be avoided.

Yet another aspect of the invention relates to thwarting a would-be thief who attempts to disable the alarm by cutting the battery cable or power supplied to the system. The unit preferably includes a back-up battery. More particularly, upon being in an armed mode and sensing a breach of security, such as the hood opening, for example, the unit will send out a signal indicating the alarm or security breach and while the alarm is indicated, if the battery is disconnected then the unit will send out a message indicating the vehicle is stolen, and also providing the vehicle's current position. Accordingly, the would be thief is not able to defeat the security system by quickly disrupting power to the unit during an alarm indication or security breach. Also to prevent additional alerts, this message is prevented from being transmitting again until user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts indicating the vehicle has started using the owner's ignition key. This aspect is further understood with reference to the enclosed flowchart labeled "Alert A" (FIG. 4).

Still another aspect of the invention relates to how the unit can discriminate between ordinary usage or honking of the horn as compared to a security system triggered alarm. Most vehicle security systems will provide a pattern of horn soundings as an alarm indication, and this can be determined and used to reduce false alarm transmissions from the unit. For example, the unit can look at the number of leading and trailing edges of the power pulse used to sound the horn. A single pressing of the horn switch by the user will cause two edges within a predetermined time, such as about 10 to 12 seconds. Accordingly, the unit can be configured to not send a security breach transmission to the control center based upon detecting two transitions. Since a number of vehicle security systems may have a continuous sounding of the horn within the predetermined time, the unit can send the transmission upon detecting only a single transition.

A number of other vehicle security systems provide a series of pulses or horn soundings within the predetermined time. Accordingly, the unit may also be configured to send a security breach transmission upon detecting greater than a predetermined number of transitions, such as greater than nine, for example. This number is also typically higher than a user would generate honking the horn several times within the predetermined time. In other terms, the number of transitions of the horn pulses can be counted, and if equal to one, or greater than nine, for example, the transmission is triggered, and otherwise the sounding of the horn is ignored. Also to prevent additional alerts, this message is prevented from being transmitting again until user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts indicating the vehicle has started using the owner's ignition key. This aspect is further understood with reference to the enclosed flowchart labeled "Alert B" (FIG. 5).

Yet another feature of the invention relates to a low vehicle battery alert. For example, the unit may monitor the battery voltage over a predetermined time such as ten minutes. The ten minute window prevents false tripping, for example, when the voltage dips during engine cranking. In particular, the voltage can be sensed and determined whether it is greater than zero (eg. greater than six volts) and less than a high value (eg. eleven or twelve volts), and, if so, a low battery voltage transmission can be communicated to the monitoring station, and ultimately to the vehicle user when away from the vehicle. If vehicle is being serviced and battery is disconnected this will cause the battery voltage to be equal to zero, then the low battery voltage transmission will not be communicated to the monitoring station. Also to prevent additional alerts, this message is prevented from being transmitting again until user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts indicating the vehicle has started using the owner's ignition key. Again false triggerings are reduced. This aspect is further understood with reference to the enclosed flowchart labeled "Alert E".

Yet another advantageous feature of some embodiments of invention relates to the ability to conserve electrical power. More particularly, when the vehicle is stopped and in the armed mode, the GPS receiver may be periodically operated to determine the vehicle position. If the vehicle position changes, this is indicative that the vehicle is being moved or stolen. For example, the GPS receiver may be operated to generate new vehicle position information every 29 seconds. These relatively quick successive position determinations or readings are generally termed hot start. These are relatively less complicated that a cold start position determination which takes longer, since the cold start posi-

tion determination requires greater time to acquire and receive data from multiple satellites, as will be appreciated by those skilled in the art.

Unfortunately, this relatively high repeated usage of the GPS receiver may cause unnecessary battery drain, especially when the vehicle is left armed and unattended by the user for an extended period. Accordingly, the power conserving feature of the invention permits the GPS receiver to be turned off when the vehicle is in the armed mode, and the GPS receiver is turned on only when needed. For example, a vehicle sensor, such as a shock sensor, motion sensor, ignition sensor, door sensor, or other sensor, or combinations thereof could be used to start the GPS receiver. This sensor could also be used to trigger an alarm if desired; however it need not be so used in all embodiments. The GPS receiver, once turned on, could operate in the normal periodic fashion as described above, or for a fixed period of time. The GPS receiver could also be turned off again after some predetermined time if no further sensor signal is received, or if the position fails to change on subsequent position readings or determinations.

Yet another feature relates to permitting more colorful audible alert messages to be generated for the user. The user can, in some embodiments, access an internet site to type or enter the text for a message to be sent, such as to alert the user that his vehicle is being stolen. The audible message then communicated by a telephone call to the user is generated by a speech message synthesizer based upon the entered text. In accordance with this aspect of the invention, the user could type in phonetically spelled words or phrases, such as to create more colorful messages including slang terms, various accents, and/or to mimic various dialects, for example. The speech synthesizer would then generate the desired message customized for the user. Of course, the system could also permit the user to test or preview the pronunciation generated by the speech message synthesizer based on the entered text message prior to its adoption.

Another aspect relates to requesting GPS position information from a vehicle. If a command is sent downstream to the vehicle requesting that GPS information in turn be sent upstream from the vehicle, and the GPS information is not received within a predetermined time, such as about four minutes, then another command may be sent to the vehicle requesting the GPS information. This may keep repeating until GPS information is received, for a predetermined number of tries, or until a user instructs stopping of the requests. This helps to ensure and confirm the activation and reception of GPS tracking coordinates from the vehicle.

Yet another aspect relates to reducing a frequency with which GPS information is sent from the vehicle. More particularly, the unit may be configured to activate GPS information transmission upstream every 2 minutes. To reduce system usage expense and power consumption at the vehicle, this rate of transmission of GPS information could be progressively decreased over time. For example, in one embodiment, upon activation the GPS location signals could be sent every 2 minutes during the first hour, then once an hour for the next 23 hours, after which only one signal would be sent per day.

Still another aspect relates to warning the user of an inoperable or malfunctioning GPS or cellular telephone section. More particularly, if the GPS or cellular telephone antenna wire is cut or the mounting position of either is changed causing the antenna to stop receiving the signal the user would not ordinarily know of this problem quickly. In accordance with one embodiment, if the ignition is turned on a predetermined number of times, such as about three, and each time ignition turns on if no GPS or no cell signal is received for a minimum time, such as about 15 to 30 minutes or longer, an audible warning beeper may be activated in the vehicle. This beeper may be sounded once ever 15-minutes. At anytime if the GPS or cell signal is received properly then the system re-sets automatically stopping the beeper sound.

As an example, if the ignition key is turned on and no GPS or no Cell signal is being received for 15-minutes, and the vehicle ignition stays on for 45 minutes and there is still no GPS or no cell signal, the unit counts one. Thereafter, if the ignition key is turned on and no GPS or no cell signal is being received for 15-minutes, and the vehicle ignition stays on for 60-minutes and there is still no GPS or no cell signal, a second count is determined. Thereafter, if the ignition is turned on and no GPS or no cell signal is received for 10-minutes, and the vehicle ignition stays on for only 10-minutes and there is still no GPS or no cell signal, no count is determined. Thereafter, if the ignition is turned on and no GPS or no cell signal is being received for 15-minutes, a third count is determined and the beeper is activated as described above. This beeping may continue every 15-minutes while the vehicle ignition stays on as long as the vehicle ignition stays on for 16-minutes and still no GPS or no Cell signal is being received. If thereafter, the ignition is turned on and no GPS or no cell signal is being received, the beeper beeps once and again beeps once every 15-minutes while vehicle ignition stays on. If in 10-minutes both GPS or cell signal is being received, the beeper system is turned off and the warning count is reset.

In examples, if the ignition key is turned on and no GPS or no cell signal is being received for only 5, 10 or 12 minutes (with the threshold set at 15 minutes), then no count is determined.

In certain circumstances, the GPS signal may fail, but the cell signal may still be working. Accordingly, it may be desirable to send an indication of the failure of the GPS signal to the central monitoring station to thereby alert the user as described above. If the cell signal also failed, or if the cell signal failed by itself, in other embodiments a separate paging device would transmit the failure or loss of the cell signal information to the central monitoring station, to thereby alert the user.

Yet another feature is directed to efficient use of a relatively small number of codes available to communicate with the tracking unit from the cellular network and central station. More particularly, a typical arrangement may provide eight basic codes and two "wildcard" codes. The two wildcard codes are reserved for future or other uses. A particular tracking device will respond directly to any of the eight basic codes. For example, the doors could be locked or unlocked, a present location downloaded from the vehicle, etc.

In accordance with this feature, the tracking device may respond differently to the same code or command depending upon the state or condition of the tracking device. For example, if an alarm is triggered at the vehicle, it may be desired that the tracking device continue to send the alarm signal until confirmation is received that the central monitoring station has received the alarm signal. This confirmation can be sent using the same code as may provide another function if the device were not indicating an alarm. Any of a number of such tracking device conditions may trigger a different message to be interpreted from the received code. For example, if any of the above Alerts A–E were triggered, the receipt of a predetermined code, such as code eight, would confirm receipt of the alert by the central station, and this receipt of code eight would not cause the other response

(no alarm triggered) in the tracking device. Of course this concept can be extended to other features as will be appreciated by those skilled in the art.

In accordance with another feature, the rate of sending the location or position data (or change in position data) from the vehicle may be varied to reduce system usage and thereby reduce expenses. More particularly, in one embodiment, the rate of sending may be based upon how long the vehicle has remained stationary. This time period may be selected by the user. For example, the selected time may be in the range of 15 minutes to six hours. If the vehicle has been stationary for the selected time period, then the rate of transmission may be reduced. This reduces or eliminates the need to send home position data and send all the over 15-minute stops made that day. Otherwise, that is when the vehicle is moving, the device may send data at a faster rate. Of course, a system user would not likely be interested in quick updates, especially where the position information is not changing. Conversely, if the vehicle is being moved, it may be desirable to receive more frequent position updates.

Another variation of this transmission rate conservation feature, bases the rate of transmission on the vehicle position. For example, a reduced rate of transmission may be selected if the vehicle is in a predetermined area where the user has a lesser interest in quickly updated position information. The user may also have a reduced interest in an area that can be defined outside of a predetermined distance from a reference point.

Yet another variation of the vehicle position transmission rate conservation feature is based upon the vehicle's speed, such as the vehicle's average or maximum speed, for example. Accordingly, if the vehicle is traveling above a preset speed, the rate of transmission may be increased.

In accordance with another aspect of the invention, the tracking device may send the alert indication a predetermined number of times without receiving an acknowledgment as described above, and then wait until the vehicle position has changed before trying again or the cell re-registers or its RSS. (received signal strength) changes. Thus, power is conserved. When the vehicle has moved to a new position, any obstructions may no longer be present thereby increasing the likelihood of a successful communication. In addition, the change in position may be determined when the vehicle is sensed to be moving about a predetermined relatively small speed, such as greater than 1 mph, for example.

In all of the embodiments and variations described herein, the tracking device may communicate with one or more other vehicle devices via a vehicle data communications bus. Further aspects of interfacing with a vehicle data communications bus are described in U.S. Pat. Nos. 5,719,551 and 6,011,460 assigned to the assignee of the present invention.

Yet another aspect relates to efficient use of available codes on the cellular telephone control channel. In one particular example, ten codes may be available to be transmitted from the monitoring station to the vehicle trackers. The first eight or nine codes are command codes that will cause a specific action by the tracking device at the vehicle. The other one or two codes may be wildcard codes as mentioned above, that may set a stand-by mode for one or a group of vehicles, for example.

It may be desirable to provide more than eight commands at the vehicle responsive to the corresponding eight available codes. For example, it may be desirable to set a feature on or off, or to set a different feature setting or threshold. In accordance with this aspect of the invention, the commands at the tracker are determined based upon a series of different command codes being received within a predetermined time window.

For example, the monitoring station may send code **9** that switches the tracker in the car into a stand-by mode for a predetermined time and which causes the tracker to respond with an upstream confirmation code **7** or **9** indicating receiving code **9**. During the predetermined time of the stand-by mode another code follows that causes a system programmable feature or setting to change. Note that the second code would otherwise cause a different function at the vehicle. Note that system might operate a function **9** if another code **1**–**9** is not received in the predetermined time. The following list is exemplary for features resulting from second codes **1**–**9**:

(1) Code **1**—Tracker will turn off feature of upstream code caused by vehicle alert being detected.

(2) Code **2**—Tracker will turn on feature of upstream code caused by vehicle alert being detected.

(3) Code **3**—Tracker deactivates cell receiver from operating due to a non-paying customer for monitoring service. That phone number can then be allocated to another customer.

(4) Code **4**—Turn on audio buzzer feature that will sound once each 10 minutes. The monitoring station need only send the command to activate the feature, as the tracker will time the period and drive the buzzer thereafter. The monitoring station will normally not need to send this command because the tracker will be configured out of the box with this feature activated to sound the buzzer every 10 minutes until the next command is received.

(5) Code **5**—Turn off the audio buzzer. This is to be sent by the monitoring station after a user has successfully activated his account.

(6) Code **6**—Turn on the 80 mph speed limit reporting. This will normally not be sent as this feature will be the default setting of the tracker.

(7) Code **7**—Turn off the 80 mph speed limit reporting.

(8) Code **8**—Increase speed limit 5 mph and increase the time 5 minutes.

(9) Code **9**—Decrease speed limit 5 mph and decrease the time 5 minutes, and wait 5 minutes if another code number follows. It could operate this way to allow another set of codes to change more features.

In this example, in response to the tracker receiving the system code **1**–**9**, the tracker sends an upstream code **7** to acknowledge receipt of the system code **1**–**9**. Upon receipt of code **9** the tracker waits up to 5 minutes to determine if another system code is received. If no code is received, then the tracker performs the code **9** operation. Of course, in other embodiments other features or settings can be selected.

In general, it may be preferred that the first code sent in a series of two codes, for example, be a code that causes only a minor function to be performed at the vehicle. This so because if the second code is sent from the monitoring station, but not received at the tracker, only a minor function is performed. For example, the first code may switch between armed and disarmed modes. This is in contrast to using a remote engine starting code or engine shutdown code as the first code. The vehicle may be moving or positioned in a marginal reception area, and the second command may not be received by the tracker within the predetermined time window. As will be appreciated by those skilled in the art, this concept of multiple digit codes, can be extended beyond two digits to three or more.

To further conserve cellular transmissions and as described above, the tracker may be set to record a position

based upon a determined event. Only this recorded position information may be downloaded either by user request or at set times. It is desired that such events be relatively few, but that the information still be helpful to the user.

For example, an event for recording of position may be determined based upon the vehicle being stopped for greater than a first time and less than a second time. For example, the first time may be 15 minutes and the second time may be 6 hours. Determination of the vehicle being stopped can be made based upon one or both of the GPS position or the vehicle ignition being turned off. The second time prevents the recording of position information when the vehicle is stopped at the owner's home during the evening, for example. Accordingly, the important information of the vehicle stops being made is recorded and made available to the user, while system communications resources are conserved.

In another example, if the mode is selected to send the vehicles location every 10 min and the vehicle is in the same location for greater than a set time, then no more vehicle locations are sent until the vehicle location has changed to start the every 10 min reporting again.

Other features relating to vehicle control systems are disclosed in copending patent applications entitled VEHICLE TRACKER INCLUDING STATIONARY TIME DETERMINATION AND ASSOCIATED METHODS, Ser. No. 09/859727, VEHICLE TRACKER CONSERVING CODES AND RELATED METHODS, Ser. No. 09/859673; VEHICLE TRACKER WITH POWER SAVING FEATURES AND RELATED METHODS, Ser. No. 09/859728; VEHICLE TRACKER COOPERATING WITH A STARTER INTERRUPT AND RELATED METHODS, Ser. No. 09/859973; VEHICLE TRACKER WITH USER NOTIFICATIONS AND ASSOCIATED METHODS, Ser. No. 09/859733; VEHICLE TRACKER WITH USER REGISTRATION REMINDER AND RELATED METHODS, Ser. No. 09/859971; VEHICLE TRACKER INCLUDING INPUT/OUTPUT FEATURES AND RELATED METHODS, Ser. No. 09/859972; and VEHICLE TRACKER WITH TEST FEATURES AND RELATED METHODS, Ser. No. 09/859729, the entire disclosures of which are incorporated herein by reference.

Many modifications and other embodiments of the invention will come to the mind of one skilled in the art having the benefit of the teachings presented in the foregoing descriptions and the associated drawings. Accordingly, it is understood that the invention is not to be limited to the embodiments disclosed, and that other modifications and embodiments are intended to be included within the spirit and scope of the appended claims.

That which is claimed is:

1. A vehicle tracking system comprising a vehicle tracking unit for a vehicle of a type comprising a vehicle alarm indicator, said vehicle tracking unit comprising

a vehicle position determining device,

a wireless communications device, and

a controller connected to said wireless communications device and said vehicle position determining device;

said controller cooperating with said wireless communications device to send an alarm indication alert based upon at least one of an activation of the vehicle alarm indicator continuously for greater than a predetermined time and an activation of the vehicle alarm indicator in a repetitive pattern; and

a monitoring station receiving the alarm indication alert from said vehicle tracking unit.

2. A vehicle tracking system according to claim **1** wherein said controller also cooperates with said vehicle position determining device and said wireless communications device to send vehicle position messages.

3. A vehicle tracking system according to claim **1** wherein said controller monitors drive signals to the vehicle alarm indicator.

4. A vehicle tracking system according to claim **1** wherein the drive signals have at least one of a first and second polarity.

5. A vehicle tracking system according to claim **1** wherein the vehicle alarm indicator comprises at least one of a vehicle horn, and a vehicle siren.

6. A vehicle tracking system according to claim **1** wherein said vehicle position determining device comprises a Global Positioning System (GPS) device.

7. A vehicle tracking system according to claim **1** wherein said wireless communications device comprises a cellular telephone communications device.

8. A vehicle tracking system according to claim **7** wherein said cellular telephone communications device communicates over a cellular control channel.

9. A vehicle tracking system according to claim **1** wherein said monitoring station comprises a user interface for accepting at least one command from a user and sending at least one alert to the user.

10. A vehicle tracking system according to claim **9** wherein said user interface comprises an Internet interface.

11. A vehicle tracking system according to claim **9** wherein said user interface comprises a telephone network interface.

12. A vehicle tracking unit for use with a vehicle comprising a vehicle alarm indicator, the vehicle tracking unit comprising:

a vehicle position determining device;

a wireless communications device; and

a controller connected to said wireless communications device and said vehicle position determining device;

said controller cooperating with said wireless communications device to send an alarm indication alert responsive to an activation of the vehicle alarm indicator continuously for greater than a predetermined time.

13. A vehicle tracking unit according to claim **12** wherein said controller further sends an alarm indication alert responsive to activation of the vehicle alarm indicator in a repetitive pattern.

14. A vehicle tracking unit according to claim **12** wherein said controller monitors drive signals to the vehicle alarm indicator.

15. A vehicle tracking unit according to claim **14** wherein the drive signals have at least one of a first and second polarity.

16. A vehicle tracking unit according to claim **12** wherein the vehicle alarm indicator comprises at least one of a vehicle horn, and a vehicle siren.

17. A vehicle tracking unit according to claim **12** wherein said vehicle position determining device comprises a Global Positioning System (GPS) device.

18. A vehicle tracking unit according to claim **12** wherein said wireless communications device comprises a cellular telephone communications device.

19. A vehicle tracking unit according to claim **18** wherein said cellular telephone communications device communicates over a cellular control channel.

20. A vehicle tracking unit for use with a vehicle comprising a vehicle alarm indicator, the vehicle tracking unit comprising:

a vehicle position determining device;

a wireless communications device; and

a controller connected to said wireless communications device and said vehicle position determining device;

said controller cooperating with said wireless communications device to send an alarm indication alert responsive to an activation of the vehicle alarm indicator in a repetitive pattern.

21. A vehicle tracking unit according to claim **20** wherein said controller monitors drive signals to the vehicle alarm indicator.

22. A vehicle tracking unit according to claim **21** wherein the drive signals have at least one of a first and second polarity.

23. A vehicle tracking unit according to claim **20** wherein the vehicle alarm indicator comprises at least one of a vehicle horn, and a vehicle siren.

24. A vehicle tracking unit according to claim **20** wherein said vehicle position determining device comprises a Global Positioning System (GPS) device.

25. A vehicle tracking unit according to claim **20** wherein said wireless communications device comprises a cellular telephone communications device.

26. A vehicle tracking unit according to claim **25** wherein said cellular telephone communications device communicates over a cellular control channel.

27. A method for operating a vehicle tracking unit for a vehicle of a type comprising a vehicle alarm indicator, the vehicle tracking unit comprising a vehicle position determining device, and a wireless communications device, the method comprising:

determining position information of the vehicle using the vehicle position determining device;

determining an alarm condition based upon at least one of an activation of the vehicle alarm indicator continuously for greater than a predetermined time and an activation of the vehicle alarm indicator in a repetitive pattern; and

sending an alarm indication alert from the wireless communications device responsive to determining the alarm condition and including vehicle position information.

28. A method according to claim **27** wherein determining the alarm condition comprises monitoring drive signals to the vehicle alarm indicator.

29. A method according to claim **28** wherein the drive signals have at least one of a first and second polarity.

30. A method according to claim **27** wherein the vehicle includes a vehicle battery; and wherein determining the alarm condition comprises monitoring voltage dips of the vehicle battery.

31. A method according to claim **27** wherein the vehicle alarm indicator comprises at least one of a vehicle horn, and a vehicle siren.

32. A method according to claim **27** wherein the vehicle position determining device comprises a Global Positioning System (GPS) device.

33. A method according to claim **27** wherein the wireless communications device comprises a cellular telephone communications device.

34. A method according to claim **33** wherein the cellular telephone communications device communicates over a cellular control channel.

* * * * *

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,149,623 B2
APPLICATION NO. : 10/383496
DATED : December 12, 2006
INVENTOR(S) : Flick

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, Line 40	Delete: "it used" Insert: --it is used--
Column 3, Line 40	Delete: "diagrams" Insert: --diagram--
Column 4, Line 42	Delete: "illustrated" Insert: --illustratively--
Column 5, Line 35	Delete: "will described" Insert: --will be described--
Column 6, Line 66	Delete: "of an vehicle" Insert: --of a vehicle--
Column 7, Line 28	Delete: "not operation" Insert: --not in operation--
Column 7, Line 65	Delete: "cause" Insert: --causes--

Signed and Sealed this

Seventh Day of August, 2007

JON W. DUDAS
Director of the United States Patent and Trademark Office

US007720597B2

(12) **United States Patent**
Flick

(10) **Patent No.: US 7,720,597 B2**
(45) **Date of Patent: May 18, 2010**

(54) **VEHICLE TRACKER INCLUDING INPUT/OUTPUT FEATURES AND RELATED METHODS**

(75) Inventor: **Kenneth E. Flick**, Douglasville, GA (US)

(73) Assignee: **Omega Patents, L.L.C.**, Douglasville, GA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1430 days.

(21) Appl. No.: **11/076,259**

(22) Filed: **Mar. 9, 2005**

(65) **Prior Publication Data**

US 2005/0156716 A1 Jul. 21, 2005

Related U.S. Application Data

(63) Continuation of application No. 10/383,496, filed on Mar. 7, 2003, now Pat. No. 7,149,623, which is a continuation of application No. 09/859,972, filed on May 17, 2001, now Pat. No. 6,606,561.

(60) Provisional application No. 60/264,811, filed on Jan. 29, 2001, provisional application No. 60/258,005, filed on Dec. 22, 2000, provisional application No. 60/251,552, filed on Dec. 6, 2000, provisional application No. 60/252,125, filed on Nov. 20, 2000, provisional application No. 60/236,890, filed on Sep. 29, 2000, provisional application No. 60/246,463, filed on Nov. 7, 2000, provisional application No. 60/222,777, filed on Aug. 3, 2000, provisional application No. 60/205,178, filed on May 17, 2000.

(51) **Int. Cl.**
G01C 21/00 (2006.01)

(52) **U.S. Cl.** **701/207**; 701/213; 701/36; 340/466; 340/988; 342/357.07

(58) **Field of Classification Search** 340/989, 340/825.72, 988, 825.6, 5.2, 5.22, 5, 7, 5.23, 340/426.18, 426.19, 825.31, 425.5, 426, 340/852.72, 5.7, 5.71, 5.72, 5.3, 5.33, 466; 180/287; 455/456.5; 701/207, 213, 36; 307/10.3, 307/10.6, 9.1, 10.2; 342/357.07
See application file for complete search history.

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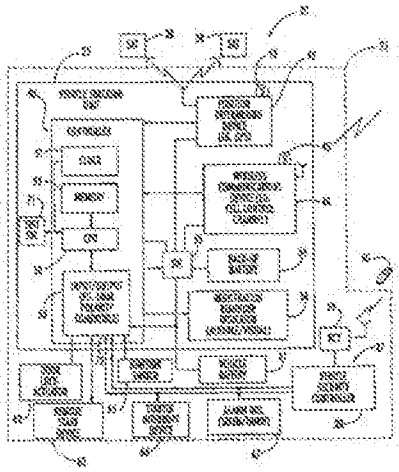
(Continued)

Primary Examiner—Cuong H Nguyen
(74) *Attorney, Agent, or Firm*—Allen, Dyer, Doppelt, Milbrath & Gilchrist, P.A.

(57) **ABSTRACT**

A vehicle control system includes a tracking unit and a function unit cooperating therewith. The tracking unit may include a vehicle position determining device, a wireless communications device, and a tracking controller cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information to a user. Further, the function unit may include at least one uniquely coded transmitter to be carried by a user, a receiver at the vehicle for receiving signals from the at least one uniquely coded transmitter, and a function controller at the vehicle and connected to the receiver for learning the at least one uniquely coded transmitter to permit control of a vehicle function by the user. The function controller may advantageously cooperate with the wireless communications device of the tracking unit for sending an alert indication of whether at least one new uniquely coded transmitter has been learned.

29 Claims, 10 Drawing Sheets



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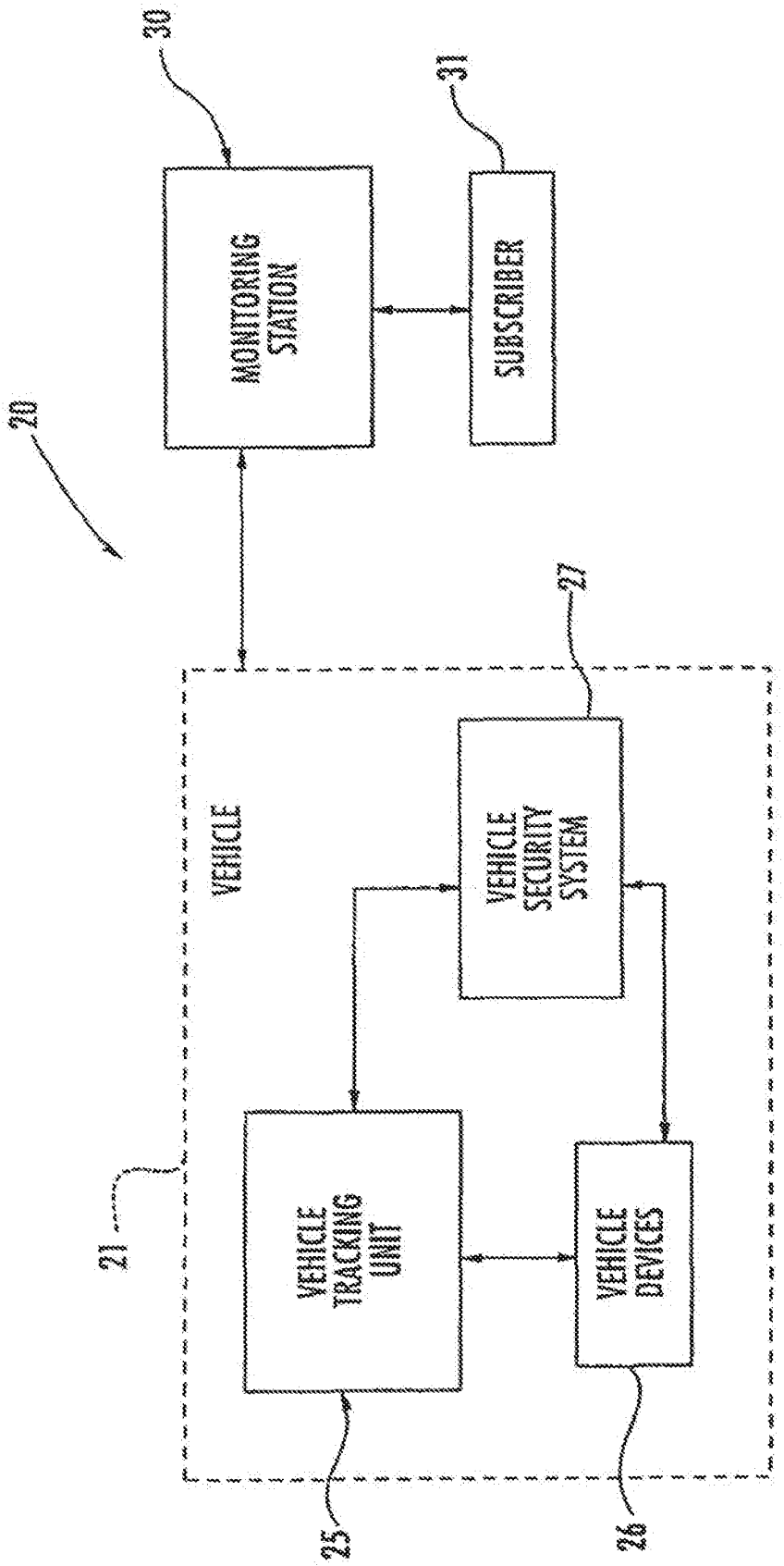
20
30
MONITORING STATION
31
SUBSCRIBER
21
VEHICLE
27
VEHICLE SECURITY SYSTEM
VEHICLE TRACKING UNIT
VEHICLE DEVICES
25
26

FIG. 1.

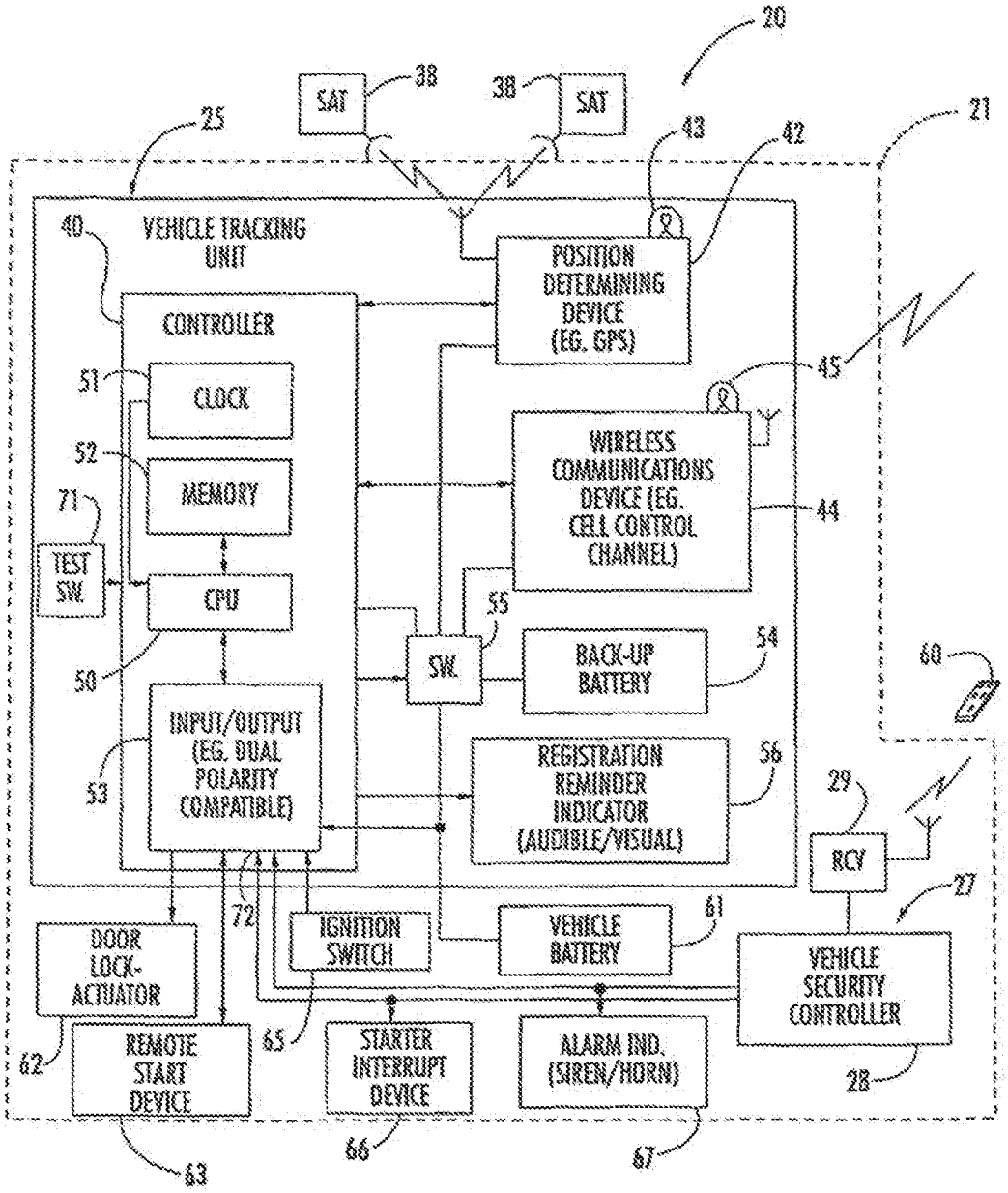
20
SAT
38
38
SAT
25
43
42
21
40
VEHICLE TRACKING UNIT
POSITION DETERMINING DEVICE (EG. GPS)
CONTROLLER
45
51
CLOCK
52
MEMORY
WIRELESS COMMUNICATIONS DEVICE (EG. CELL CONTROL CHANNEL)
44
71
TEST SW.
CPU
55
SW.
BACK-UP BATTERY
54
60
50
INPUT/OUTPUT (EG. DUAL POLARITY COMPATIBLE)
53
REGISTRATION REMINDER INDICATOR (AUDIBLE/VISUAL)
56
29
RCV
27
72
IGNITION SWITCH
VEHICLE BATTERY
61
DOOR LOCK-ACTUATOR
VEHICLE SECURITY CONTROLLER
62
REMOTE START DEVICE
65
STARTER INTERRUPT DEVICE
ALARM IND. (SIREN/HORN)
28
63
66
67

FIG. 2.

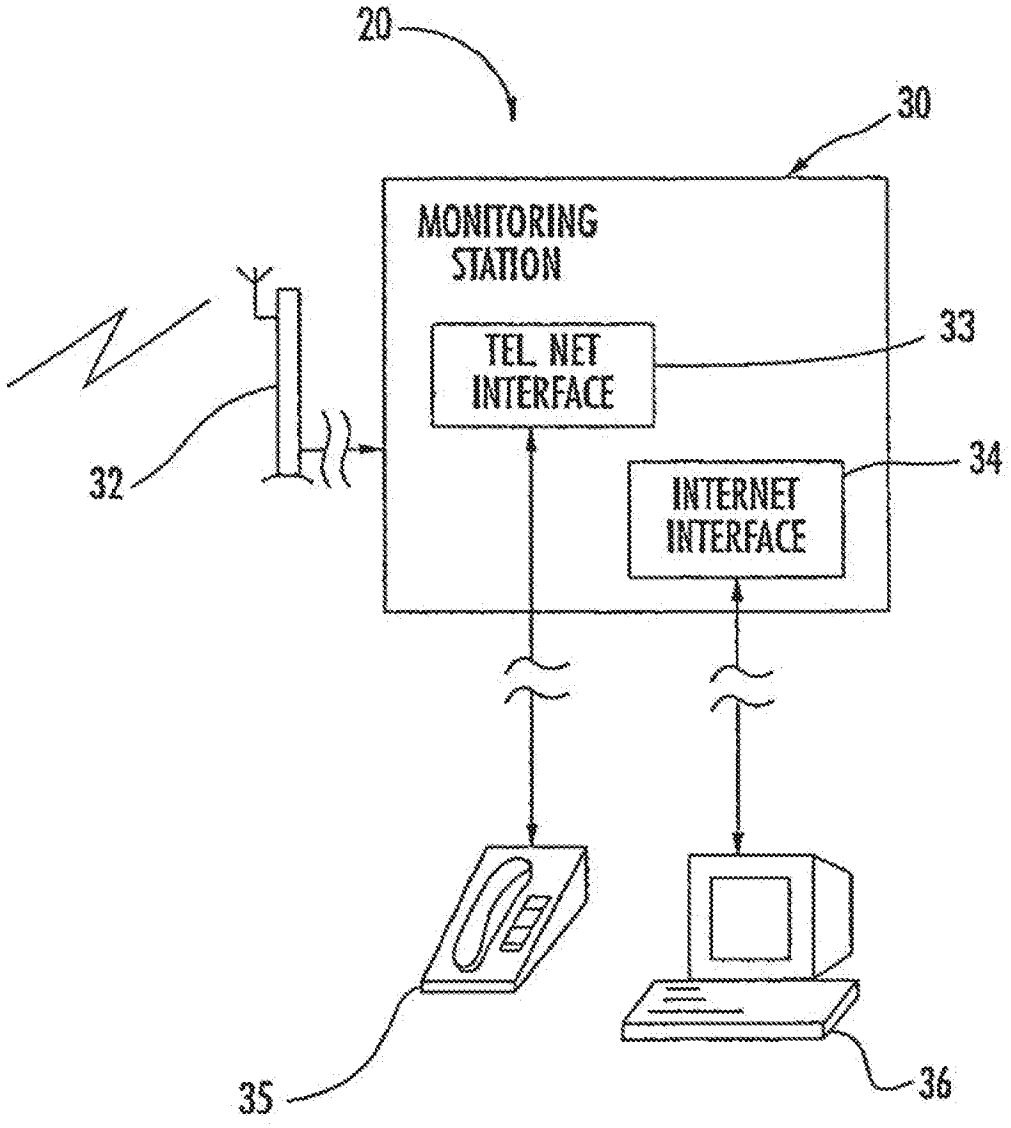
20
30
MONITORING STATION
TEL. NET INTERFACE
33
INTERNET INTERFACE
34
32
35
36

FIG. 3.

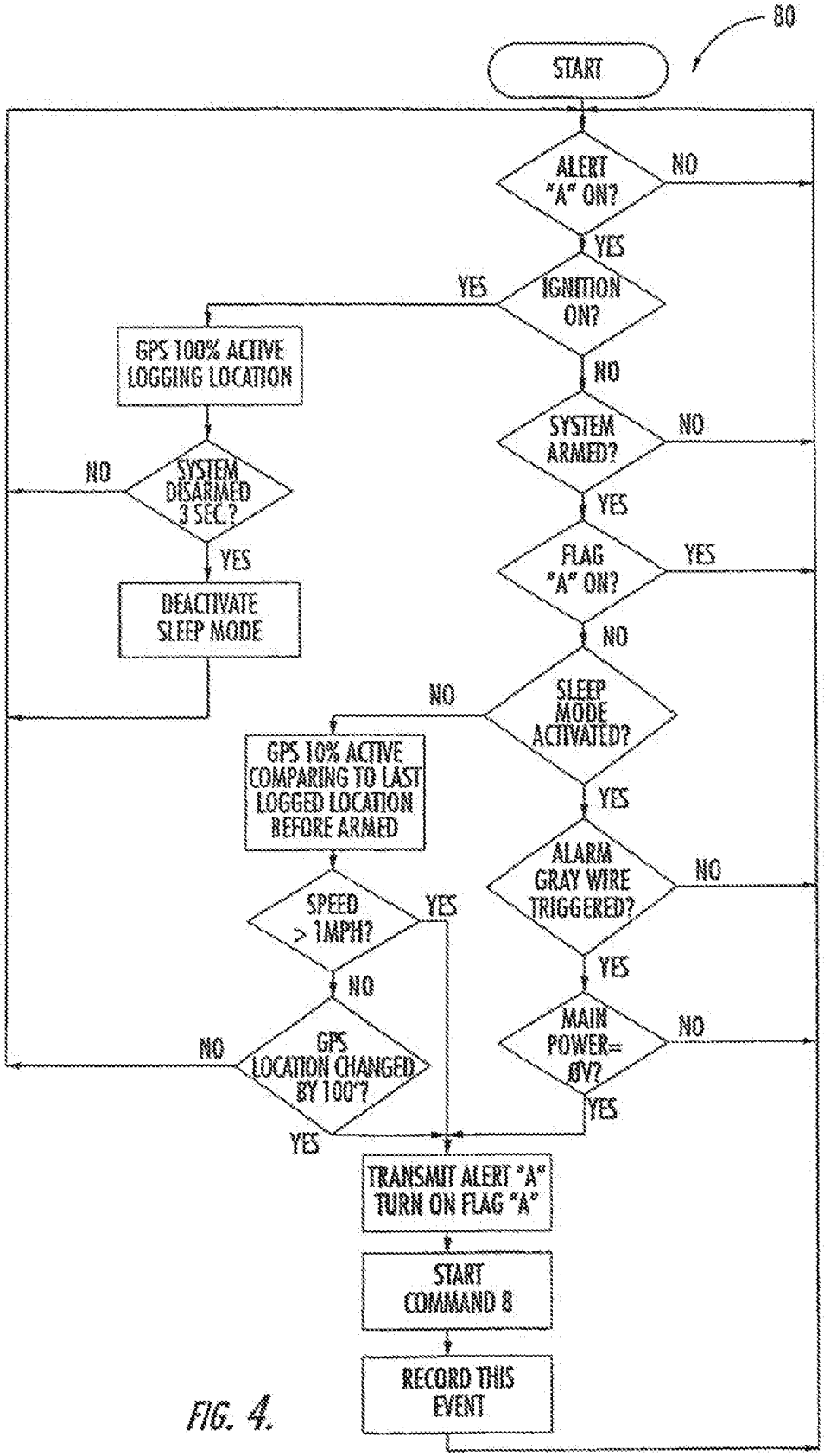
80
START
ALERT "A" ON?
NO
YES
IGNITION ON?
YES
GPS 100% ACTIVE LOGGING LOCATION
NO
SYSTEM ARMED?
NO
YES
SYSTEM DISARMED 3 SEC.?
NO
YES
DEACTIVATE SLEEP MODE
FLAG "A" ON?
YES
NO
SLEEP MODE ACTIVATED?
NO
GPS 10% ACTIVE COMPARING TO LAST LOGGED LOCATION BEFORE ARMED
YES
ALARM GRAY WIRE TRIGGERED?
NO
YES
SPEED > 1MPH?
YES
NO
GPS LOCATION CHANGED BY 100'?
NO
YES
MAIN POWER= ØV?
NO
YES
TRANSMIT ALERT "A" TURN ON FLAG "A"
START COMMAND 8
RECORD THIS EVENT

FIG. 4.

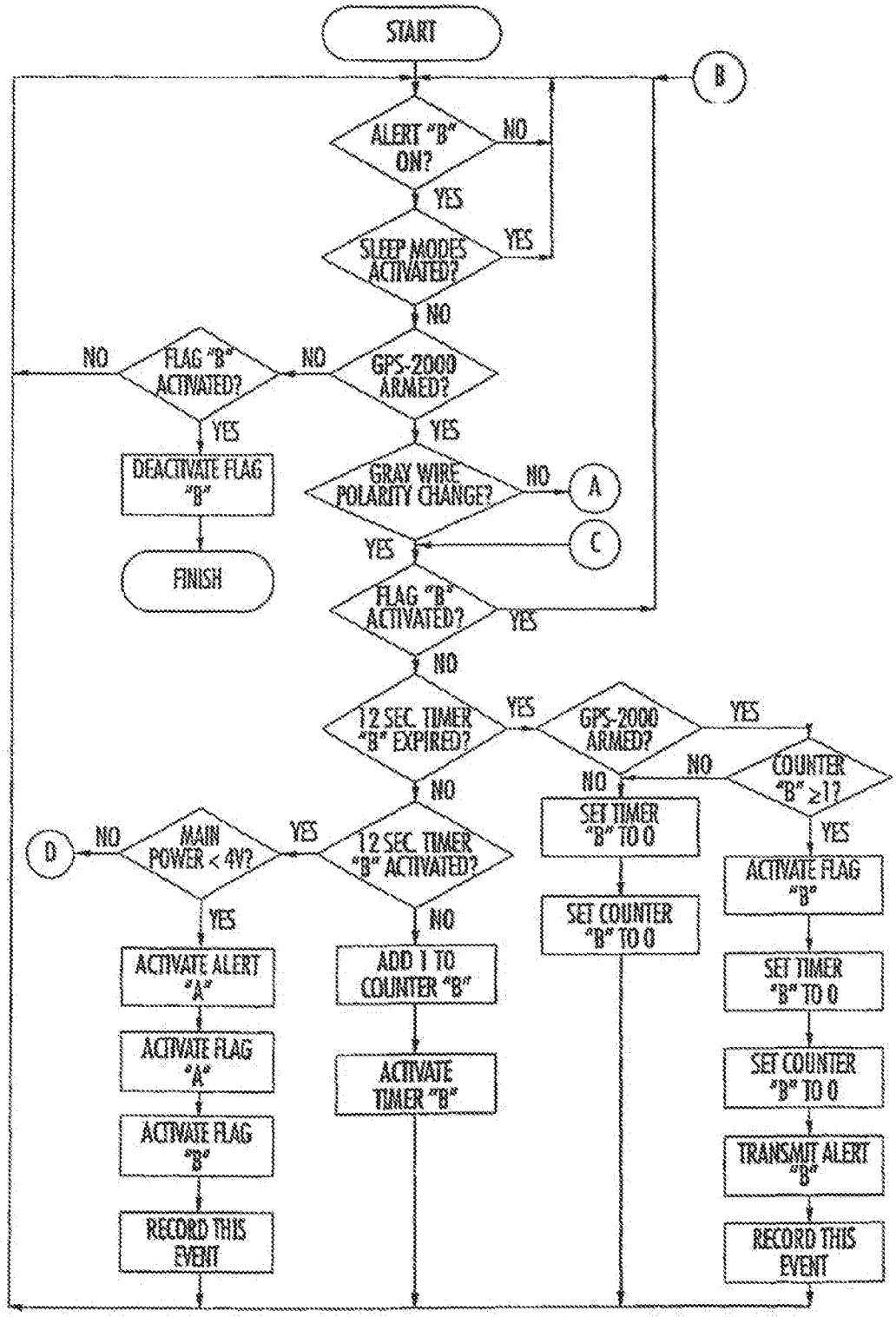
START
B
ALERT "B" ON?
NO
YES
SLEEP MODES ACTIVATED?
YES
NO
FLAG "B" ACTIVATED?
NO
GPS-2000 ARMED?
NO
YES
YES
DEACTIVATE FLAG "B"
FINISH
GRAY WIRE POLARITY CHANGE?
NO
A
C
YES
FLAG "B" ACTIVATED?
YES
NO
12 SEC. TIMER "B" EXPIRED?
YES
GPS-2000 ARMED?
YES
NO
COUNTER "B" ≥1?
NO
NO
SET TIMER "B" TO 0
SET COUNTER "B" TO 0
YES
ACTIVATE FLAG "B"
SET TIMER "B" TO 0
SET COUNTER "B" TO 0
TRANSMIT ALERT "B"
RECORD THIS EVENT
D
NO
MAIN POWER < 4V?
YES
12 SEC. TIMER "B" ACTIVATED?
YES
NO
ACTIVATE ALERT "A"
ACTIVATE FLAG "A"
ACTIVATE FLAG "B"
RECORD THIS EVENT
ADD 1 TO COUNTER "B"
ACTIVATE TIMER "B"

FIG. 5A.

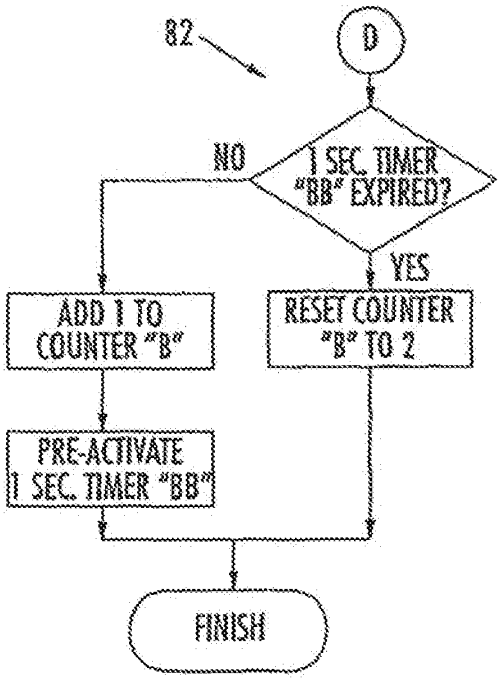
82
D
1 SEC. TIMER "BB" EXPIRED?
NO
YES
ADD 1 TO COUNTER "B"
RESET COUNTER "B" TO 2
PRE-ACTIVATE 1 SEC. TIMER "BB"
FINISH

FIG. 5B.

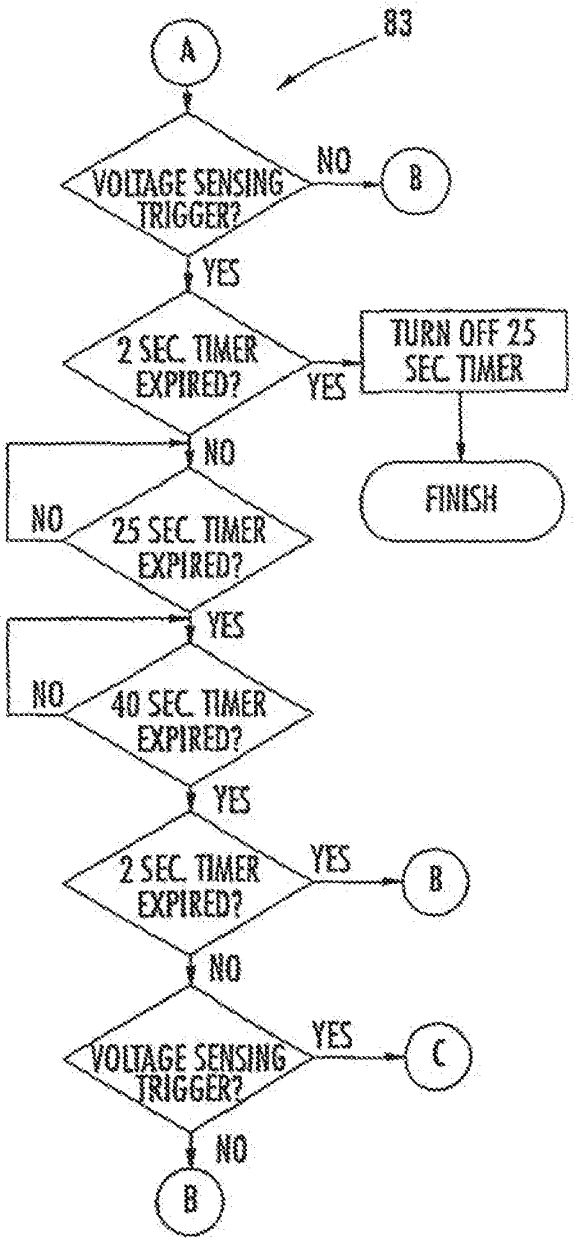
83
A
VOLTAGE SENSING TRIGGER?
NO
B
YES
2 SEC. TIMER EXPIRED?
YES
TURN OFF 25 SEC. TIMER
FINISH
NO
NO
25 SEC. TIMER EXPIRED?
YES
NO
40 SEC. TIMER EXPIRED?
YES
2 SEC. TIMER EXPIRED?
YES
B
NO
VOLTAGE SENSING TRIGGER?
YES
C
NO
B

FIG. 5C.

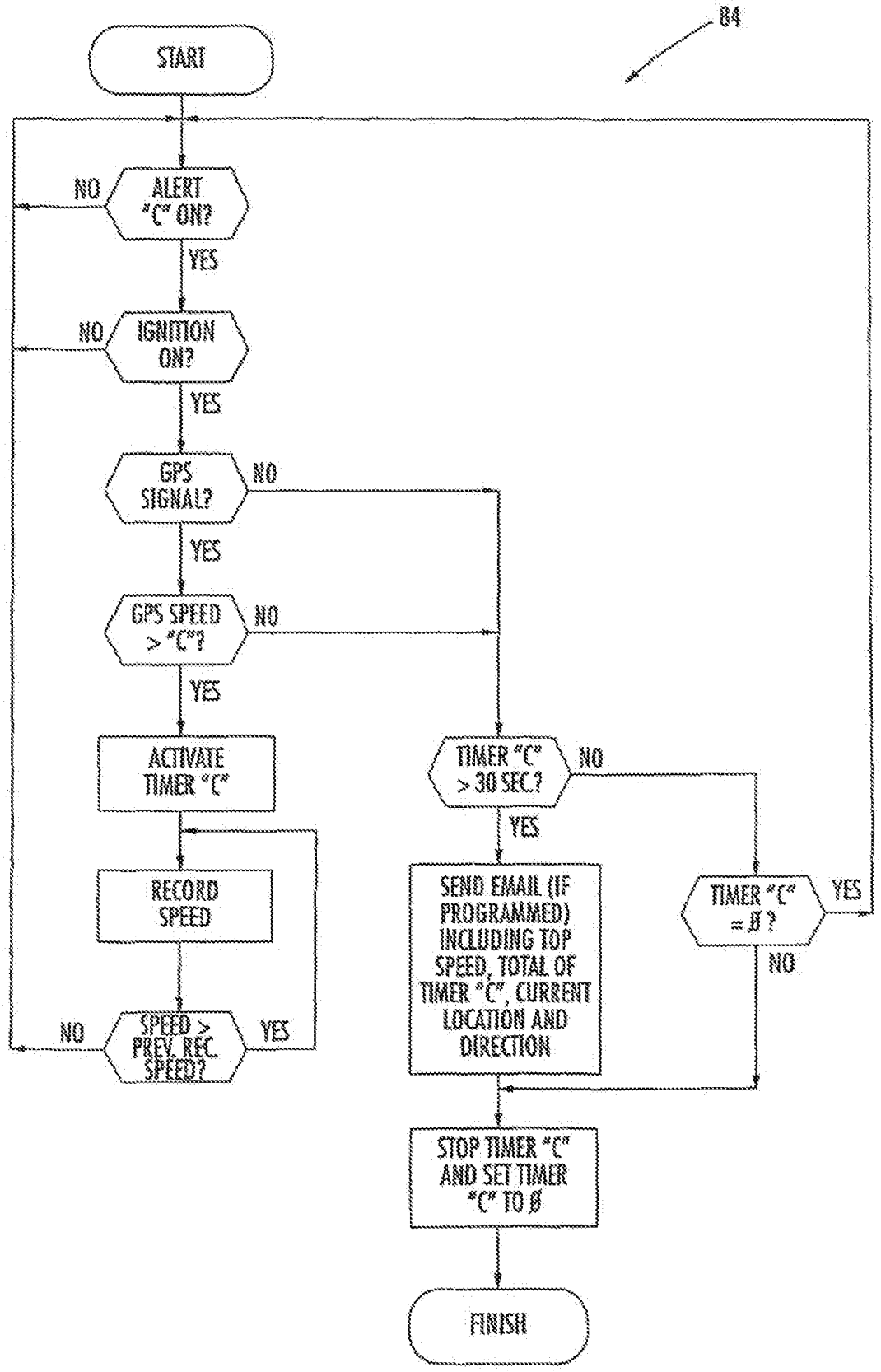
84
START
ALERT "C" ON?
NO
YES
IGNITION ON?
NO
YES
GPS SIGNAL?
NO
YES
GPS SPEED > "C"?
NO
YES
ACTIVATE TIMER "C"
RECORD SPEED
SPEED > PREV. REC. SPEED?
NO
YES
TIMER "C" > 30 SEC.?
NO
YES
SEND EMAIL (IF PROGRAMMED) INCLUDING TOP SPEED, TOTAL OF TIMER "C", CURRENT LOCATION AND DIRECTION
TIMER "C" = Ø ?
YES
NO
STOP TIMER "C" AND SET TIMER "C" TO Ø
FINISH

FIG. 6.

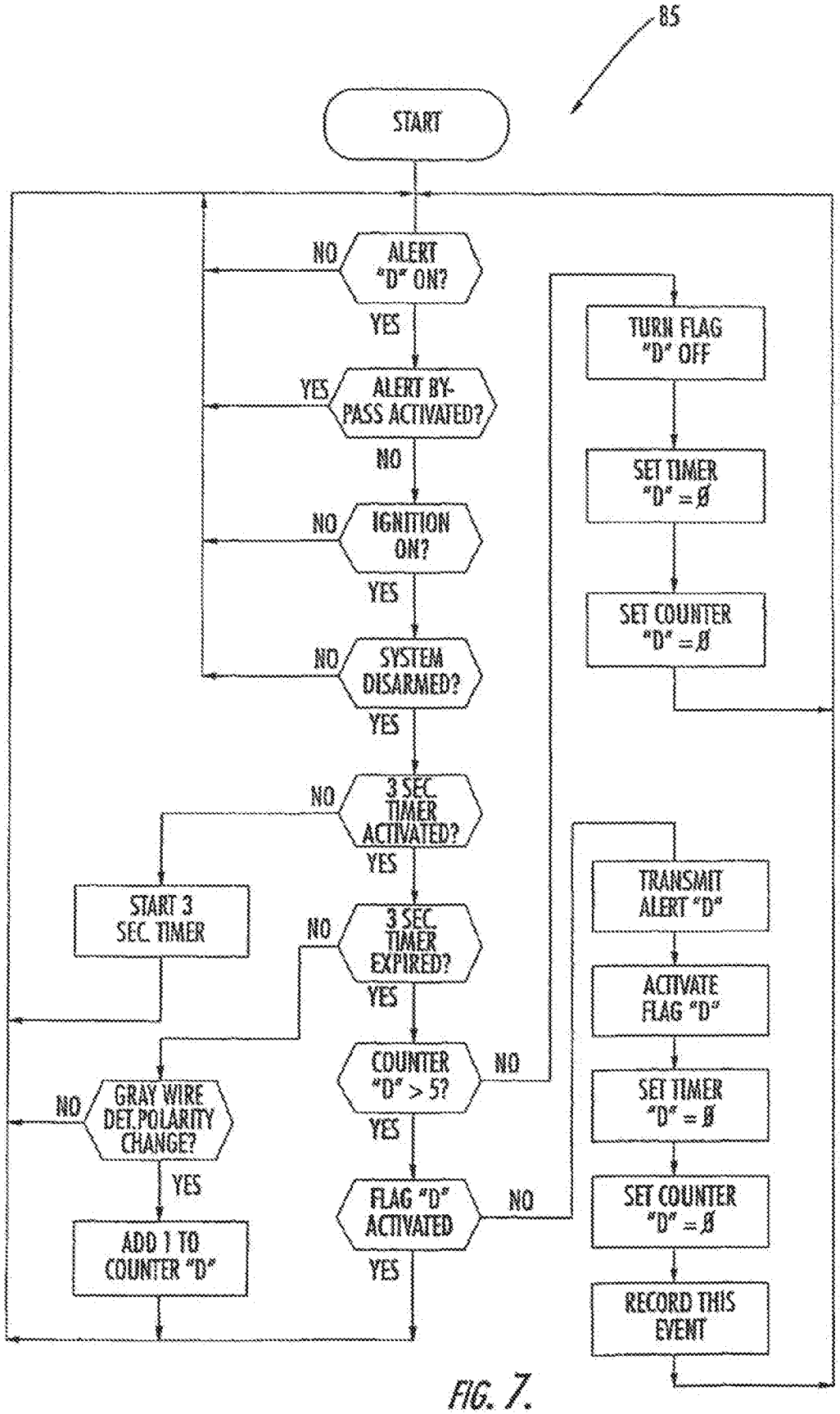
85
START
ALERT "D" ON?
NO
YES
ALERT BY-PASS ACTIVATED?
YES
NO
IGNITION ON?
NO
YES
SYSTEM DISARMED?
NO
YES
3 SEC. TIMER ACTIVATED?
NO
YES
START 3 SEC. TIMER
3 SEC. TIMER EXPIRED?
NO
YES
COUNTER "D" > 5?
NO
YES
GRAY WIRE DET.POLARITY CHANGE?
NO
YES
ADD 1 TO COUNTER "D"
FLAG "D" ACTIVATED
NO
YES
TURN FLAG "D" OFF
SET TIMER "D" = Ø
SET COUNTER "D" = Ø
TRANSMIT ALERT "D"
ACTIVATE FLAG "D"
SET TIMER "D" = Ø
SET COUNTER "D" = Ø
RECORD THIS EVENT

FIG. 7.

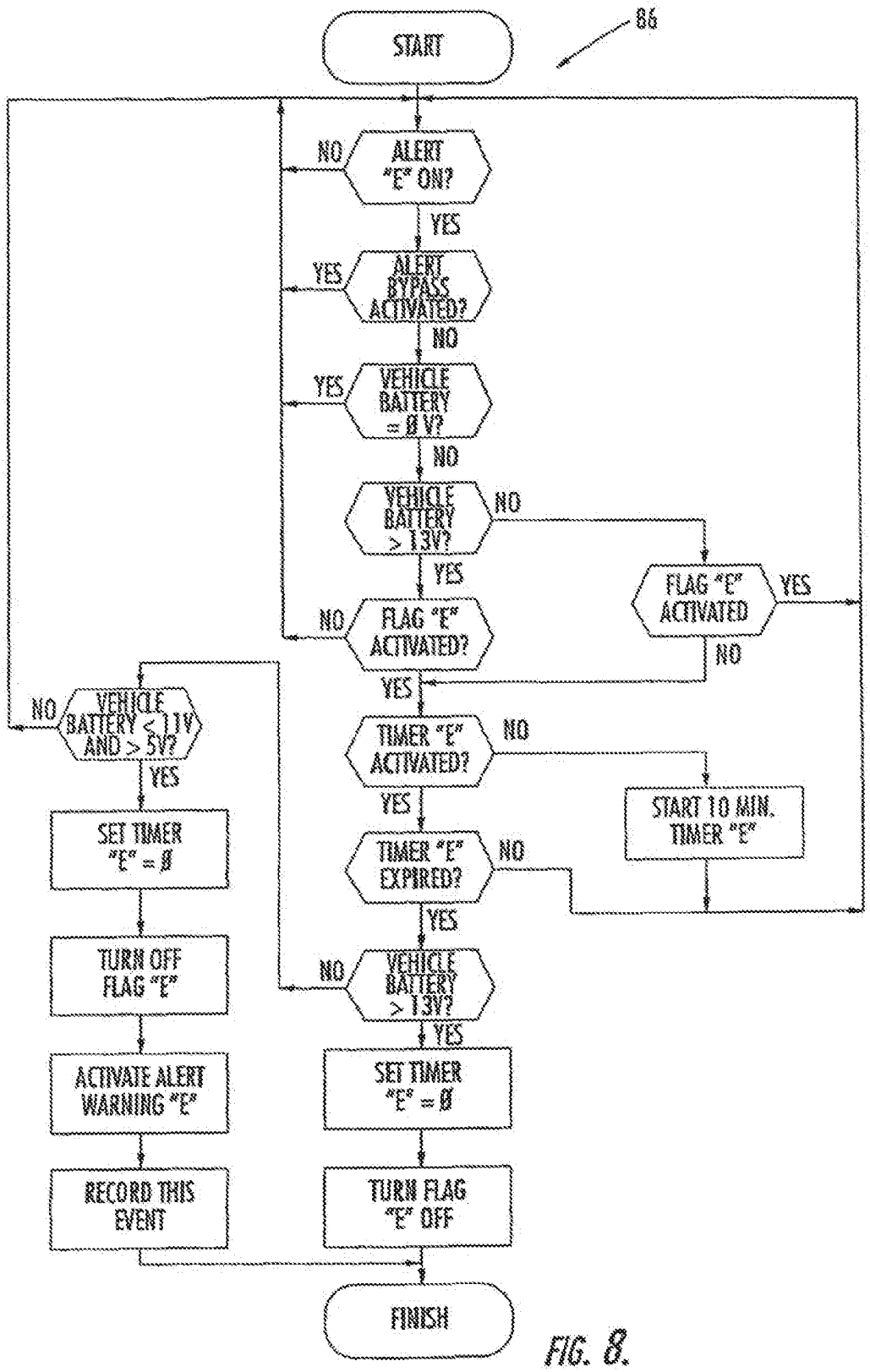
86
START
ALERT "E" ON?
NO
YES
ALERT BYPASS ACTIVATED?
YES
NO
VEHICLE BATTERY = Ø V?
YES
NO
VEHICLE BATTERY > 13V?
NO
YES
FLAG "E" ACTIVATED
YES
NO
FLAG "E" ACTIVATED?
NO
YES
VEHICLE BATTERY < 11V AND > 5V?
NO
YES
TIMER "E" ACTIVATED?
NO
YES
START 10 MIN. TIMER "E"
SET TIMER "E" = Ø
TIMER "E" EXPIRED?
NO
YES
TURN OFF FLAG "E"
VEHICLE BATTERY > 13V?
NO
YES
ACTIVATE ALERT WARNING "E"
SET TIMER "E" = Ø
RECORD THIS EVENT
TURN FLAG "E" OFF
FINISH

FIG. 8.

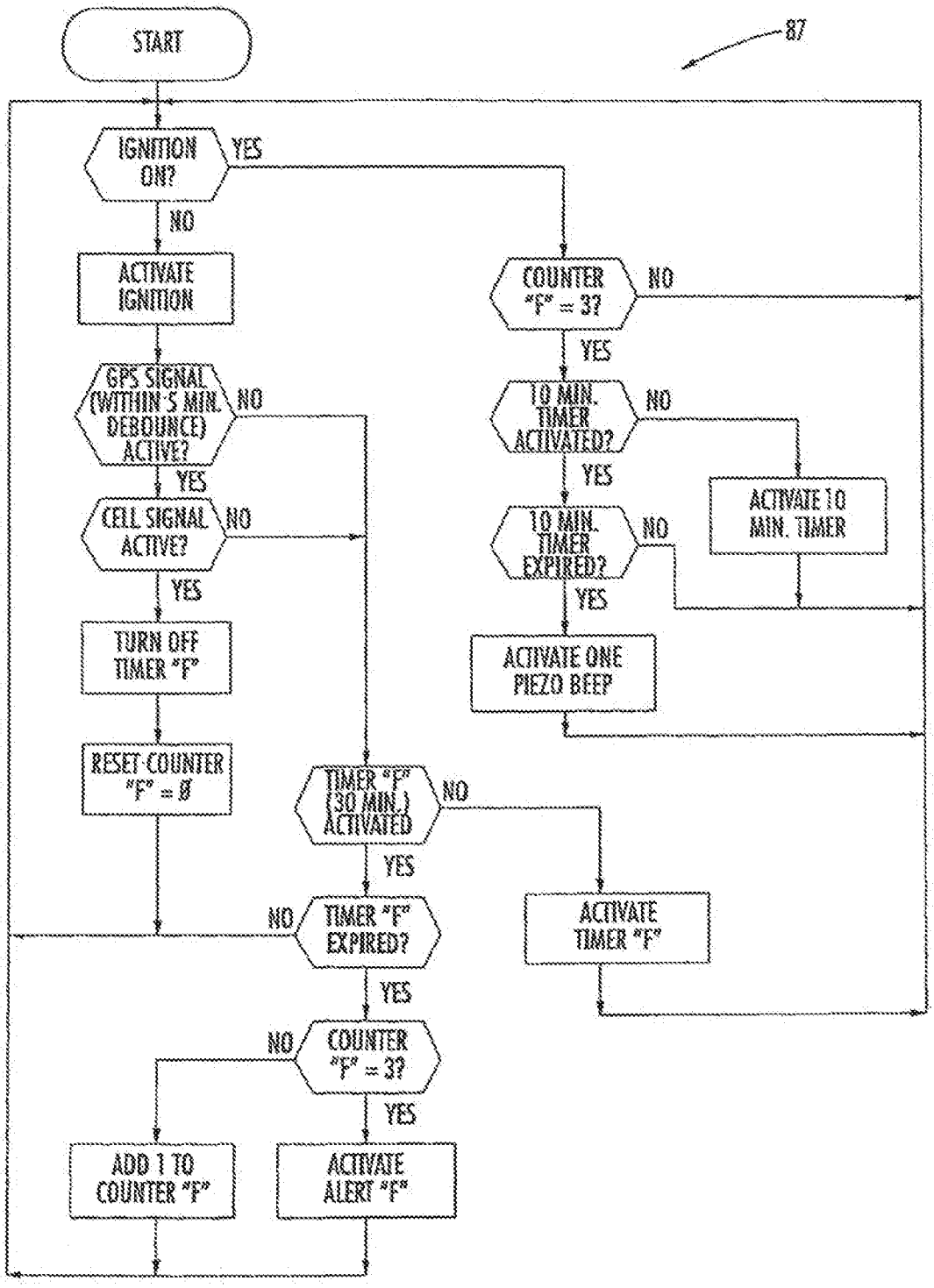
87
START
IGNITION ON?
YES
NO
ACTIVATE IGNITION
GPS SIGNAL (WITHIN 5 MIN. DEBOUNCE) ACTIVE?
NO
YES
CELL SIGNAL ACTIVE?
NO
YES
TURN OFF TIMER "F"
RESET COUNTER "F" = Ø
COUNTER "F" = 3?
NO
YES
10 MIN. TIMER ACTIVATED?
NO
YES
ACTIVATE 10 MIN. TIMER
10 MIN. TIMER EXPIRED?
NO
YES
ACTIVATE ONE PIEZO BEEP
TIMER "F" (30 MIN.) ACTIVATED
NO
YES
ACTIVATE TIMER "F"
TIMER "F" EXPIRED?
NO
YES
COUNTER "F" = 3?
NO
YES
ADD 1 TO COUNTER "F"
ACTIVATE ALERT "F"

FIG. 9.

VEHICLE TRACKER INCLUDING INPUT/OUTPUT FEATURES AND RELATED METHODS

RELATED APPLICATIONS

The present application is a continuation of U.S. patent application Ser. No. 10/383,496 filed Mar. 7, 2003 now U.S. Pat. No. 7,149,623, which is a continuation of U.S. patent application Ser. No. 09/859,972 filed on May 17, 2001 now U.S. Pat. No. 6,606,561 which, in turn, was based upon provisional patent application Ser. Nos. 60/264,811 filed on Jan. 29, 2001; 60/258,005, filed Dec. 22, 2000; 60/251,552, filed Dec. 6, 2000; 60/252,125, filed Nov. 20, 2000, 60/236,890, filed Sep. 29, 2000; 60/246,463, filed Nov. 7, 2000; 60/222,777, filed Aug. 3, 2000; 60/205,178, filed May 17, 2000; and non-provisional U.S. patent application Ser. No. 09/859,972, the entire contents of each of which are incorporated herein by reference.

FIELD OF THE INVENTION

The present invention relates to the field of vehicle devices, and, more particularly, to a tracking and alerting system for a vehicle.

BACKGROUND OF THE INVENTION

Motor vehicles, such as passenger cars, trucks, busses, fleet vehicles, etc. are widely used and knowing the locations of such vehicles is often desired. For example, should a vehicle be stolen, it would be beneficial to know the vehicle's location so that authorities could be promptly and accurately directed to retrieve the vehicle. Indeed, the tracking system could plot the getaway path of the thief.

For a company with hired drivers, it may be desirable to know the driver's whereabouts during the course of the day. Similarly, a rental car agency or other fleet operator, for example, may wish to know the whereabouts of its fleet of vehicles.

It may also be desirable to track the location of a vehicle as it is used throughout the course of a normal day. For parents of younger or older drivers, for example, knowledge of the vehicle's location may provide some assurance that the driver is at designated locations and following a prescribed route.

A number of patents disclose various systems and approaches to tracking vehicles. For example, U.S. Pat. No. 5,223,844 discloses a tracking system including a control center and a mobile unit installed in the vehicle. The mobile unit may send security warnings to the command center via a wireless transceiver. Position information for the vehicle is determined using a GPS receiver at the vehicle.

U.S. Pat. No. 5,515,043 discloses a similar system which may send one or more preprogrammed telephone messages to a user when away from the vehicle. The user may remotely access location information or cause certain commands to be carried out by entering a personal identification number (PIN).

The widespread availability and use of the Internet has prompted a number of vehicle tracking systems to also make use of the Internet. For example, TellEvoke, Inc. proposed such a system in combination with Clifford Electronics. The system was to provide notification, control and tracking services via the telephone or the Internet. Users could be notified via phone, e-mail, or pager of events such as a car alarm being triggered. Users could control the vehicle remote devices via phone, web, or PDA such as unlocking car doors. Additionally, users could track TellEvoke-enabled vehicles on the Internet or via the telephone. An Internet map could be viewed by the user showing the actual and prior vehicle locations. TellEvoke offered its services via a centralized fully automated Network Operations Center. To reduce the communications costs, it was proposed to use the control channel of the cellular telephone network.

There are, of course, a number of vehicles which come from the manufacturer with some form of security system already installed. In addition, a number of vehicles are also equipped with aftermarket security systems. Many conventional vehicle tracking units may not be readily installed in vehicles, particularly those vehicles already including a vehicle security system. In addition, complexity of installation may significantly increase the system costs.

SUMMARY OF THE INVENTION

In view of the foregoing background, it is therefore an object of the present invention to provide a vehicle control system that provides vehicle tracking and function control capabilities.

This and other objects, features, and advantages in accordance with the present invention are provided by a vehicle control system including a tracking unit and a function unit cooperating therewith. The tracking unit may include a vehicle position determining device, a wireless communications device, and a tracking controller cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information to a user. Further, the function unit may include at least one uniquely coded transmitter to be carried by a user, a receiver at the vehicle for receiving signals from the at least one uniquely coded transmitter, and a function controller at the vehicle and connected to the receiver for learning the at least one uniquely coded transmitter to permit control of a vehicle function by the user. The function controller may advantageously cooperate with the wireless communications device of the tracking unit for sending an alert indication of whether at least one new uniquely coded transmitter has been learned.

More particularly, the vehicle control system may further include a local indicator connected to the function controller for providing a local indication of whether at least one uniquely coded transmitter has been learned. Also, the vehicle function may be associated with starting of a vehicle engine, vehicle door locks, and/or vehicle security.

The function controller may be switchable to a learning mode to permit learning of the at least one uniquely coded transmitter, and the function controller may cooperate with the wireless communications device for sending the alert indication when the learning mode has been entered. Moreover, the function controller may cooperate with the wireless communications device for sending the alert indication when the learning mode has last been entered.

Additionally, the function controller may cooperate with the wireless communications device for sending the alert indication for a passage of time since the learning mode has last been entered. Similarly, the function controller may cooperate with the wireless communications device for sending the alert indication for a number of learned uniquely coded transmitters, as well as for sending the alert indication for a change in a number of learned uniquely coded transmitters, and/or for sending the alert indication for a change in a code of at least one learned uniquely coded transmitter.

Further, the at least one uniquely coded transmitter may include at least one uniquely coded remote transmitter, as well as at least one uniquely coded transponder transmitter,

for example. The vehicle position determining device may be a Global Positioning System (GPS) device, and the wireless communications device may be a cellular telephone communications device, for example.

The function unit may also include a biometric characteristic sensor for sensing a unique biometric characteristic of a user, and a function controller at the vehicle and connected to the biometric characteristic sensor for learning the unique biometric characteristic to permit control of a vehicle function by the user. Moreover, the function controller may cooperate with the wireless communications device of the tracking unit for sending an alert indication of whether at least one new unique biometric characteristic has been learned.

A vehicle control method aspect of the invention for a vehicle including a vehicle tracking unit for sending vehicle position information to a user may include receiving signals from at least one uniquely coded transmitter at a receiver at the vehicle, and learning the at least one uniquely coded transmitter to permit control of a vehicle function by the user using a function controller at the vehicle and connected to the receiver. Furthermore, the method may also include sending an alert indication of whether at least one new uniquely coded transmitter has been learned using the vehicle tracking unit.

Similarly, a unique biometric characteristic of a user may be sensed using a biometric characteristic sensor at the vehicle, and the unique biometric characteristic may be learned to permit control of a vehicle function by the user using a function controller at the vehicle and connected to the biometric characteristic sensor. In addition, an alert indication may be sent of whether at least one new unique biometric characteristic has been learned using the vehicle tracking unit.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** is a simplified block diagram of a vehicle tracking system in accordance with the present invention.

FIG. **2** is a more detailed block diagram of the vehicle tracking unit as shown in FIG. **1**.

FIG. **3** is a more detailed block diagram of the monitoring station as shown in FIG. **1**.

FIG. **4** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle stolen alert.

FIGS. **5**A-**5**C are a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle alarm sounding alert.

FIG. **6** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle speeding alert.

FIG. **7** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating an unauthorized transmitter learned alert.

FIG. **8** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a low battery alert.

FIG. **9** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a GPS or cellular unit failure alert.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

The present invention will now be described more fully hereinafter with reference to the accompanying drawings in which preferred embodiments of the invention are shown. This invention may, however, be embodied in many different forms and should not be construed as limited to the illustrated embodiments set forth herein. Rather, these embodiments are provided so that this disclosure will be thorough and complete, and will fully convey the scope of the invention to those skilled in the art. Like numbers refer to like elements throughout.

Referring to FIGS. **1**-**3**, the vehicle tracking system **20** in accordance with the invention is now initially described. The vehicle system **20** illustratively includes a vehicle tracking unit **25** to be mounted in the vehicle **21** and a monitoring station **30** which is remote from the vehicle and which is typically in a fixed location. In the illustrated embodiment, the vehicle tracking unit **25** interfaces with various vehicle devices, such as may include security sensors, door locks, etc. as will be appreciated by those skilled in the art.

The vehicle tracking unit **25** is also illustratively connected to a separate vehicle security system **27** as may already be installed in the vehicle **21**, from the factory or installed as an aftermarket product. Those of skill in the art will appreciate that in some embodiments of the vehicle tracking system **20** a separate vehicle security system **27** may not be needed, and/or various features thereof can be readily incorporated in the vehicle tracking unit **25**.

The monitoring station **30** may typically service a number of subscribers **31**. As shown perhaps best in FIG. **3**, the monitoring station **30** may include a user interface, such as the schematically illustrated telephone network interface **33** and the internet interface **34** which are schematically coupled to a telephone **35**, and a computer **36**, respectively. Of course in other embodiments, other interfaces may be used and only one of the illustrated interfaces may be needed. Those of skill in the art will also recognize that messages may be sent to a subscriber or user via preprogrammed voice messages, e-mail messages, facsimile messages, pager alerts, etc. In addition commands or instructions from the subscriber can also be input to the monitoring station **30** via the telephone network interface **33** and/or the internet interface **34**, from the subscribers telephone **35** or computer **36**.

The monitoring station **30** is illustratively connected to a cellular telephone tower **32** which, in turn, may communicate with the vehicle tracking unit **25** in some embodiments. Of course, in other embodiments other communications approaches are also contemplated, such as, for example, including satellite communications.

The monitoring station **30** may typically include the necessary modems, and other communications electronics, and computers for its functions which are described in greater detail below. The configuration of such components and their details will be readily apparent to those skilled in the art. Accordingly, no further discussion of these details is needed.

Referring now more specifically to FIG. **2**, additional details of the vehicle tracking unit **25** and devices at the vehicle are now further described. The vehicle tracking unit **25** illustratively includes a controller **40**, a vehicle position determining device **42**, and a wireless communications device **44** connected together. The vehicle position determining device **42** may be provided by a GPS receiver, for example. The GPS receiver typically operates by receiving multiple signals from spaced apart satellites **38** as will be appreciated by those skilled in the art.

In other embodiments, the vehicle position determining device **42** may be provided based upon communications with the cellular telephone network, or based upon other satellite transmissions, for example. As a particular example, time of arrival techniques are available based upon multiple reception paths to determine position via the cellular telephone network as will be appreciated by those skilled in the art. The vehicle position determining device **42** also illustratively includes an indicator **43** associated therewith, such as for indicating an

operating mode, or proper operation of the device as will be addressed in greater detail below.

The wireless communications device **44** may be provided by a cellular telephone transceiver configured to operate on a control channel of the cellular network. Such a control channel may provide nearly universal coverage for the tracking system **20** as will be appreciated by those skilled in the art. In addition, the control channel may offer relatively inexpensive communications between the monitoring station **30** and the vehicle tracking unit **25** as will be appreciated by those skilled in the art. The wireless communications device **44** also illustratively includes an optional status indicator **45** with a similar function as the indicator **43** for the vehicle position determining device.

The wireless communications device **44** in other embodiments, may transmit in the voiceband of the cellular network. Alternately, the wireless communications device may communicate over other networks, such as over satellite, or via wireless internet services, as will be appreciated by those skilled in the art.

The controller **40** illustratively includes a central processing unit (CPU) **50** or other logic circuitry which is connected to a clock signal generator **51** and a memory **52**. In other embodiments, the memory **52** may be an embedded memory in the CPU **50**. The controller **40** also includes schematically illustrated input/output circuitry **53** to interface with various vehicle devices. In particular the input/output circuitry **53** may provide dual polarity compatibility for one or more inputs or outputs as will be described in greater detail below. One or more of the terminals of the input/output circuitry **53** may also provide both input and output functions as will also be described in greater detail below. This may significantly simplify and accelerate installation of the vehicle tracking unit **25** in the vehicle **21**.

Also illustratively shown as part of the vehicle tracking unit **25** are a back-up battery **54**, and switch **55** connected thereto for selectively powering certain of the components based upon the controller **40**. Of course, the vehicle **21** also includes an electrical system including the vehicle battery **61**. Powering of the vehicle tracking unit **25** is described in greater detail below.

The vehicle **21** also includes a number of other components that may relate to vehicle tracking, security, and/or convenience features provided by the vehicle tracking system **20**. For example, the vehicle **21** may include one or more door lock actuators **62**, an optional remote starting device **63**, a starter interrupt device **66** and an alarm indicator **67**. For example, the alarm indicator may be provided by a vehicle horn or vehicle siren, and/or flashing of the lights.

The optional separate security system **27** illustratively includes a vehicle security controller **28** and a receiver **29** connected thereto. As is conventional, the vehicle security system **27** may be switched between armed and disarmed modes, for example, by one or more uniquely coded remote transmitters **60**. The vehicle security controller **28** may also be capable of learning a new uniquely coded remote transmitter **60** as will be appreciated by those skilled in the art. The vehicle security controller **28** also illustratively is connected to the starter interrupt device **66** and the alarm indicator **67**.

For ease of explanation, a number of the features of the vehicle tracking system **20** are now described. The vehicle tracking system **20** includes a number of features that may simplify installation and maintenance. For example, as shown in FIG. **2**, the vehicle tracking unit **25** may have a test switch **71** connected to the controller **40**.

In normal operation, the controller **40** may be called upon to operate at least one vehicle device. Of course, the controller **40** also cooperates with the wireless communications device **44** and the vehicle position determining device **42** to determine and send vehicle position information to the monitoring station **30**. Moreover, the controller **40** may be switchable to a test mode for test operation of the at least one vehicle device responsive to activation of the test switch **71**.

In some embodiments, the at least one vehicle device may be a plurality of vehicle devices that are tested by operation in sequence. For example, the at least one vehicle device may comprise at least one door lock actuator **62**. The at least one vehicle device may also comprise the starter interrupt device **66**, or the engine remote starter **63** if remote starting is an implemented feature. The at least one vehicle device which is tested, may also be the alarm indicator **67**. Accordingly, an installer, for example, can quickly check that the tracking unit has been properly installed.

To further provide for ready determination of proper operation of the vehicle tracking unit **25**, one or both of the position determining and wireless communications devices **42**, **44** may include associated indicators **43**, **45** as mentioned briefly above, and which provide an indication relating to proper operation. Each indicator **43**, **45** may indicate a mode of operation of the device, its proper operation, or a partial or complete failure of the device.

Another aspect of the invention is that the controller **40** may provide a selectable polarity for the at least one vehicle device based upon sensing thereof. Accordingly, a predetermined activation of the test switch **71** may cause the controller **40** to sense and select the proper polarity. Pressing the test switch **71** for a predetermined time or in a predetermined pattern may sense and set the polarity.

Another feature of the vehicle tracking unit **25** and vehicle tracking system **20** relates to conservation of the number of codes or messages that need to be sent to the vehicle tracking unit. In particular, the controller **40** may have a plurality of different controller states and respond differently to a same message from the monitoring station **30** at different times depending upon the controller state at a given time. Accordingly, a number of codes or messages used by the system can be conserved. Various messages are described in greater detail below.

A controller state may change based upon several different occurrences or events. For example the controller may change states in response to a change in at least one vehicle device, or based upon a message received by the wireless communications device **44** from the monitoring station **30**, and/or based upon elapsed time. The controller states, for example, may include an alert sent state based upon an alert message being sent from the wireless communications device **44**. Thereafter, receipt of a predetermined message by the wireless communications device **44** when the controller **40** is in the alert sent state may confirm receipt of the alert message by the monitoring station.

Receipt of the predetermined message by the wireless communications device **44** when the controller **40** is in another state different than the alert sent state may thus cause a different response by the controller. The alert sent state may comprise at least one of a vehicle stolen alert sent state, a vehicle alarm sounding alert sent state, a vehicle speeding alert sent state, an unauthorized remote transmitter alert sent state, a low vehicle battery alert sent state, and a device malfunction alert sent state. The various alert messages and confirmation thereof are described in greater detail below.

The code or message conservation aspects of the vehicle tracking system **20** also permit sending a sequence of codes or messages within a predetermined time to also cause a different response at the vehicle tracking unit **25**. In other words,

the plurality of controller states may comprise a received first message state based upon a first message being received by the wireless communications device **44** from the monitoring station **30**. Receipt of a second message by the wireless communications device **44** when the controller **40** is in the received first message state, such as within a predetermined time window, for example, may thus cause a different response by the controller than does receipt of the second message when the controller is in another state than the received first message state.

The plurality of controller states may comprise a vehicle finder state sounding an audible signal via the alarm indicator **67** at the vehicle **21**. In this state the controller **40** would bypass sending a vehicle alarm sounding alert to the monitoring station **30**.

Another aspect of the vehicle tracking system **20** is the provision of certain power conservation and management techniques, such as to permit extended periods where the vehicle **21** is not in operation. During such extended periods, the vehicle battery **61** provides power to the vehicle tracking unit **25** as well as other vehicle devices. Accordingly, the voltage of the vehicle battery **61** drops over time. The vehicle tracking unit **25** may provide a significant drain on the vehicle battery **61** because of the power consumed by the wireless communications device **44** during transmission as will be appreciated by those skilled in the art.

The vehicle position determining device **42**, the wireless communications device **44** and the controller **40** may be considered as defining a power load of the vehicle tracking unit **25**. The controller **40** may operate the schematically illustrated power switch **55** to isolate the back-up battery **54** from the power load as a voltage of the vehicle battery **61** drops until reaching a threshold. After or below the threshold the controller **40** may cause the back-up battery **54** to selectively power only a first portion of the power load while a second portion of the power load remains powered by the vehicle battery.

For example, the wireless communications device **44** may have a higher operating voltage than the vehicle position determining device **42**. The first portion of the power load that is selectively powered despite the low vehicle battery voltage may thus be the wireless communications device **44**. In particular, the wireless communications device **44** may be powered for transmission. Accordingly, the back-up battery **54** can be saved for limited communication using the higher voltage wireless communications device **44**. This provides useful features even after an extended period during which the vehicle **21** is left unattended and the vehicle battery **61** gradually discharges.

To further conserve power, the controller **40** may reduce operation of the power load as vehicle battery voltage falls. Conversely, the controller **40** may restore operation of the power load based upon the voltage of the vehicle battery **61** rising again, such as upon being recharged.

Also relating to power consumption, the controller **40** further causes transmission of a low vehicle battery voltage alert to the monitoring station **30** based upon the voltage of the vehicle battery **61** falling below the threshold. The user or subscriber may cause the monitoring station **30** to issue a remote start command. The controller **40** may then generate a remote start output to the remote start device **63** to thereby start the engine and recharge the vehicle battery.

Another feature of the vehicle tracking system **20** is that the vehicle tracking unit **25** may be readily installed and connected to a vehicle **21**, such as in the illustrated embodiment where the vehicle includes a starter interrupt device **66** and a separate vehicle security controller **28**. More particularly, the controller **40** may switch between an armed mode and a disarmed mode based upon operation of the engine starter interrupt device **66**. The controller **40** when in the armed mode may cooperate with the wireless communications device **44** to send an alert message to the monitoring station **30** and including vehicle position information, for example, based upon the vehicle position determining device **42**. The controller **40** is also for selectively operating the engine starter interrupt device **66** to provide additional security features.

In one advantageous embodiment, the controller **40** preferably comprises a combination input and output terminal for connection to the engine starter interrupt device. This terminal is at the input/output circuitry **53** and is schematically illustrated by reference numeral **72**. The controller **40** may switch to the armed mode when in the disarmed mode and based upon the engine starter interrupt device **66** being operated to disable engine starting. Conversely, the controller **40** may switch to the disarmed mode based upon the engine starter interrupt device **66** being operated to enable engine starting. In other words, the vehicle tracking unit **25** can piggyback its arming and disarming off the existing vehicle security system **27**, for example.

The controller **40** may also selectively operate the engine starter interrupt device **66** based upon a command message from the monitoring station **30**. The controller **40** may selectively operate the engine starter interrupt device **66** based upon a command message from the monitoring station **30**. Alternately, or in addition thereto, the controller **40** may selectively operate the engine starter interrupt device **66** based upon the ignition switch **65**.

The following descriptive portions relate to various user or subscriber notifications and features provided by the vehicle tracking system **20**. Of course, the controller **40** preferably cooperates with the wireless communications device **44** to send an alert message. The monitoring station **30** may comprise a user interface, such as one or both of the telephone network or internet interfaces **33**, **34**, respectively (FIG. **3**), for generating a sequence of alert message notifications based upon receiving the alert message sent from the vehicle tracking unit **25**. More particularly, the monitoring station interface permits canceling any remaining alert message notification based upon a cancellation command response from a user or subscriber having already received the alert message notification. The user may send the cancellation response via the telephone **35** or computer **36** (FIG. **3**), for example. Thus, if the user may be reached at different telephone numbers or different users are desirably notified of the alert, this aspect of the vehicle tracking system **20** can make the notifications efficiently and without making unnecessary notifications.

The vehicle tracking system **20** may provide any of a number of very useful alerts, as discussed herein. For example, the alert message sent from the vehicle tracking unit may comprise at least one of a vehicle stolen alert message, and a vehicle alarm sounding alert message. The alert message may be one of a vehicle speeding alert message, and a vehicle acceleration alert message. In addition, the alert message may comprise an unauthorized remote transmitter alert message. Also, the alert message may be at least one of a low vehicle battery alert message, and a device malfunction alert message.

The speeding alert may be based upon exceeding a speed threshold for greater than a certain time, which may be user selectable. The acceleration alert may also be useful as such is also indicative of aggressive driving along with the speeding alert. The unauthorized remote transmitter alert increases overall security since a user will be notified if a would-be thief

learns an unauthorized transmitter to operate the controller. These alerts are described in greater detail below.

The vehicle tracking system **20** may be implemented as a service to a subscriber. In other words, the subscriber pays a monthly fee for the service. Accordingly, it may be important to encourage a user to register. Similar subscriber or registrations systems in the past have suffered revenue losses since some users would wait to activate the system until the vehicle was stolen. In other words, the user would only subscribe or register and pay a single month's fee.

In accordance with this aspect of the vehicle tracking system **20** prompt user registration is encouraged. In particular, the vehicle tracking unit **25** may include the user registration reminder indicator **56** and the controller **40** may be switchable from an unregistered mode to a registered mode. In the registered mode, the controller **40** may cooperate with the wireless communications device **44** and the vehicle position determining device **42** to determine and send vehicle position information to the monitoring station **30**. In the unregistered mode, the controller **40** may activate the user registration reminder indicator **56** to encourage registration by the user.

The controller **40** may be switchable to the registered mode based upon an activation message from the monitoring station **30**. For example, when the registration payment has been received, the monitoring station can send one or more messages to the vehicle tracking unit **25** to stop activation of the registration reminder indicator **56**. The indicator **56** may be audible, visual or both. For example, the registration reminder indicator **56** could be a beeping sound generated by a small piezoelectric transducer every ten minutes or so when the ignition **65** is on.

In other words, the user registration reminder indicator **56** may provide a minor but irritating annoyance to the user to encourage registration. Upon successfully registering, the annoyance is abated. Accordingly, a relatively straightforward approach is provided to encourage user registration.

Along these lines, the controller **40** when in the unregistered mode may have reduced features compared to the registered mode. For example, the controller **40** when in the unregistered mode may be restricted or limited in sending messages with the wireless communications device **44**. Accordingly, usage of the wireless communications network may be reduced. Transmissions from the vehicle tracking unit **25** may also be beneficially suppressed during original installation, for example.

Returning again to features of the vehicle tracking unit **25** which facilitate installation, the controller **40** may send an alarm indication alert responsive to a continuous activation of the alarm indicator **67** for greater than a predetermined time. Alternately, or in addition thereto, the controller **40** may send an alarm indication alert responsive to a repetitive pattern of alarm indicator **67** activations. In other words, the controller may be configured to distinguish between normal operation of a vehicle horn by the driver, and activation of the horn by the security system **27**. As mentioned above, the controller **40** may also monitor signals of at least one of a first and second polarity. The controller **40** thus advantageously piggybacks off the alarm indication generated by the vehicle security system **27** to determine and send a vehicle alarm sounding alert to the monitoring station **30**.

In one variation, the controller **40** may monitor signals delivered directly to the vehicle alarm indicator by the vehicle security controller **28**. In another variation, the controller **40** monitors signals of voltage dips of the vehicle battery **61**. Circuitry is conventionally and readily available for both such functions, as will be readily appreciated by those skilled in the art.

The controller **40** may also include a dual polarity compatible output in the input/output circuitry **53** for a vehicle device, such as the vehicle alarm indicator **67**. The controller **40** may further monitor signals relating to activation of the vehicle alarm indicator **67** and send an alarm indication alert with position information from the vehicle position determining device and using the wireless communication device.

For the dual polarity output compatibility, the controller **40** may generate a first polarity output pulse followed by a second polarity output pulse. The controller **40** may also generate a repeating pattern of a first polarity output pulse followed by a second polarity output pulse on the dual polarity compatible output. In yet other embodiments, the controller **40** may sense an actual polarity of the device and thereafter use the actual polarity for the dual polarity compatible output.

Where the vehicle device is a vehicle horn, the controller **40** may typically be configured to generate a negative polarity output on the dual polarity compatible output. Conversely, wherein the vehicle device is a vehicle alarm indicator siren, the controller **40** may be configured to generate a positive polarity output on the dual polarity compatible output.

Another aspect of the vehicle tracking system **20** relates to conserving memory space and/or reducing transmission time over the communications network. In accordance with this advantageous feature, the controller **40** may determine the vehicle position information including a vehicle location and an associated stationary period for each occurrence of the vehicle remaining stationary for greater than a predetermined period. In one embodiment, the controller **40** may cooperate with the wireless transmission device **44** to send the vehicle position information to the monitoring station based upon each occurrence of the vehicle remaining stationary for greater than the predetermined period. In this embodiment, the monitoring station **30** may associate a time with each occurrence of the vehicle remaining stationary for greater than the predetermined period. In other words, the monitoring station **30** may time stamp the received information.

In another embodiment, the controller **40** cooperates with the wireless transmission device **44** to send the vehicle position information to the monitoring station **30** for a plurality of occurrences of the vehicle remaining stationary for greater than the predetermined period. In this embodiment, the controller **40** may associate a time with each occurrence of the vehicle remaining stationary for greater than the predetermined period. In other words, the controller time stamps the position and stationary period information.

As an example, the predetermined time which determines whether the vehicle **21** is stationary and the position should be determined, may be less than about three minutes. This time may filter out vehicle stops in normal traffic, but which will keep track of stops where the driver likely leaves the vehicle **21**. Accordingly, only the important information necessary to track the vehicle need be stored and/or transmitted thereby reducing the system costs. If the vehicle **21** is stationary overnight, for example, unnecessary position information need not be determined, stored, and/or transmitted to the monitoring station **30**.

The controller **40** may comprise the memory **52** for storing the vehicle position information therein. In one configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined schedule. In another configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined event. In yet another configuration, the controller **40** downloads the vehicle position information from

the memory **52** to the monitoring station **30** based upon a predetermined percentage of memory usage.

Having now described certain general features and advantages of the vehicle tracking system **20**, this description now turns to additional specific details which are provided as examples. In particular, vehicle tracking system **20** preferably implements one or more of the following features:

a. Detects the vehicle being stolen and transmits a signal to the monitoring station to contact up to 3 people, for example, predetermined by the user, of theft of the vehicle and then starts tracking the vehicle. The contact may be by one or more of the following: an e-mail message, a pager alert, a cellular telephone call, or other telephone call.

b. Detects an optional vehicle security or alarm system activation and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them the vehicle's alarm is being activated.

c. Detects an optional vehicle alarm system's remote PANIC activation and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of the vehicle's PANIC being activated.

d. Detects a vehicle being programmed to operate from an unauthorized remote transmitter, key transponder, other transponder, or other device that has a unique coding, and the vehicle unit transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of this occurrence. The system can also make available information relating to a number of such coded devices, or a change therein, or when a change occurred. A message can be sent to the user or the information can be available to the user on the website. The vehicle would be equipped with a security system as disclosed in U.S. Pat. No. 5,654,688, for example, which determines an unauthorized transmitter and provides an alert feature. This patent is incorporated herein in its entirety by reference.

e. Detects the vehicle traveling over a predetermined speed, such as for a predetermined time, and transmits a signal to the monitoring station to send a message, such as an e-mail informing the user (and/or others) of this occurrence. Of course, the message could also be sent via a telephone call or page, should additional urgency be required. The vehicle's predetermined maximum speed limit and duration thereof can be selected by the user.

f. Detects a low battery voltage such as for a predetermined time and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of vehicle's low battery voltage. This is especially advantageous during winter so that the vehicle could be started, for example, to prevent a problem before it happens. The time setting is preferably selectable by the user.

g. Detects the vehicle not moving for a predetermined time and transmits a signal to the monitoring station to send, for example, a nightly e-mail informing the user of all the vehicle's location and stationary time occurrences. The stationary time length is also selectable. This may be advantageous to encourage patrolling personnel not to remain for a long time in a same location.

h. The vehicle unit preferably includes a back-up battery system making it more reliable.

The vehicle unit may be relatively inexpensive. In addition, the monitoring fee that includes sending up to 60 e-mails and making up to 6 phone calls per month, may also be relatively low. The relatively low monitoring fee is based, at least in part, on the current relatively low rates charged for use of the control channel of the cellular telephone network. It is also noted that access to the control channel provides coverage for almost the entire U.S., for example.

The user or subscriber also preferably has access to an Internet site that will display a map and silently contact the vehicle to acquire its current location, speed, direction of travel, and previous multiple locations with speeds, for example, the user's personal identification number (PIN) can be quickly activated by a telephone call. No additional installation may be required.

Certain annual pre-pay package arrangements may be available. For example, up to 10 access entries per month can be provided on a low monthly billing. Up to 30 access entries could be provided also for a relatively low monthly fee.

The present invention provides a number of other significant advantages including optional access from any phone or from any computer to access the monitoring station internet site. The user may control various vehicle functions remotely via the telephone or the internet site. The only charge may be for additional equipment and installation.

Additional features can also be included with the system and subscribed to by the user in accordance with the invention. For example, these include Hijack, Car Finding, Unlock Doors and Unauthorized Transmitter Alert Features. The equipment and installation is relatively inexpensive. For the hijack feature: from any phone or computer, the user may activate vehicle starter interrupt and sound the horn until the vehicle is retrieved (Command 4).

For the Car Finding feature: from any phone or computer, the user may activate the vehicle's horn, or siren and sound same for 30 seconds. This allows the user to find his vehicle in a crowded parking lot (Command 5).

For the Lock/Unlock vehicle doors feature: from any phone or computer a predetermined command (Command 7) activates unlocking of vehicle doors to retrieve keys, for example, that may have been accidentally locked inside the vehicle. Of course, the system can also be used to lock vehicle doors if this was forgotten (Command 6). The unauthorized transmitter alert feature is similarly selected as described above.

In addition, a remote vehicle start feature may also be provided, such as to start the vehicle's engine to heat or cool the vehicle prior to entry. The equipment and installation for remote starting may be relatively low. Some further details of a specific embodiment of the vehicle tracking unit **25** are provided below as relating to use of red and green LED indicators as may be coupled to the controller **40** and operated thereby. Also various representative wires, designated by color, are provided as an example embodiment.

The red LED verifies the GPS receiving signal. With a yellow wire having positive 12 volts, the red LED blinking indicates searching GPS location, constant indicates found location, and off indicates no GPS signal found. With the yellow wire not having positive 12 volts, if the red LED is off, the LED is not functioning.

The green LED verifies receiving the cell tower signal. With the yellow wire having positive 12 volts, blinking indicates the cell control channel signal is detectal, constant indicates sending a micro burst signal (LED stays on 5 seconds after each transmission), and off indicates no cell tower signal received. With the yellow wire not having positive 12 volts, off indicates the green LED is not functioning.

An example of representative DIP switch feature selection is as follows. A first switch may be used for adding the orange wire for controlling arm/disarming of the system. When on, the orange wire controls arm/disarm as follows: to arm, the orange wire is grounded and the yellow wire does not have 12

volts positive. To disarm, the orange wire is not grounded. When the first switch is off, then only the yellow wire controls arm/disarm as follows: to arm, the yellow wire is without 12 volts positive, and 30 seconds after continued arm mode then the orange wire activates a constant 500 ma grounded output to operate an external starter interrupt relay until the system is disarmed. To disarm, the yellow wire is connected to 12 volts positive.

A main 5-pin plug may be provided on the vehicle unit and connected as follows:

a. The Red Wire is connected to the 12 vdc power. An alert warning "E" is given if the system is armed and the battery voltage becomes lower than 11 volts for longer than ## minutes. This alert feature "E" will not operate again until the voltage is above 12 volts to re-set this feature.

b. The black wire is connected to ground.

c. The yellow wire is connected to the ignition 12 volts so that if the key is on, 12 volts is supplied thereto and if the key is off, the yellow wire is connected to ground. Further: if the system is in an armed mode and the Lat/Long changes, then Alert "A" is given. If the system is disarmed and within 2.5 seconds after the yellow wire receives 12 volts and the gray wire detects 3 or more positive pulses the system activates Alert "D". If the first DIP switch is in the off position then: if 12 volts is on yellow wire, the system is disarmed and the orange wire discontinues from the 500 ma ground, and if the yellow wire sees ground or neutral, then the system is armed and 30 seconds after the continued arm mode the orange wire activates a constant 500 ma grounded output to operate an external starter interrupt relay until the system is disarmed.

d. The gray wire is for input and output, and can be connected to an alarm siren or horn positive terminal. In addition:

i. With the system armed and if the gray wire detects +12 v pulsing on/off or on constant for more than 10 seconds from an alarm siren or horn honking activation, then alert warning "B" alarm activation is given.

ii. With system disarmed and if the gray wire detects +12 v pulsing on/off or on constant for more than 10 seconds from an alarm siren or horn honking activation, then alert warning "C" panic activation is given.

iii. With system disarmed and if the Gray wire detects 3 or more 12 volt positive-pulses within 2.5 seconds of yellow wire receiving +12 v and the gray wire by-pass not being activated, then alert warning "D" is given.

iv. The gray wire bypass operates as follows:

1. After alert warning "B" bypass all future alert "B" signals until system is disarmed.

2. After alert warning "C" bypass all future alert "C" signals until system is armed.

3. After alert warning "D" bypass all future alert "D" signals until no 12 volt pulses are detected on the gray wire within 3 seconds of the yellow wire having 12 volts.

v. With the system armed or disarmed. The Output: Internal +12 v, 1 amp transistor with pulses 1 second on and 1 seconds off to activate siren or honk car horn or flashing light relay.

1. Non-stop activation from (Command "4")

2. 30-second activation from (Command "5")

vi. Turn off the above alert "A" from (Command "1").

e. The orange wire is for the starter interrupt and arm/disarm system, and operates as follows:

i. If first DIP switch is in the:

1. On position and: the orange wire has 12 volts or neutral, the system switches to the disarmed mode; the orange wire is grounded, then the system is switched to the armed mode; and the starter interrupt output will not automatically operate. It can only be activated from "Command 4"

2. Off position and the orange wire does not effect the arming or disarming of the system; 30 seconds after system arms the orange wire will automatically activate constant 500 ma ground until the system is disarmed. And from "command #4". Connect to Starter interrupt relay output.

ii. Command 4 activates Orange wire to have 500 ma. negative until Command 1 is received.

iii. After alert warning "B" is activated the first time it is thereafter bypassed while the orange wire remains grounded. Alert warning "B" is re-set to operate again 3 seconds after orange-wire becomes ungrounded.

The vehicle unit may also include a Door Lock Plug configured as follows, for example. A green wire provides a 250 ma, negative 1 second pulse for Lock Doors. (Command "6"). A red wire provides a constant 12 v output from the red power wire. A blue wire provides a 250 ma., negative 1 second pulse for Unlock Doors (Command "7"). A pink wire provides a 250 ma., negative 1 second pulse for remote Car Starter (Command "2").

An installation test button may also be provided to work as follows. Pressing the button activates the orange wire for 10-seconds (starter interrupt), with these circuits in sequence. First, it activates the gray wire for 1-second (siren/horn). After the first stops, it activates the green wire for 1 second to lock the doors. After the second stops, it activates the blue wire for 1 second to unlock the doors. After the third stops, it activates the pink wire for 1 second to activate an optional item.

Representative warning alerts are as follows:

a. Alert Warning "A" (FIG. **4**): Automatic activation of "Command 8" and the vehicle unit contacts monitoring station to instantly call 3 phone numbers with the message "Your vehicle is stolen please confirm then call 911 to advise police of website and your pin # so police can locate the vehicle". This is detected with the system armed and the GPS indicating movement. Bypasses all future alert warning "A" signals until the system is re-armed.

b. Alert Warning "B" (FIGS. **5**A-**5**C): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the following message "Vehicle alarm activated please confirm". This is with the system armed and detecting gray wire having 12 volts pulsing or on constant for longer than 10-seconds. After alert warning "B" is activated the first time, it is thereafter bypassed while the orange wire remains grounded. Alert warning "B" is re-set to operate again 3 seconds after orange wire becomes ungrounded.

c. Alert Warning "C" (FIG. **6**): the vehicle unit contacts the monitoring station to instantly send e-mail message "vehicle was traveling faster than your preset amount of "###" and time limit of "##" seconds. Indicates the vehicle speed and location that the speeding started and how long speeding accrued" (Detected from GPS). This aspect is further understood with reference to the enclosed flowchart **84** of FIG. **6**.

d. Alert Warning "D" (FIG. **7**): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the message "Unauthorized remote transmitter was

just programmed to operate your vehicle." This is with the system disarmed and the Gray wire detecting three or more 12 volt pulses within 2.5 seconds of the yellow wire having seen 12 volts positive. All future alerts "D" are bypassed until no 12 volt pulses are detected on the gray wire within 3 seconds of the yellow wire seeing 12 volts. This aspect is further understood with reference to the enclosed flowchart **85** of FIG. **7**.

e. Alert Warning "E" (FIG. **8**): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the message "Vehicle has low battery voltage and system has changed to low voltage mode". This is with the system armed and detecting the red wire with lower than 11 volts for ## minutes. All future alerts "E" are bypassed until, first, more than 13.5 volts are detected on the red wire and, second, after the yellow wire stops having positive voltage the red wire then must detect more than 12 volts.

The following are representative commands for use in the system:

Command 1: Reset all circuits and system remains asleep until the ignition key is turned on. Resets the triggered mode and unit is asleep to prevent power drain on vehicle battery.

Command 2: (Accessory activation) monitoring station Command to the system to activate Pink wire to pulse 250 ma negative for 1 second.

Command 3: (Vehicle Location) website to indicate present location and past events in memory.

Command 4: (Hijack or Stolen) monitoring station Command to vehicle system to activate:

i. Gray wire to pulse 1 sec on/1 sec off with 1 amp positive output and which continues until receive command # 1.

ii. Orange wire to have 500 ma ground and which continues until receive command # 1.

Command 5: (Car Find) monitoring station Command to system activating Gray wire for 30 seconds pulsing 1 sec on/1 sec off with 1 amp positive output.

Command 6: (Lock Doors) monitoring station Command to system activating Green wire to pulse 1 second with 250 ma negative.

Command 7: (Unlock Doors) monitoring station Command to system to activate Blue wire to pulse 1 second with 250 ma negative.

Command 8: (Start Constant Vehicle Tracking) sends previous 2 events in memory and then every 120 seconds get update of location information sent to the Web site.

The system is also operable in a battery saver mode which operates as follows:

a. With the ignition key off, if the battery voltage drops below 11.5 volts for more than 5 seconds, the GPS verification wakes up to look:

i. Once instantly.

ii. Once in 1 hour if at the same location.

iii. Once in 6 hours if at the same location.

iv. Once in 12 hours if at the same location.

v. Once every 24 hours if at the same location.

vi. Activate alert "E" when the battery saver mode is activated, and bypass sending all future Alert "E" until the battery voltage goes above 13 volts for 10 minutes to reset this feature.

Another aspect of the invention relates to automatic vehicle alert e-mails sent containing some or all of the previous system events. This sending can be triggered as follows:

a. At a user selected predetermined time ## (01-24) of each day, or

b. At a predetermined memory fill level, such as full or near full.

In addition, each system event may contain one or more of the following:

a. Vehicle Location

b. Vehicle total time at location

c. Time of day

d. Mph traveling

e. Total time traveling above MPH

f. Direction traveling

g. Delta

h. Special Alert messages, if any, including:

i. GPS signal not received for longer than 5 minutes.

ii) Traveling above ###MPH for ## minutes.

iii) Vehicle is stolen.

iv) Alarm activated.

v) Unauthorized remote transmitter alert.

vi) Battery saver mode activated

vii) Command 1: Reset all circuits and system remains asleep until the ignition key is turned on.

viii) Command 2: (Accessory activation)

ix) Command 3: (Vehicle Location was retrieved)

x) Command 4: (Hijack or Stolen mode activated)

xi) Command 5: (Car Find mode activated)

xii) Command 6: (Locked Doors)

xiii) Command 7: (Unlocked Doors)

xiv) Command 8: (Started 2-second incremental Vehicle Tracking)

Another feature of the invention relates to the selectable threshold conditions causing an event to be recorded into the memory of the vehicle unit. For example, this may include: while the yellow wire has 12 volts, record events every "??" default 15 minutes time if the GPS location has changed. If the GPS location is the same then only update stationary total time. If the GPS antenna is not receiving any signal then enter last known GPS location and with an indication that this was the last known GPS location before the GPS signal stopped, how long no GPS signal was received, and the GPS location in the on-hold file, when the vehicle is traveling above ### MPH for ##-minutes.

The monitoring station may also provide a number of automated phone calls as described above. These may include:

The user's vehicle has issued a stolen alert:

If vehicle is stolen, after receiving the phone message the user then calls 911 to advise police of the theft, and gives the police the website address and an identification number, such as the user's PIN, to allow the police to locate where your vehicle has been, where it is now and keep tracking it until the police can retrieve the vehicle.

If this is a false alert due to vehicle being towed away for service, for example, then the user may press "1" to put the vehicle in an off mode. Once the ignition key is turned on again the system will reset back to its normal operation mode.

The user's vehicle has issued an alarm activated for more than 10 seconds alert. The system will not respond to this alert again until ignition key is turned on again to reset this feature.

The vehicle battery voltage is low or has been disconnected. The tracking system is in low voltage mode. The system will not respond to this alert again until the battery voltage goes above 13 volts for 10 minutes to reset this feature.

The backup battery may be sized according to the GPS receiver and processing power draw. In addition, the battery may also be sized based upon estimated micro burst transmitting power draw. Such transmissions are typically at about 3 watts power to the antenna.

The system according to the invention including the vehicle unit and monitoring station provides a number of significant advantages and features. For example, the police

may be directly contacted by the user when the vehicle is stolen. The user receives the telephone message from the monitoring station, and this is done without requiring the intervention of a manual security monitoring operator, such as an ADT operator, for example. In addition, once in the stolen mode, the vehicle unit will periodically continue to send out its location, so that the police may track the vehicle via the WEB, for example. This location sending feature may begin immediately, that is, without requiring the user to contact the vehicle to begin tracking. Having the vehicle contacting the monitoring station is considerably less expensive than other schemes where the vehicle is periodically polled via the cellular network, for example.

The system may also be interfaced to a breath alcohol sensor at the vehicle, for example, and this information recorded in memory. The information could be passed along to the monitoring station, which, in turn, could send out a notification message (e-mail or telephone) that the vehicle is being operated by a driver who may be impaired by alcohol. The vehicle's location could then be tracked to permit the police to detain the driver.

Another aspect of the unit is that it may be able to recognize the desirability to bypass certain security breach triggers or other events. For example, a car finding feature can be provided that will allow the user to sound the horn or siren when near the vehicle to help locate the vehicle, as in a crowded parking area. Without the bypass feature, the unit could recognize the horn or siren as a security breach and transmit such information to the monitoring center. In accordance with this aspect of the invention, the unit would recognize the car finding feature was activated and thereby bypass sending a security breach transmission, for example. Again, false alarms and unneeded usage and expense of the communications

infrastructure would be avoided.

Yet another aspect of the invention relates to thwarting a would-be thief who attempts to disable the alarm by cutting the battery cable or power supplied to the system. The unit preferably includes a back-up battery. More particularly, upon being in an armed mode and sensing a breach of security, such as the hood opening, for example, the unit will send out a signal indicating the alarm or security breach and while the alarm is indicated, if the battery is disconnected then the unit will send out a message indicating the vehicle is stolen, and also providing the vehicle's current position. Accordingly, the would-be thief is not able to defeat the security system by quickly disrupting power to the unit during an alarm indication or security breach. Also, to prevent additional alerts, this message is prevented from being transmitted again until the user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts, indicating the vehicle has started using the owner's ignition key. This aspect is further understood with reference to the enclosed flowchart **80** (FIG. **4**).

Still another aspect of the invention relates to how the unit can discriminate between ordinary usage or honking of the horn as compared to a security system triggered alarm. Most vehicle security systems will provide a pattern of horn soundings as an alarm indication, and this can be determined and used to reduce false alarm transmissions from the unit. For example, the unit can look at the number of leading and trailing edges of the power pulse used to sound the horn. A single pressing of the horn switch by the user will cause two edges within a predetermined time, such as about 10 to 12 seconds. Accordingly, the unit can be configured to not send a security breach transmission to the control center based upon detecting two transitions. Since a number of vehicle security systems may have a continuous sounding of the horn within the predetermined time, the unit can send the transmission upon detecting only a single transition.

A number of other vehicle security systems provide a series of pulses or horn soundings within the predetermined time. Accordingly, the unit may also be configured to send a security breach transmission upon detecting greater than a predetermined number of transitions, such as greater than nine, for example. This number is also typically higher than a user would generate honking the horn several times within the predetermined time. In other terms, the number of transitions of the horn pulses can be counted, and if equal to one, or greater than nine, for example, the transmission is triggered, and otherwise the sounding of the horn is ignored. Also, to prevent additional alerts, this message is prevented from being transmitted again until the user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts, indicating the vehicle has started using the owner's ignition key. This aspect is further understood with reference to the enclosed flowcharts **81-83** (FIGS. **5A-5C**).

Yet another feature of the invention relates to a low vehicle battery alert. For example, the unit may monitor the battery voltage over a predetermined time such as ten minutes. The ten minute window prevents false tripping, for example, when the voltage dips during engine cranking. In particular, the voltage can be sensed and it can be determined whether it is greater than zero (e.g. greater than six volts) and less than a high value (e.g. eleven or twelve volts), and, if so, a low battery voltage transmission can be communicated to the monitoring station, and ultimately to the vehicle user when away from the vehicle. If the vehicle is being serviced and the battery is disconnected, this will cause the battery voltage to be equal to zero. Then, the low battery voltage transmission will not be communicated to the monitoring station. Also, to prevent additional alerts, this message is prevented from being transmitted again until the user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts, indicating the vehicle has started using the owner's ignition key. Again, false triggerings are reduced. This aspect is further understood with reference to the enclosed flowchart **86** (FIG. **8**).

Yet another advantageous feature of some embodiments of the invention relates to the ability to conserve electrical power. More particularly, when the vehicle is stopped and in the armed mode, the GPS receiver may be periodically operated to determine the vehicle position. If the vehicle position changes, this is indicative that the vehicle is being moved or stolen. For example, the GPS receiver may be operated to generate new vehicle position information every 29 seconds. These relatively quick successive position determinations or readings are generally termed hot start. These are relatively less complicated than a cold start position determination which takes longer, since the cold start position determination requires greater time to acquire and receive data from multiple satellites, as will be appreciated by those skilled in the art.

Unfortunately, this relatively high repeated usage of the GPS receiver may cause unnecessary battery drain, especially when the vehicle is left armed and unattended by the user for an extended period. Accordingly, the power conserving feature of the invention permits the GPS receiver to be turned off when the vehicle is in the armed mode, and the GPS receiver is turned on only when needed. For example, a vehicle sensor, such as a shock sensor, motion sensor, ignition sensor, door sensor, or other sensor, or combinations thereof could be used to start the GPS receiver. This sensor could also be used to

trigger an alarm if desired; however it need not be so used in all embodiments. The GPS receiver, once turned on, could operate in the normal periodic fashion as described above, or for a fixed period of time. The GPS receiver could also be turned off again after some predetermined time if no further sensor signal is received, or if the position fails to change on subsequent position readings or determinations.

Yet another feature relates to permitting more colorful audible alert messages to be generated for the user. The user can, in some embodiments, access an internet site to type or enter the text for a message to be sent, such as to alert the user that his vehicle is being stolen. The audible message then communicated by a telephone call to the user is generated by a speech message synthesizer based upon the entered text. In accordance with this aspect of the invention, the user could type in phonetically spelled words or phrases, such as to create more colorful messages including slang terms, various accents, and/or to mimic various dialects, for example. The speech synthesizer would then generate the desired message customized for the user. Of course, the system could also permit the user to test or preview the pronunciation generated by the speech message synthesizer based on the entered text message prior to its adoption.

Another aspect relates to requesting GPS position information from a vehicle. If a command is sent downstream to the vehicle requesting that GPS information in turn be sent upstream from the vehicle, and the GPS information is not received within a predetermined time, such as about four minutes, then another command may be sent to the vehicle requesting the GPS information. This may keep repeating until GPS information is received, for a predetermined number of tries, or until a user instructs stopping of the requests. This helps to ensure and confirm the activation and reception of GPS tracking coordinates from the vehicle.

Yet another aspect relates to reducing a frequency with which GPS information is sent from the vehicle. More particularly, the unit may be configured to activate GPS information transmission upstream every 2 minutes. To reduce system usage expense and power consumption at the vehicle, this rate of transmission of GPS information could be progressively decreased over time. For example, in one embodiment, upon activation the GPS location signals could be sent every 2 minutes during the first hour, then once an hour for the next 23 hours, after which only one signal would be sent per day.

Turning now to the flowchart 87 of FIG. 9, still another aspect relates to warning the user of an inoperable or malfunctioning GPS or cellular telephone section. More particularly, if the GPS or cellular telephone antenna wire is cut or the mounting position of either is changed causing the antenna to stop receiving the signal the user would not ordinarily know of this problem quickly. In accordance with one embodiment, if the ignition is turned on a predetermined number of times, such as about three, and each time ignition turns on if no GPS or no cell signal is received for a minimum time, such as about 15 to 30 minutes or longer, an audible warning beeper may be activated in the vehicle. This beeper may be sounded once every 15-minutes. At anytime if the GPS or cell signal is received properly then the system re-sets automatically stopping the beeper sound.

As an example, if the ignition key is turned on and no GPS or no Cell signal is being received for 15-minutes, and the vehicle ignition stays on for 45-minutes and there is still no GPS or no cell signal, the unit counts one. Thereafter, if the ignition key is turned on and no GPS or no cell signal is being received for 15-minutes, and the vehicle ignition stays on for 60-minutes and there is still no GPS or no cell signal, a second count is determined. Thereafter, if the ignition is turned on and no GPS or no cell signal is received for 10-minutes, and the vehicle ignition stays on for only 10-minutes and there is still no GPS or no cell signal, no count is determined. Thereafter, if the ignition is turned on and no GPS or no cell signal is being received for 15-minutes, a third count is determined and the beeper is activated as described above. This beeping may continue every 15-minutes while the vehicle ignition stays on as long as the vehicle ignition stays on for 16-minutes and still no GPS or no Cell signal is being received. If thereafter, the ignition is turned on and no GPS or no cell signal is being received, the beeper beeps once and again beeps once every 15-minutes while vehicle ignition stays on. If in 10-minutes both GPS or cell signal is being received, the beeper system is turned off and the warning count is reset.

By way of example, if the ignition key is turned on and no GPS or no cell signal is being received for only 5, 10 or 12 minutes (with the threshold set at 15 minutes), then no count is determined.

In certain circumstances, the GPS signal may fail, but the cell signal may still be working. Accordingly, it may be desirable to send an indication of the failure of the GPS signal to the central monitoring station to thereby alert the user as described above. If the cell signal also failed, or if the cell signal failed by itself, in other embodiments a separate paging device would transmit the failure or loss of the cell signal information to the central monitoring station, to thereby alert the user.

Yet another feature is directed to efficient use of a relatively small number of codes available to communicate with the tracking unit from the cellular network and central station. More particularly, a typical arrangement may provide eight basic codes and two Awildcard@ codes. The two wildcard codes are reserved for future or other uses. A particular tracking device will respond directly to any of the eight basic codes. For example, the doors could be locked or unlocked, a present location downloaded from the vehicle, etc.

In accordance with this feature, the tracking device may respond differently to the same code or command depending upon the state or condition of the tracking device. For example, if an alarm is triggered at the vehicle, it may be desired that the tracking device continue to send the alarm signal until confirmation is received that the central monitoring station has received the alarm signal. This confirmation can be sent using the same code as may provide another function if the device were not indicating an alarm. Any of a number of such tracking device conditions may trigger a different message to be interpreted from the received code. For example, if any of the above Alerts A-E were triggered, the receipt of a predetermined code, such as code eight, would confirm receipt of the alert by the central station, and this receipt of code eight would not cause the other response (no alarm triggered) in the tracking device. Of course this concept can be extended to other features as will be appreciated by those skilled in the art.

In accordance with another feature, the rate of sending the location or position data (or change in position data) from the vehicle may be varied to reduce system usage and thereby reduce expenses. More particularly, in one embodiment, the rate of sending may be based upon how long the vehicle has remained stationary. This time period may be selected by the user. For example, the selected time may be in the range of 15 minutes to six hours. If the vehicle has been stationary for the selected time period, then the rate of transmission may be reduced. This reduces or eliminates the need to send home position data and send all the over 15-minute stops made that day. Otherwise, that is when the vehicle is moving, the device

may send data at a faster rate. Of course, a system user would not likely be interested in quick updates, especially where the position information is not changing. Conversely, if the vehicle is being moved, it may be desirable to receive more frequent position updates.

Another variation of this transmission rate conservation feature bases the rate of transmission on the vehicle position. For example, a reduced rate of transmission may be selected if the vehicle is in a predetermined area where the user has a lesser interest in quickly updated position information. The user may also have a reduced interest in an area that can be defined outside of a predetermined distance from a reference point.

Yet another variation of the vehicle position transmission rate conservation feature is based upon the vehicle's speed, such as the vehicle's average or maximum speed, for example. Accordingly, if the vehicle is traveling above a preset speed, the rate of transmission may be increased.

In accordance with another aspect of the invention, the tracking device may send the alert indication a predetermined number of times without receiving an acknowledgment as described above, and then wait until the vehicle position has changed before trying again or the cell re-registers or its RSS (received signal strength) changes. Thus, power is conserved. When the vehicle has moved to a new position, any obstructions may no longer be present thereby increasing the likelihood of a successful communication. In addition, the change in position may be determined when the vehicle is sensed to be moving about a predetermined relatively small speed, such as greater than 1 mph, for example.

In all of the embodiments and variations described herein, the tracking device may communicate with one or more other vehicle devices via a vehicle data communications bus. Further aspects of interfacing with a vehicle data communications bus are described in U.S. Pat. Nos. 5,719,551 and 6,011,460 assigned to the assignee of the present invention.

Yet another aspect relates to efficient use of available codes on the cellular telephone control channel. In one particular example, ten codes may be available to be transmitted from the monitoring station to the vehicle trackers. The first eight or nine codes are command codes that will cause a specific action by the tracking device at the vehicle. The other one or two codes may be wildcard codes as mentioned above, that may set a stand-by mode for one or a group of vehicles, for example.

It may be desirable to provide more than eight commands at the vehicle responsive to the corresponding eight available codes. For example, it may be desirable to set a feature on or off, or to set a different feature setting or threshold. In accordance with this aspect of the invention, the commands at the tracker are determined based upon a series of different command codes being received within a predetermined time window.

For example, the monitoring station may send code 9 that switches the tracker in the car into a stand-by mode for a predetermined time and which causes the tracker to respond with an upstream confirmation code 7 or 9 indicating receiving code 9. During the predetermined time of the stand-by mode another code follows that causes a system programmable feature or setting to change. Note that the second code would otherwise cause a different function at the vehicle. Note that system might operate a function 9 if another code 1-9 is not received in the predetermined time. The following list is exemplary for features resulting from second codes 1-9:

Code 1—Tracker will turn off feature of upstream code caused by vehicle alert being detected.

Code 2—Tracker will turn on feature of upstream code caused by vehicle alert being detected.

Code 3—Tracker deactivates cell receiver from operating due to a non-paying customer for monitoring service. That phone number can then be allocated to another customer.

Code 4—Turn on audio buzzer feature that will sound once each 10 minutes. The monitoring station need only send the command to activate the feature, as the tracker will time the period and drive the buzzer thereafter. The monitoring station will normally not need to send this command because the tracker will be configured out of the box with this feature activated to sound the buzzer every 10 minutes until the next command is received.

Code 5—Turn off the audio buzzer. This is to be sent by the monitoring station after a user has successfully activated his account.

Code 6—Turn on the 80 mph speed limit reporting. This will normally not be sent as this feature will be the default setting of the tracker.

Code 7—Turn off the 80 mph speed limit reporting.

Code 8—Increase speed limit 5 mph and increase the time 5 minutes.

Code 9—Decrease speed limit 5 mph and decrease the time 5 minutes, and wait 5 minutes if another code number follows. It could operate this way to allow another set of codes to change more features.

In this example, in response to the tracker receiving the system code 1-9, the tracker sends an upstream code 7 to acknowledge receipt of the system code 1-9. Upon receipt of code 9 the tracker waits up to 5 minutes to determine if another system code is received. If no code is received, then the tracker performs the code 9 operation. Of course, in other embodiments other features or settings can be selected. In general, it may be preferred that the first code sent in a series of two codes, for example, be a code that causes only a minor function to be performed at the vehicle. This is so because if the second code is sent from the monitoring station, but not received at the tracker, only a minor function is performed. For example, the first code may switch between armed and disarmed modes. This is in contrast to using a remote engine starting code or engine shutdown code as the first code. The vehicle may be moving or positioned in a marginal reception area, and the second command may not be received by the tracker within the predetermined time window. As will be appreciated by those skilled in the art, this concept of multiple digit codes, can be extended beyond two digits to three or more.

To further conserve cellular transmissions and as described above, the tracker may be set to record a position based upon a determined event. Only this recorded position information may be downloaded either by user request or at set times. It is desired that such events be relatively few, but that the information still be helpful to the user.

For example, an event for recording of position may be determined based upon the vehicle being stopped for greater than a first time and less than a second time. For example, the first time may be 15 minutes and the second time may be 6 hours. Determination of the vehicle being stopped can be made based upon one or both of the GPS position or the vehicle ignition being turned off. The second time prevents the recording of position information when the vehicle is stopped at the owner's home during the evening, for example. Accordingly, the important information of the vehicle stops being made is recorded and made available to the user, while system communications resources are conserved.

In another example, if the mode is selected to send the vehicle's location every 10 min and the vehicle is in the same

location for greater than a set time, then no more vehicle locations are sent until the vehicle location has changed to start the every 10 min reporting again.

Other features relating to vehicle control systems are disclosed in copending patent applications entitled VEHICLE TRACKER INCLUDING STATIONARY TIME DETERMINATION AND ASSOCIATED METHODS, Ser. No. 09/859,727 filed May 17, 2001, now U.S. Pat. No. 6,512,465; VEHICLE TRACKER CONSERVING CODES AND RELATED METHODS, Ser. No. 09/859,673 filed May 17, 2001, now U.S. Pat. No. 6,522,267; VEHICLE TRACKER WITH POWER SAVING FEATURES AND RELATED METHODS, Ser. No. 09/859,728 filed May 17, 2001, now U.S. Pat. No. 6,512,466; VEHICLE TRACKER COOPERATING WITH A STARTER INTERRUPT AND RELATED METHODS, Ser. No. 09/859,973 filed May 17, 2001; VEHICLE TRACKER WITH USER NOTIFICATIONS AND ASSOCIATED METHODS, Ser. No. 09/859,733 filed May 17, 2001, now U.S. Pat. No. 6,509,868; VEHICLE TRACKER WITH USER REGISTRATION REMINDER AND RELATED METHODS, Ser. No. 09/859,971 filed May 17, 2001, now U.S. Pat. No. 6,507,786; VEHICLE TRACKER INCLUDING INPUT/OUTPUT FEATURES AND RELATED METHODS, Ser. No. 09/859,972 filed May 17, 2001, now U.S. Pat. No. 6,606,561; and VEHICLE TRACKER WITH TEST FEATURES AND RELATED METHODS, Ser. No. 09/859,729 filed May 17, 2001, now U.S. Pat. No. 6,809,659, the entire disclosures of which are incorporated herein by reference.

Many modifications and other embodiments of the invention will come to the mind of one skilled in the art having the benefit of the teachings presented in the foregoing descriptions and the associated drawings. Accordingly, it is understood that the invention is not to be limited to the embodiments disclosed, and that other modifications and embodiments are intended to be included within the spirit and scope of the appended claims.

That which is claimed is:

1. A vehicle control system comprising:

a tracking unit and a function unit cooperating therewith, said tracking unit comprising a vehicle position determining device, a wireless communications device, and a tracking controller configured to cooperate with said vehicle position determining device and said wireless communications device to send vehicle position information to a user;

said function unit comprising at least one uniquely coded transmitter to be carried by a user, a receiver at the vehicle for receiving signals from said at least one uniquely coded transmitter, and a function controller at the vehicle and connected to said receiver for learning the at least one uniquely coded transmitter to permit control of a vehicle function by the user;

said function controller configured to cooperate with said wireless communications device of said tracking unit to send an alert indication of whether at least one new uniquely coded transmitter has been learned.

2. The vehicle control system according to claim 1 further comprising a local indicator connected to said function controller for providing a local indication of whether at least one uniquely coded transmitter has been learned.

3. The vehicle control system according to claim 1 wherein the vehicle function is associated with at least one of starting of a vehicle engine, vehicle door locks, and vehicle security.

4. The vehicle control system according to claim 1 wherein said function controller is configured to switch to a learning mode to permit learning of the at least one uniquely coded transmitter, and wherein said function controller is configured to cooperate with said wireless communications device for sending the alert indication when the learning mode has been entered.

5. The vehicle control system according to claim 1 wherein said function controller is configured to cooperate with said wireless communications device for sending the alert indication for a passage of time since the learning mode has last been entered.

6. The vehicle control system according to claim 1 wherein said function controller is configured to cooperate with said wireless communications device for sending the alert indication for a number of learned uniquely coded transmitters.

7. The vehicle control system according to claim 1 wherein said function controller is configured to cooperate with said wireless communications device for sending the alert indication for a change in a number of learned uniquely coded transmitters.

8. The vehicle control system according to claim 1 wherein said function controller is configured to cooperate with said wireless communications device for sending the alert indication for a change in a code of at least one learned uniquely coded transmitter.

9. The vehicle control system according to claim 1 wherein said at least one uniquely coded transmitter comprises at least one of a uniquely coded remote transmitter, and a uniquely coded transponder transmitter.

10. The vehicle control system according to claim 1 wherein said vehicle position determining device comprises a Global Positioning System (GPS) device; and wherein said wireless communications device comprises a cellular telephone communications device.

11. A vehicle control system comprising:

a tracking unit and a function unit cooperating therewith, said tracking unit comprising a vehicle position determining device, a wireless communications device, and a tracking controller configured to cooperate with said vehicle position determining device and said wireless communications device to send vehicle position information to a user;

said function unit comprising a biometric characteristic sensor for sensing a unique biometric characteristic of a user, and a function controller at the vehicle and connected to said biometric characteristic sensor for learning the unique biometric characteristic to permit control of a vehicle function by the user;

said function controller configured to cooperate with said wireless communications device of said tracking unit to send an alert indication of whether at least one new unique biometric characteristic has been learned.

12. The vehicle control system according to claim 11 further comprising a local indicator connected to said function controller for providing a local indication of whether the unique biometric characteristic has been learned.

13. The vehicle control system according to claim 11 wherein the vehicle function is associated with at least one of starting of a vehicle engine, vehicle door locks, and vehicle security.

14. The vehicle control system according to claim 11 wherein said function controller is configured to switch to a learning mode to permit learning of the unique biometric characteristic; and wherein said function controller is configured to cooperate with said wireless communications device for sending the alert indication when the learning mode has been entered.

15. The vehicle control system according to claim 11 wherein said function controller is configured to cooperate

with said wireless communications device for sending the alert indication for a passage of time since the learning mode has last been entered.

16. The vehicle control system according to claim **11** wherein said function controller is configured to cooperate with said wireless communications device for sending the alert indication for a change in a number of learned unique biometric characteristics.

17. The vehicle control system according to claim **11** wherein said vehicle position determining device comprises a Global Positioning System (GPS) device; and

wherein said wireless communications device comprises a cellular telephone communications device.

18. A vehicle control method for a vehicle comprising a vehicle tracking unit for sending vehicle position information to a user, the method comprising:

receiving signals from at least one uniquely coded transmitter at a receiver at the vehicle;

learning the at least one uniquely coded transmitter to permit control of a vehicle function by the user using a function controller at the vehicle and connected to the receiver; and

sending an alert indication of whether at least one new uniquely coded transmitter has been learned using the vehicle tracking unit.

19. The method according to claim **18** further comprising providing a local indication at the vehicle of whether at least one uniquely coded transmitter has been learned.

20. The method according to claim **18** wherein the vehicle function is associated with at least one of starting of a vehicle engine, vehicle door locks, and vehicle security.

21. The method according to claim **18** wherein the function controller is configured to switch to a learning mode to permit learning of the at least one uniquely coded transmitter; and wherein sending comprises sending the alert indication when the learning mode has been entered.

22. The method according to claim **18** wherein sending comprises sending the alert indication for a number of learned uniquely coded transmitters.

23. The method according to claim **18** wherein sending comprises sending the alert indication for a change in a number of learned uniquely coded transmitters.

24. The method according to claim **18** wherein sending comprises sending the alert indication for a change in a code of at least one learned uniquely coded transmitter.

25. A vehicle control method for a vehicle comprising a vehicle tracking unit for sending vehicle position information to a user, the method comprising:

sensing a unique biometric characteristic of a user using a biometric characteristic sensor at the vehicle;

learning the unique biometric characteristic to permit control of a vehicle function by the user using a function controller at the vehicle and connected to the biometric characteristic sensor; and

sending an alert indication of whether at least one new unique biometric characteristic has been learned using the vehicle tracking unit.

26. The method according to claim **25** further comprising providing a local indication of whether the unique biometric characteristic has been learned.

27. The method according to claim **25** wherein the vehicle function is associated with at least one of starting of a vehicle engine, vehicle door locks, and vehicle security.

28. The method according to claim **25** wherein the function controller is configured to switch to a learning mode to permit learning of the unique biometric characteristic; and wherein sending comprises sending the alert indication when the learning mode has been entered.

29. The method according to claim **25** wherein sending comprises sending the alert indication for a change in a number of learned unique biometric characteristics.

* * * * *

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,720,597 B2
APPLICATION NO. : 11/076259
DATED : May 18, 2010
INVENTOR(S) : Flick et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, Line 13	Delete: "flied" Insert: --filed--
Column 4, Line 35	Delete: "."
Column 8, Line 22	Delete: "off" Insert: --of--
Column 19, Line 54	Delete: "time ignition" Insert: --time the ignition--

Signed and Sealed this

Seventeenth Day of August, 2010

David J. Kappos

David J. Kappos
Director of the United States Patent and Trademark Office

US008032278B2

(12) **United States Patent**
Flick

(10) **Patent No.: US 8,032,278 B2**
(45) **Date of Patent: Oct. 4, 2011**

(54) **VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS**

(75) Inventor: **Kenneth E. Flick**, Douglasville, GA (US)

(73) Assignee: **Omega Patents, L.L.C.**, Douglasville, GA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 840 days.

(21) Appl. No.: **11/773,272**

(22) Filed: **Jul. 3, 2007**

(65) **Prior Publication Data**

US 2007/0279283 A1 Dec. 6, 2007

Related U.S. Application Data

(63) Continuation-in-part of application No. 11/076,259, filed on Mar. 9, 2005, now Pat. No. 7,720,597, which is a continuation of application No. 10/383,496, filed on Mar. 7, 2003, now Pat. No. 7,149,623, which is a continuation of application No. 09/859,972, filed on May 17, 2001, now Pat. No. 6,606,561.

(60) Provisional application No. 60/264,811, filed on Jan. 29, 2001, provisional application No. 60/258,005, filed on Dec. 22, 2000, provisional application No. 60/251,552, filed on Dec. 6, 2000, provisional application No. 60/252,125, filed on Nov. 20, 2000, provisional application No. 60/236,890, filed on Sep. 29, 2000, provisional application No. 60/246,463, filed on Nov. 7, 2000, provisional application No. 60/222,777, filed on Aug. 3, 2000, provisional application No. 60/205,178, filed on May 17, 2000.

(51) **Int. Cl.**
G01C 21/00 (2006.01)

(52) **U.S. Cl.** **701/36**; 701/33; 382/104; 382/988; 455/575.9

(58) **Field of Classification Search** 701/36, 701/207–209; 340/500, 506, 515, 531, 533–534
See application file for complete search history.

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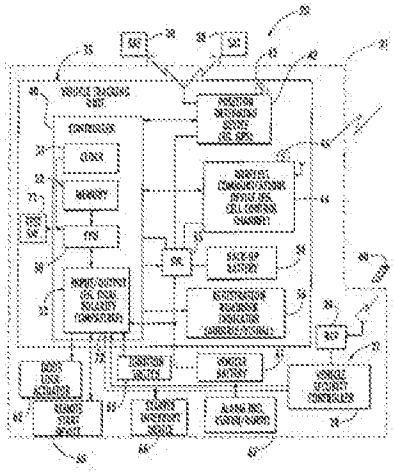
Primary Examiner — Cuong H Nguyen
(74) *Attorney, Agent, or Firm* — Allen, Dyer, Doppelt, Milbrath & Gilchrist, P.A.

(57) **ABSTRACT**

A multi-vehicle compatible tracking unit is for a vehicle including a vehicle data bus extending throughout the vehicle. The vehicle tracking unit may include a vehicle position determining device, a wireless communications device, and a multi-vehicle compatible controller for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The multi-vehicle compatible controller may be coupled to the vehicle data bus for communication therewith with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles. A downloading interface may be included for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller.

22 Claims, 13 Drawing Sheets



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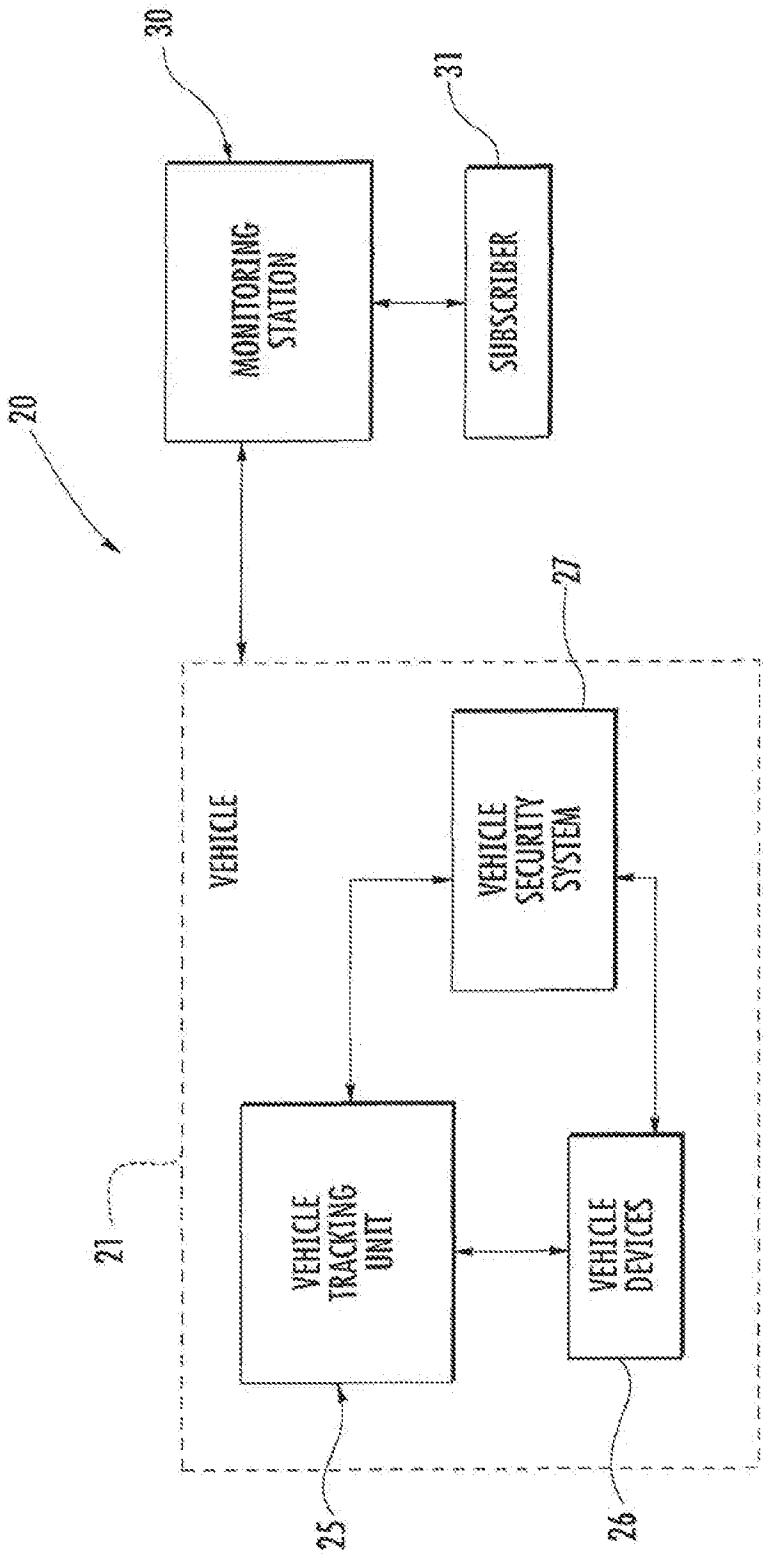
20
30
MONITORING STATION
31
SUBSCRIBER
21
VEHICLE
27
VEHICLE SECURITY SYSTEM
VEHICLE TRACKING UNIT
VEHICLE DEVICES
25
26

FIG. 1

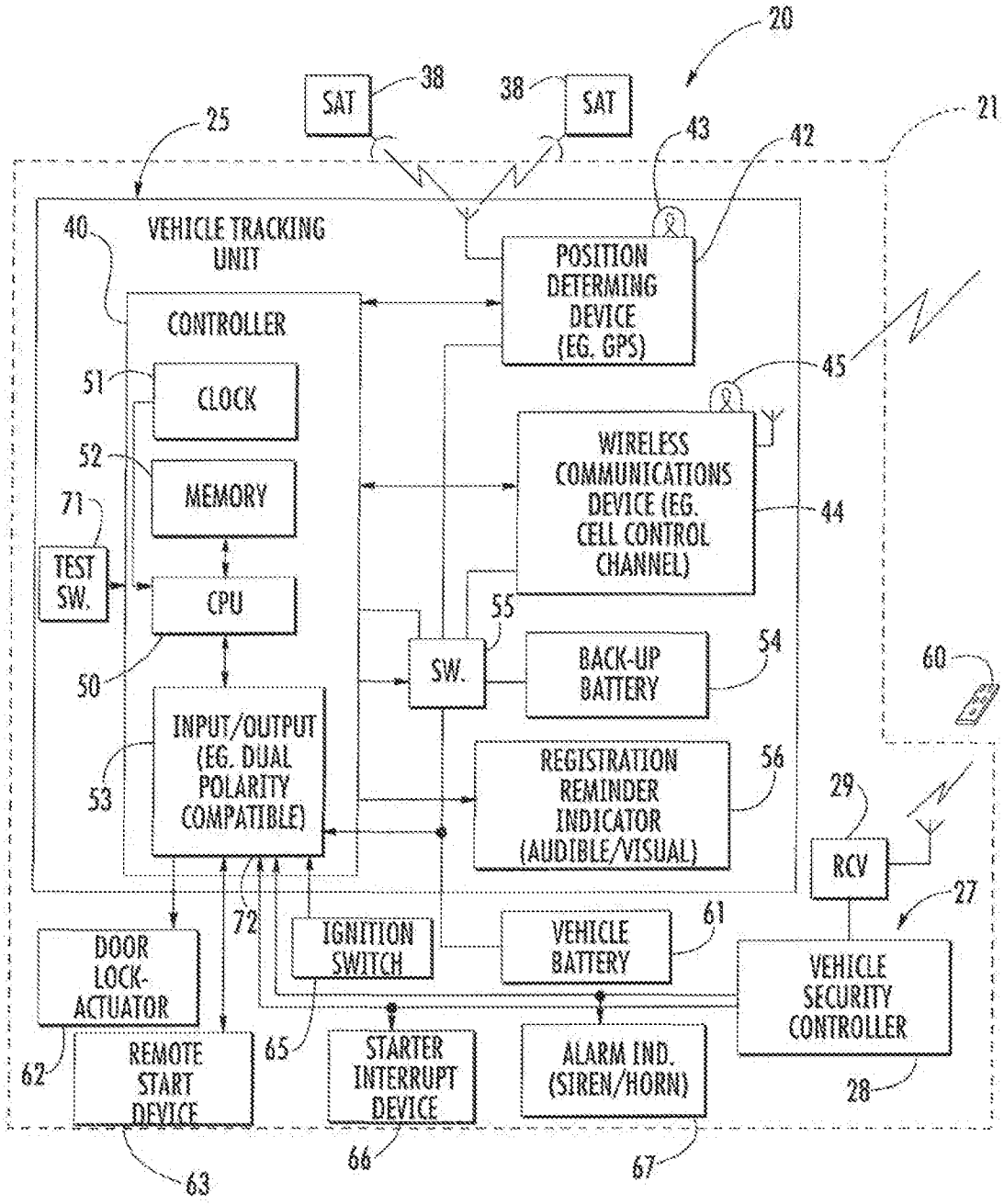
20
SAT
38
38
SAT
21
25
43
42
40
VEHICLE TRACKING UNIT
POSITION DETERMING DEVICE (EG. GPS)
CONTROLLER
45
51
CLOCK
52
MEMORY
WIRELESS COMMUNICATIONS DEVICE (EG. CELL CONTROL CHANNEL)
44
71
TEST SW.
CPU
55
50
SW.
BACK-UP BATTERY
54
60
INPUT/OUTPUT (EG. DUAL POLARITY COMPATIBLE)
53
REGISTRATION REMINDER INDICATOR (AUDIBLE/VISUAL)
56
29
RCV
27
72
IGNITION SWITCH
VEHICLE BATTERY
61
DOOR LOCK-ACTUATOR
VEHICLE SECURITY CONTROLLER
65
62
REMOTE START DEVICE
STARTER INTERRUPT DEVICE
ALARM IND. (SIREN/HORN)
28
63
66
67

FIG. 2

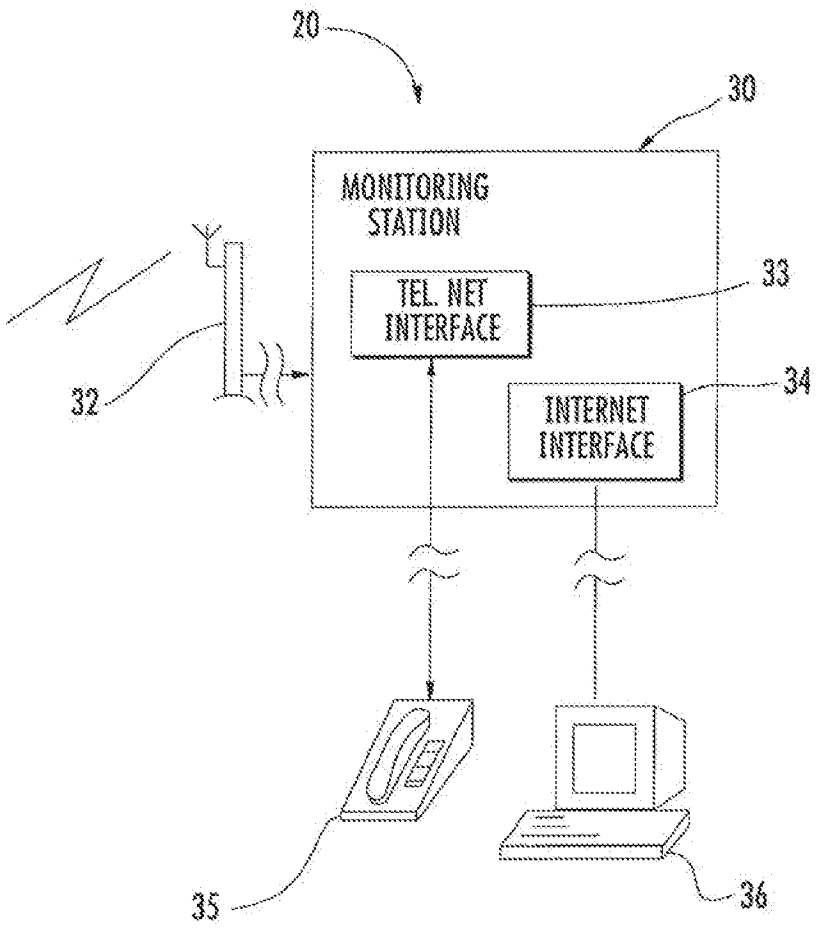
20
30
MONITORING STATION
TEL. NET INTERFACE
33
32
INTERNET INTERFACE
34
35
36

FIG. 3

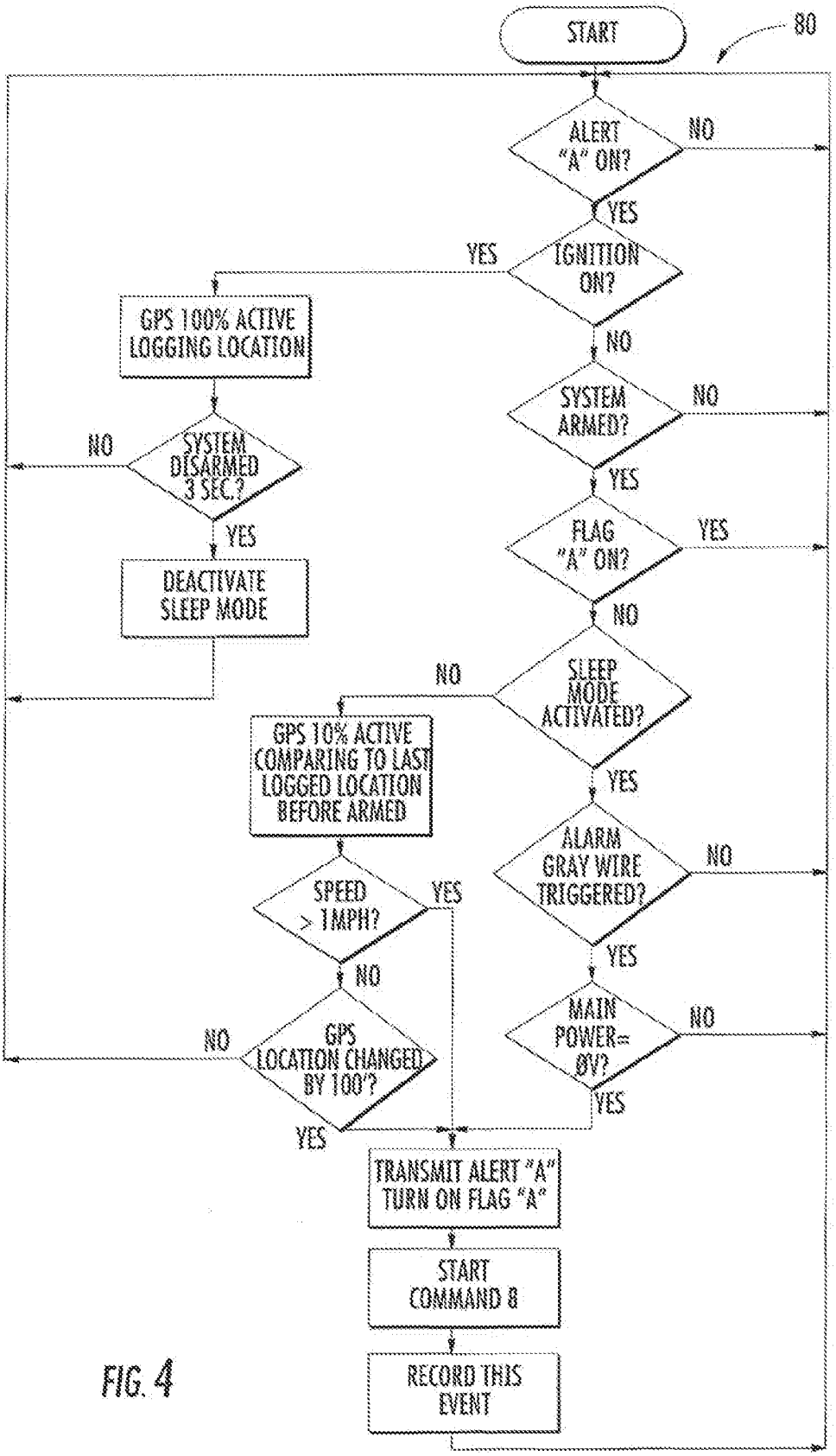
START
80
ALERT "A" ON?
NO
YES
IGNITION ON?
YES
GPS 100% ACTIVE LOGGING LOCATION
NO
SYSTEM ARMED?
NO
YES
SYSTEM DISARMED 3 SEC.?
NO
YES
DEACTIVATE SLEEP MODE
FLAG "A" ON?
YES
NO
SLEEP MODE ACTIVATED?
NO
YES
GPS 10% ACTIVE COMPARING TO LAST LOGGED LOCATION BEFORE ARMED
ALARM GRAY WIRE TRIGGERED?
NO
YES
SPEED > 1MPH?
YES
NO
MAIN POWER= 0V?
NO
YES
GPS LOCATION CHANGED BY 100'?
NO
YES
TRANSMIT ALERT "A" TURN ON FLAG "A"
START COMMAND 8
RECORD THIS EVENT

FIG. 4

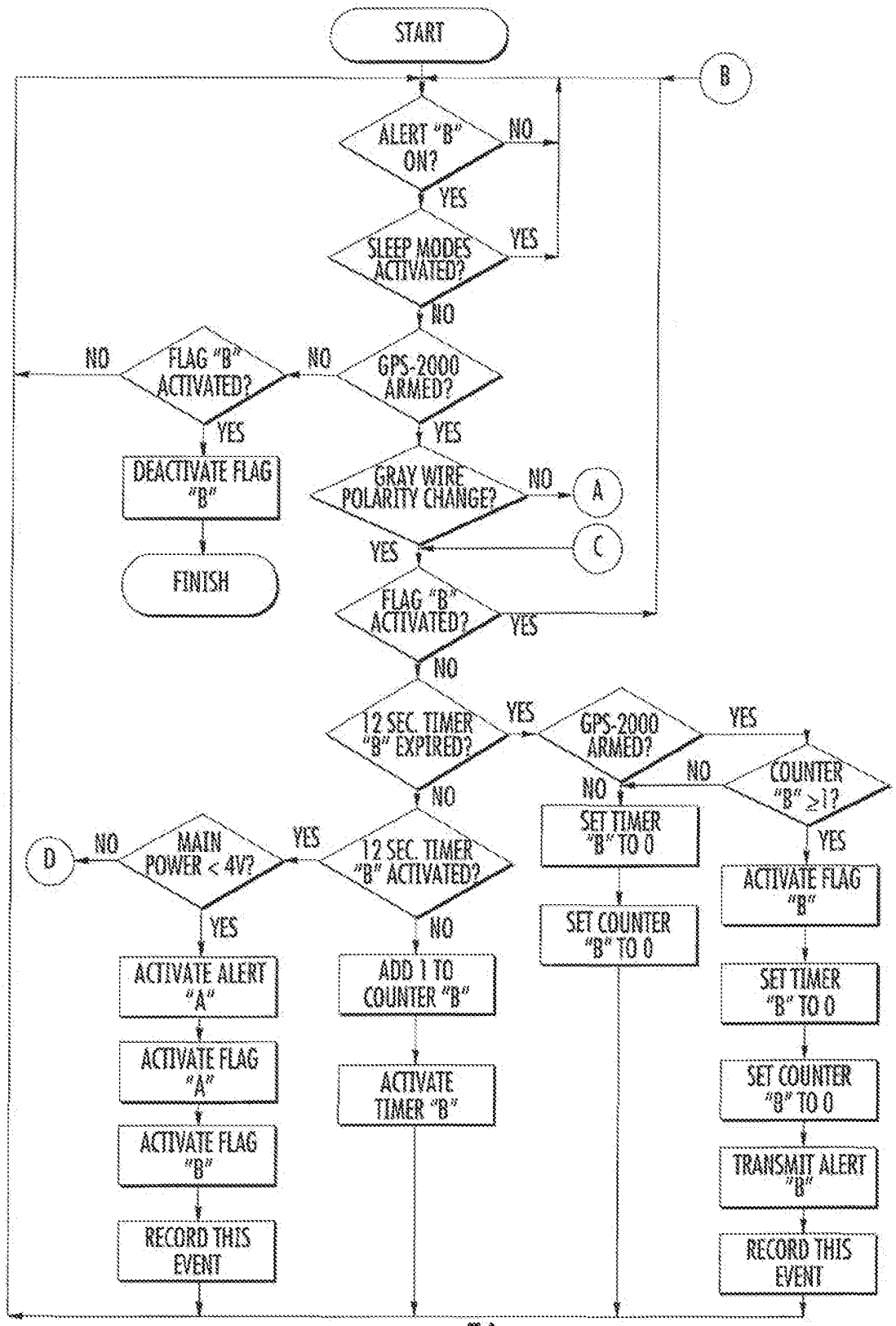
START
B
ALERT "B" ON?
NO
YES
SLEEP MODES ACTIVATED?
YES
NO
FLAG "B" ACTIVATED?
NO
GPS-2000 ARMED?
NO
YES
YES
DEACTIVATE FLAG "B"
FINISH
GRAY WIRE POLARITY CHANGE?
NO
A
YES
C
FLAG "B" ACTIVATED?
YES
NO
12 SEC. TIMER "B" EXPIRED?
YES
GPS-2000 ARMED?
YES
NO
COUNTER "B" ≥1?
NO
NO
SET TIMER "B" TO 0
SET COUNTER "B" TO 0
YES
ACTIVATE FLAG "B"
SET TIMER "B" TO 0
SET COUNTER "B" TO 0
TRANSMIT ALERT "B"
RECORD THIS EVENT
D
NO
MAIN POWER < 4V?
YES
12 SEC. TIMER "B" ACTIVATED?
YES
ACTIVATE ALERT "A"
ACTIVATE FLAG "A"
ACTIVATE FLAG "B"
RECORD THIS EVENT
NO
ADD 1 TO COUNTER "B"
ACTIVATE TIMER "B"

FIG. 5A

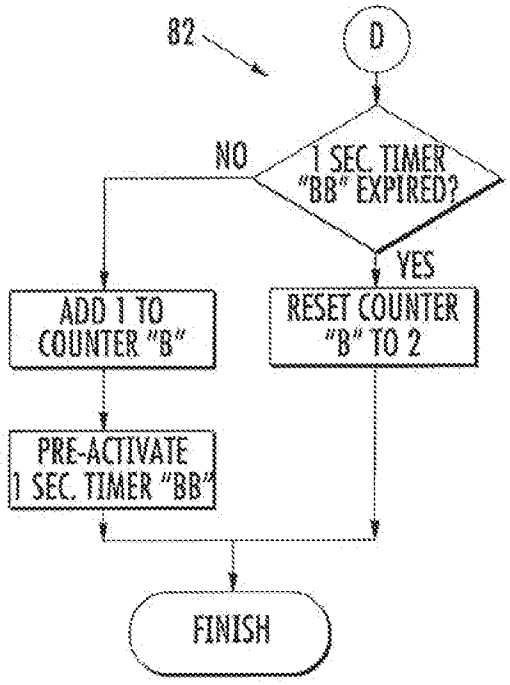
82
D
1 SEC. TIMER "BB" EXPIRED?
NO
YES
ADD 1 TO COUNTER "B"
RESET COUNTER "B" TO 2
PRE-ACTIVATE 1 SEC. TIMER "BB"
FINISH

FIG. 5B

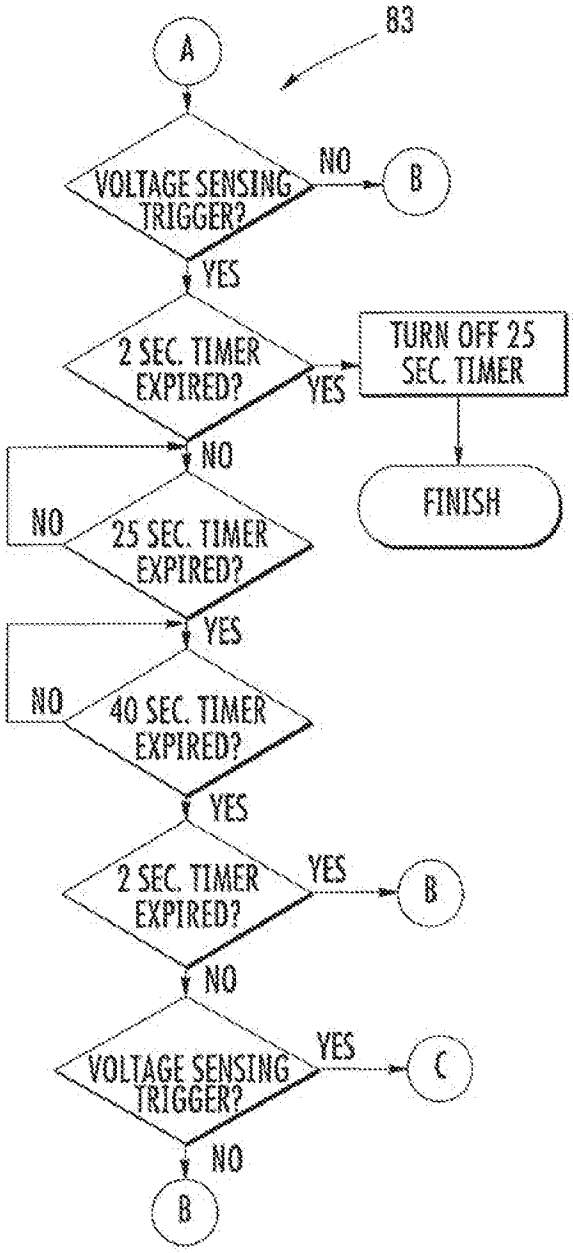
83
A
VOLTAGE SENSING TRIGGER?
NO
B
YES
2 SEC. TIMER EXPIRED?
YES
TURN OFF 25 SEC. TIMER
FINISH
NO
NO
25 SEC. TIMER EXPIRED?
YES
NO
40 SEC. TIMER EXPIRED?
YES
2 SEC. TIMER EXPIRED?
YES
B
NO
VOLTAGE SENSING TRIGGER?
YES
C
NO
B

FIG. 5C

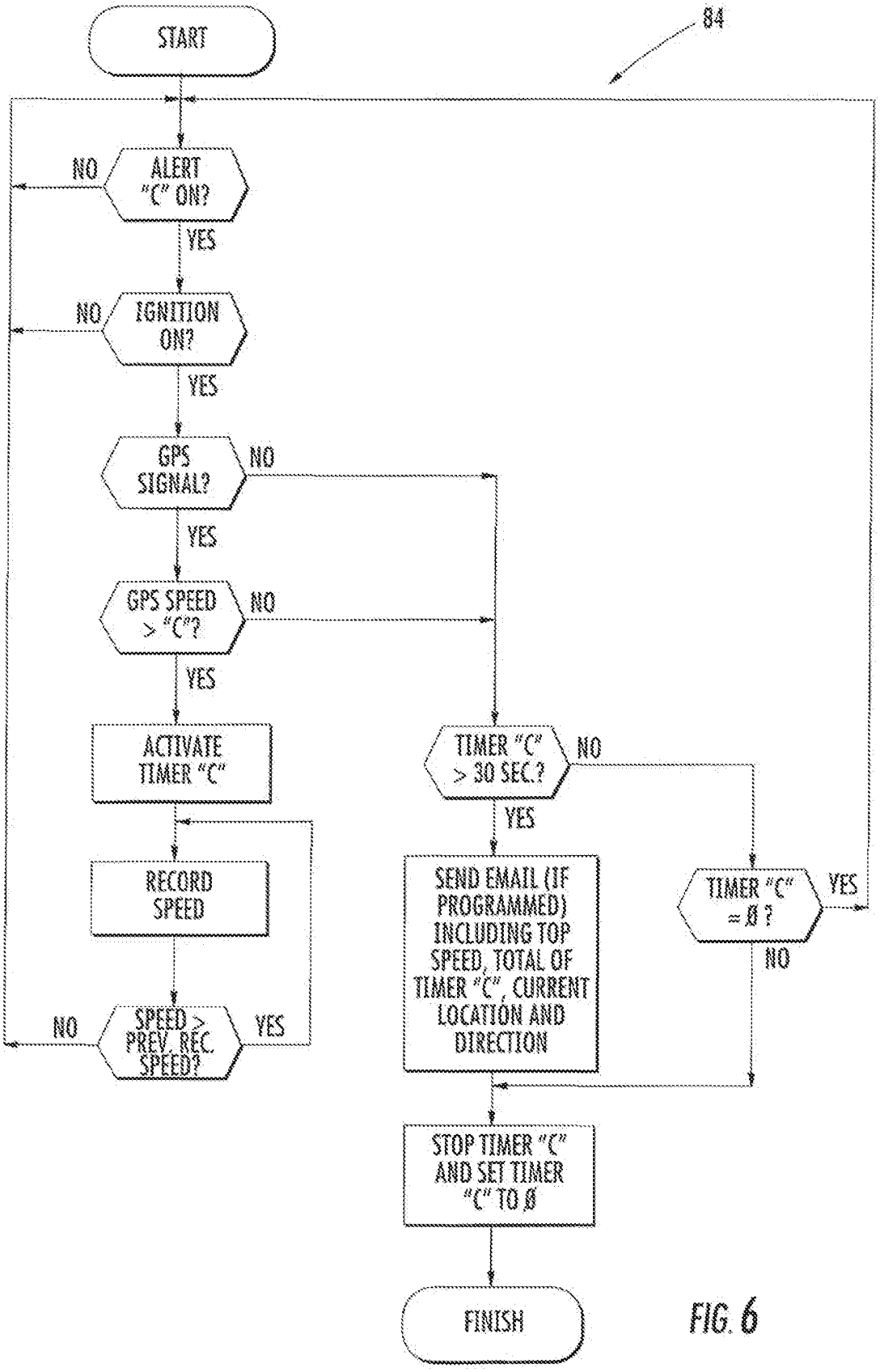
84
START
ALERT "C" ON?
NO
YES
IGNITION ON?
NO
YES
GPS SIGNAL?
NO
YES
GPS SPEED > "C"?
NO
YES
ACTIVATE TIMER "C"
RECORD SPEED
SPEED > PREV. REC. SPEED?
NO
YES
TIMER "C" > 30 SEC.?
NO
YES
SEND EMAIL (IF PROGRAMMED) INCLUDING TOP SPEED, TOTAL OF TIMER "C", CURRENT LOCATION AND DIRECTION
TIMER "C" = Ø ?
YES
NO
STOP TIMER "C" AND SET TIMER "C" TO Ø
FINISH

FIG. 6

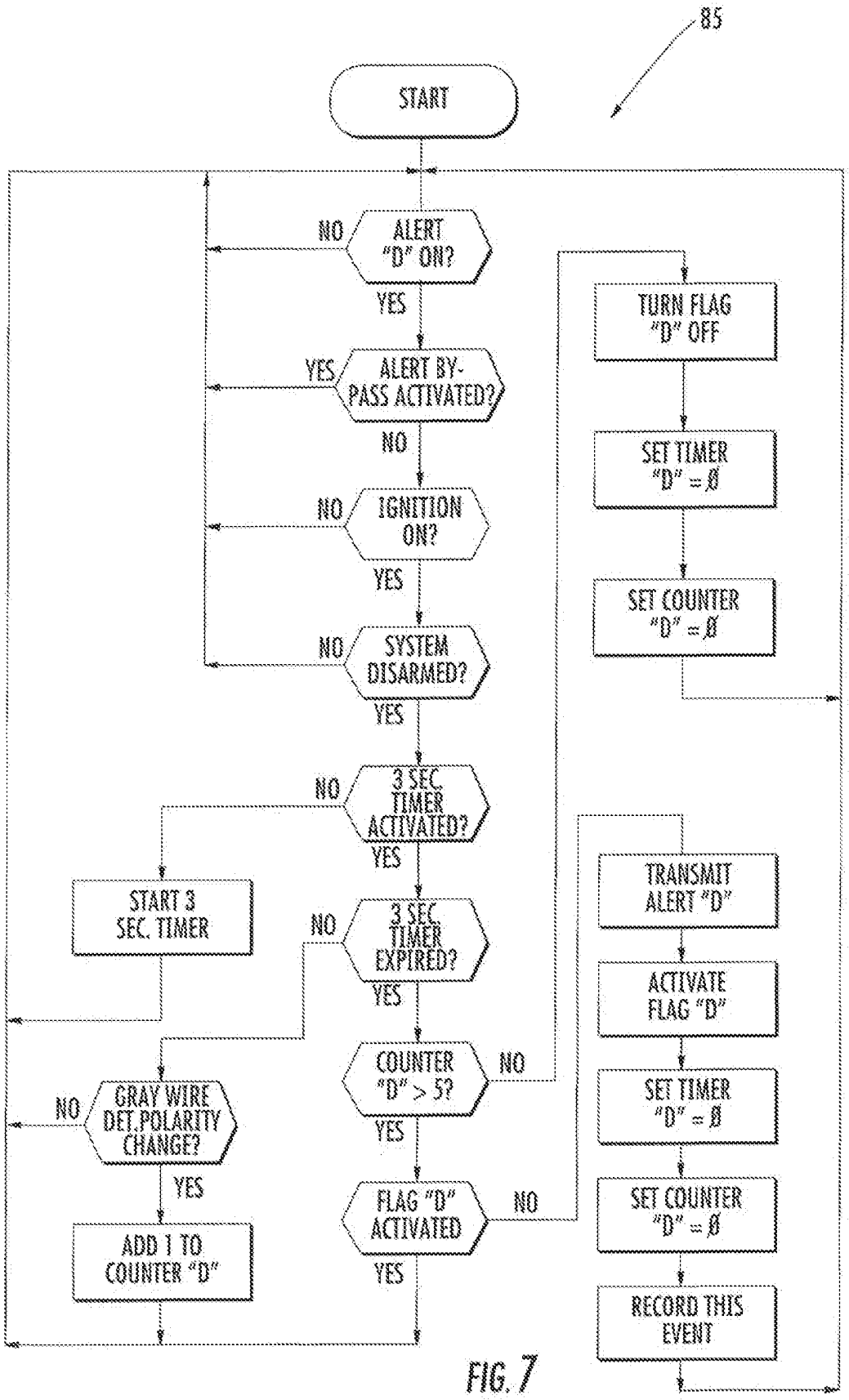
85
START
ALERT "D" ON?
NO
YES
ALERT BY-PASS ACTIVATED?
YES
NO
IGNITION ON?
NO
YES
SYSTEM DISARMED?
NO
YES
3 SEC. TIMER ACTIVATED?
NO
YES
START 3 SEC. TIMER
3 SEC. TIMER EXPIRED?
NO
YES
COUNTER "D" > 5?
NO
YES
GRAY WIRE DET.POLARITY CHANGE?
NO
YES
ADD 1 TO COUNTER "D"
FLAG "D" ACTIVATED
NO
YES
TURN FLAG "D" OFF
SET TIMER "D" = Ø
SET COUNTER "D" = Ø
TRANSMIT ALERT "D"
ACTIVATE FLAG "D"
SET TIMER "D" = Ø
SET COUNTER "D" = Ø
RECORD THIS EVENT

FIG. 7

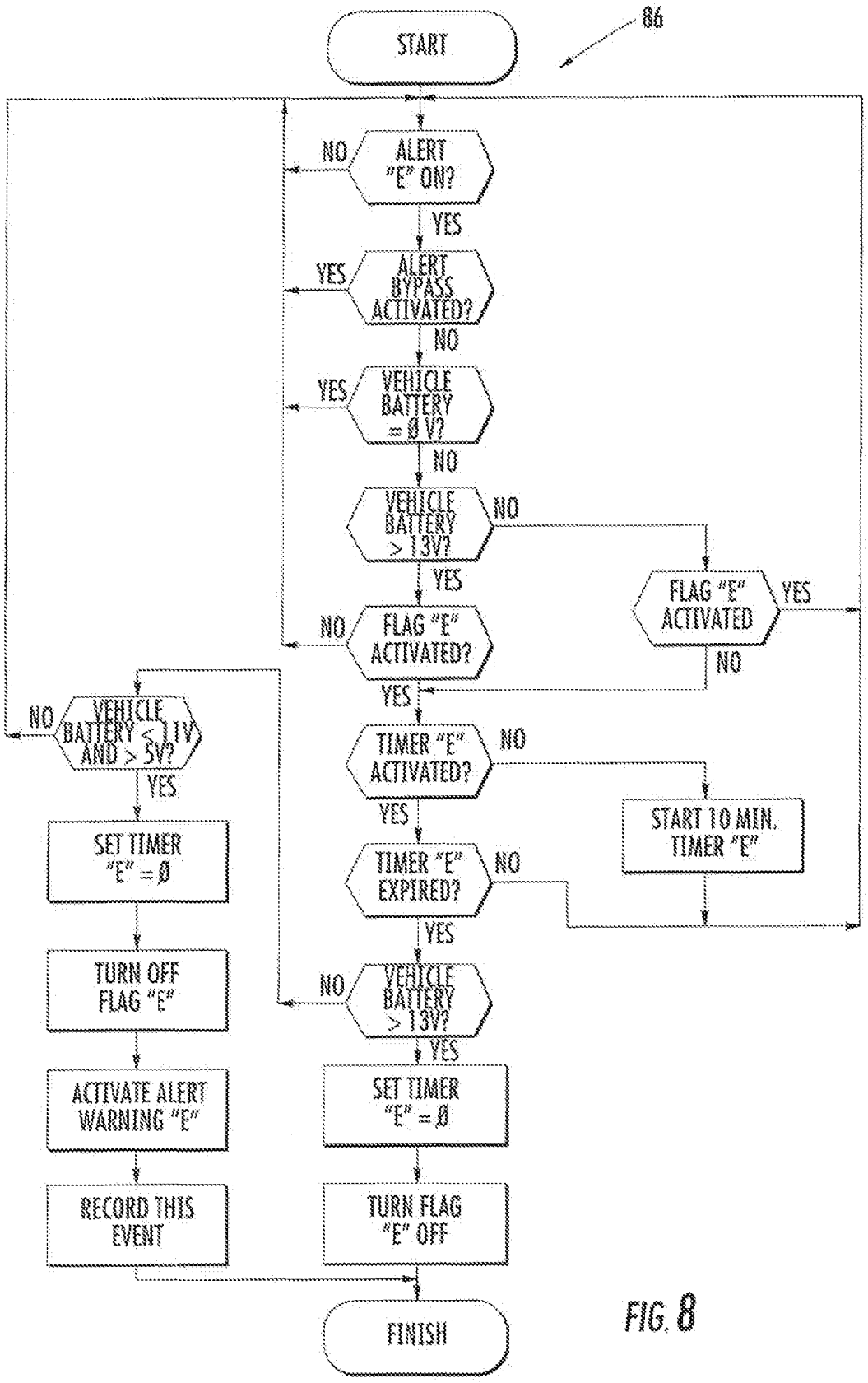
86
START
ALERT "E" ON?
NO
YES
ALERT BYPASS ACTIVATED?
YES
NO
VEHICLE BATTERY = Ø V?
YES
NO
VEHICLE BATTERY > 13V?
NO
YES
FLAG "E" ACTIVATED
YES
NO
FLAG "E" ACTIVATED?
NO
YES
TIMER "E" ACTIVATED?
NO
YES
START 10 MIN. TIMER "E"
TIMER "E" EXPIRED?
NO
YES
VEHICLE BATTERY > 13V?
NO
YES
SET TIMER "E" = Ø
TURN FLAG "E" OFF
VEHICLE BATTERY < 11V AND > 5V?
NO
YES
SET TIMER "E" = Ø
TURN OFF FLAG "E"
ACTIVATE ALERT WARNING "E"
RECORD THIS EVENT
FINISH

FIG. 8

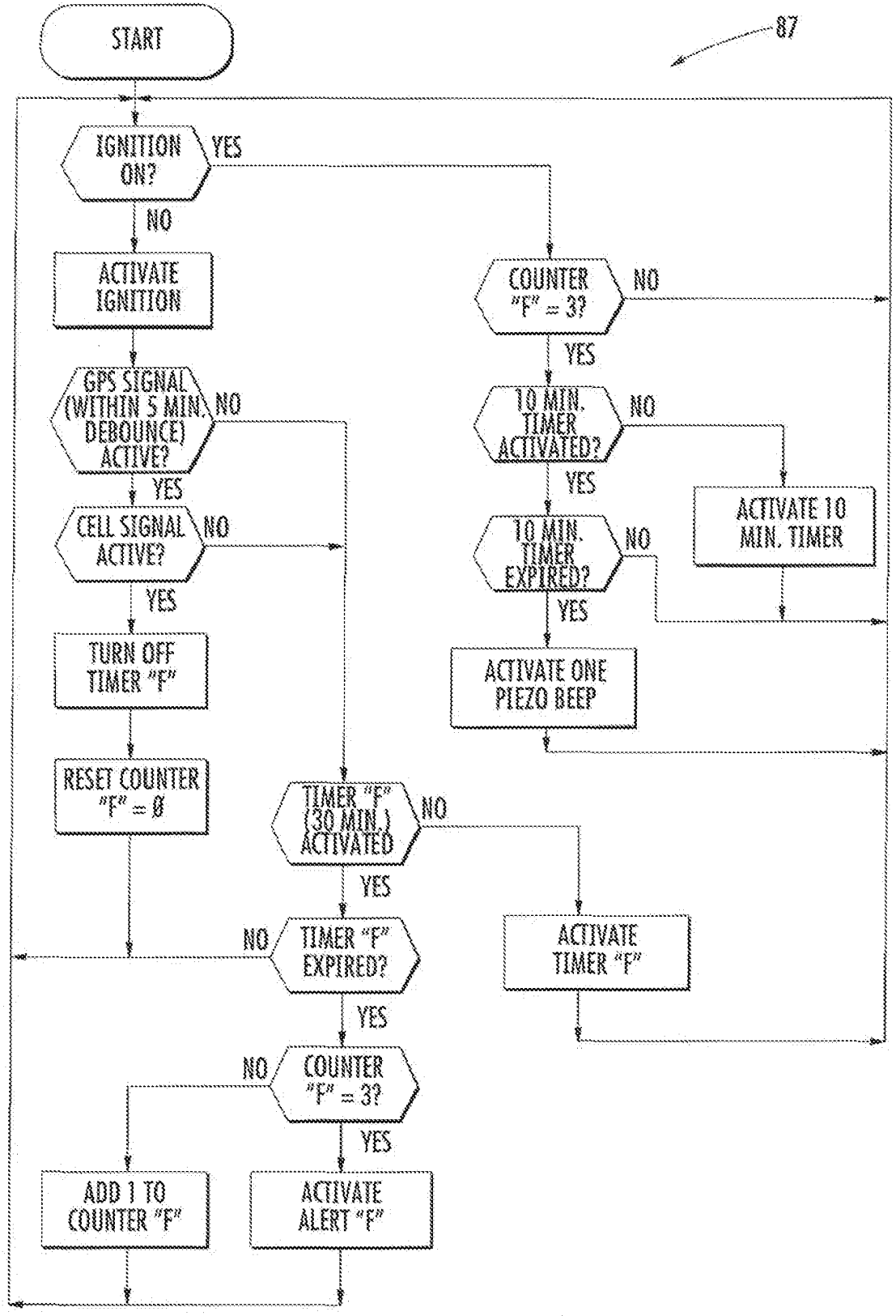
87
START
IGNITION ON?
YES
NO
ACTIVATE IGNITION
GPS SIGNAL (WITHIN 5 MIN. DEBOUNCE) ACTIVE?
NO
YES
CELL SIGNAL ACTIVE?
NO
YES
TURN OFF TIMER "F"
RESET COUNTER "F" = Ø
TIMER "F" (30 MIN.) ACTIVATED
NO
YES
TIMER "F" EXPIRED?
NO
YES
COUNTER "F" = 3?
NO
YES
ADD 1 TO COUNTER "F"
ACTIVATE ALERT "F"
ACTIVATE TIMER "F"
COUNTER "F" = 3?
NO
YES
10 MIN. TIMER ACTIVATED?
NO
YES
ACTIVATE 10 MIN. TIMER
10 MIN. TIMER EXPIRED?
NO
YES
ACTIVATE ONE PIEZO BEEP

FIG. 9

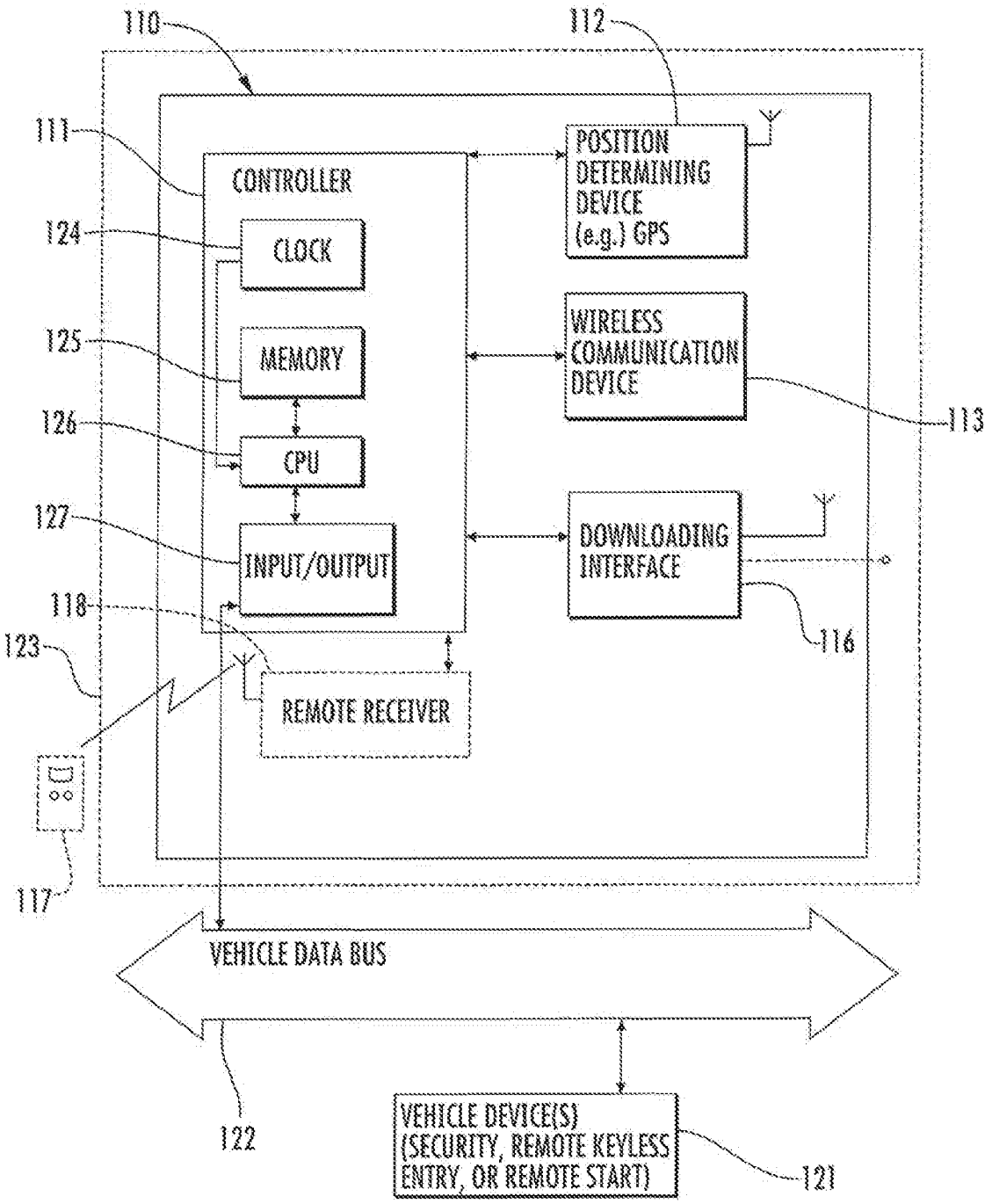
110
112
111
CONTROLLER
POSITION DETERMINING DEVICE (e.g.) GPS
124
CLOCK
125
MEMORY
WIRELESS COMMUNICATION DEVICE
113
126
CPU
127
INPUT/OUTPUT
DOWNLOADING INTERFACE
118
116
123
REMOTE RECEIVER
117
VEHICLE DATA BUS
122
VEHICLE DEVICE(S) (SECURITY, REMOTE KEYLESS ENTRY, OR REMOTE START)
121

FIG. 10

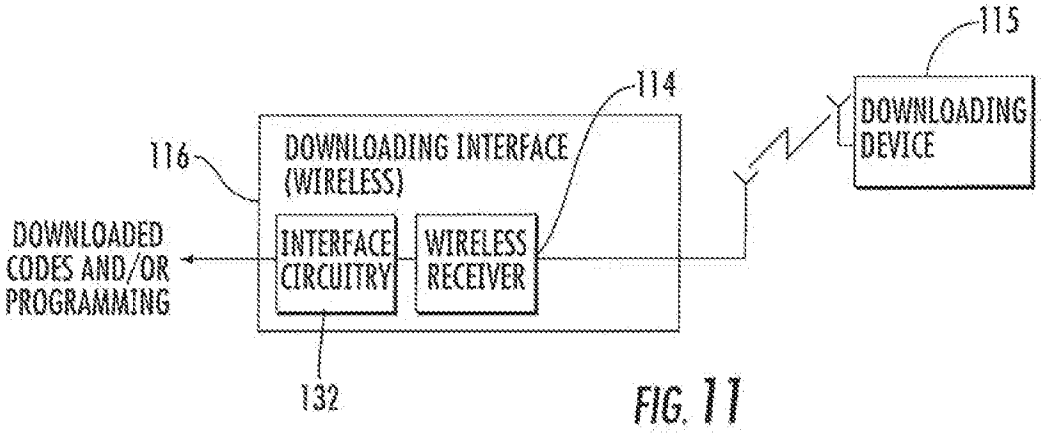

FIG. 11

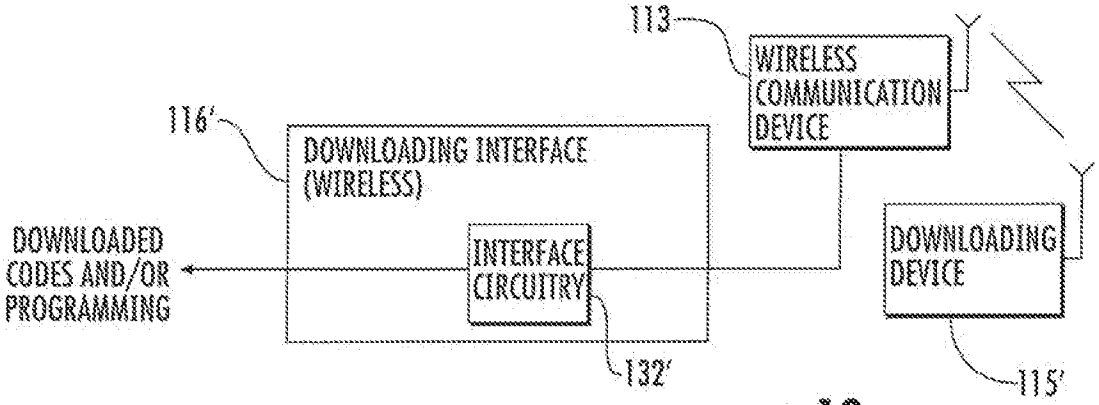

FIG. 12

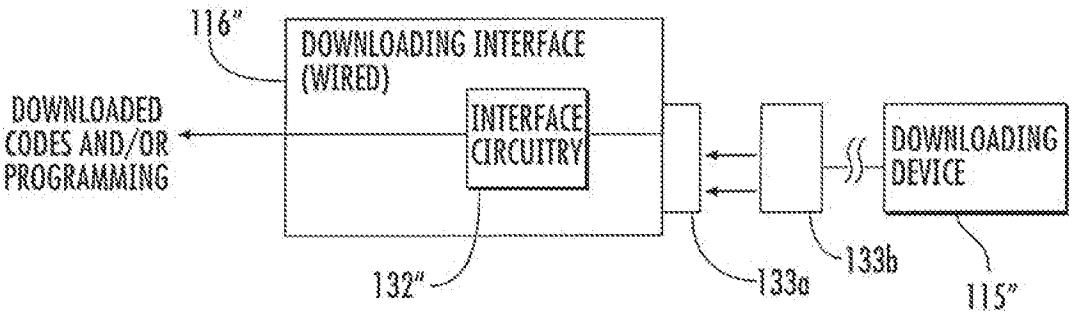

FIG. 13

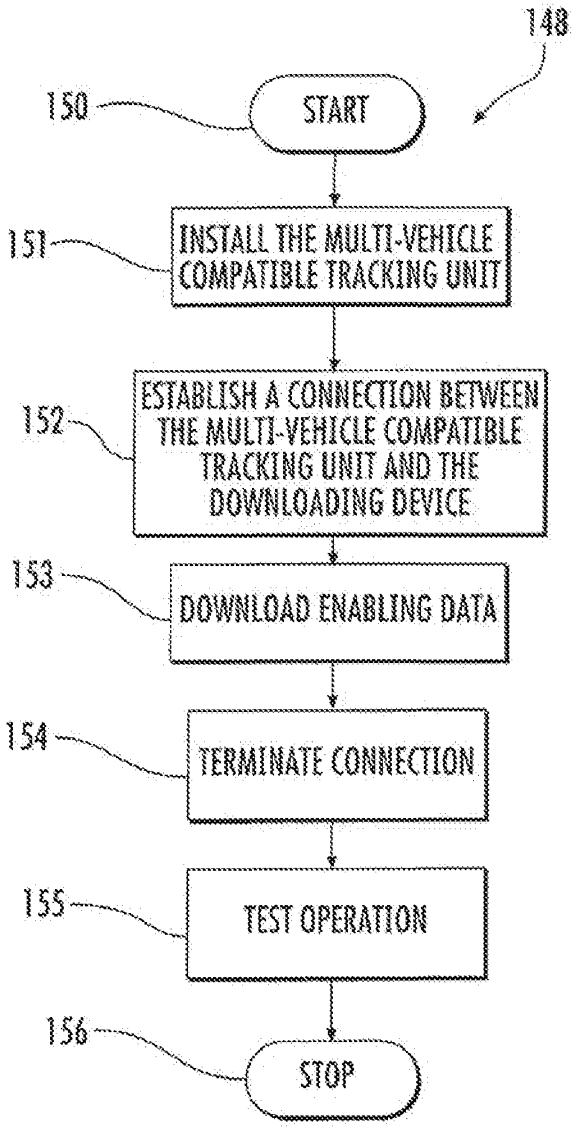
148
150
START
151
INSTALL THE MULTI-VEHICLE COMPATIBLE TRACKING UNIT
152
ESTABLISH A CONNECTION BETWEEN THE MULTI-VEHICLE COMPATIBLE TRACKING UNIT AND THE DOWNLOADING DEVICE
153
DOWNLOAD ENABLING DATA
154
TERMINATE CONNECTION
155
TEST OPERATION
156
STOP

FIG. 14

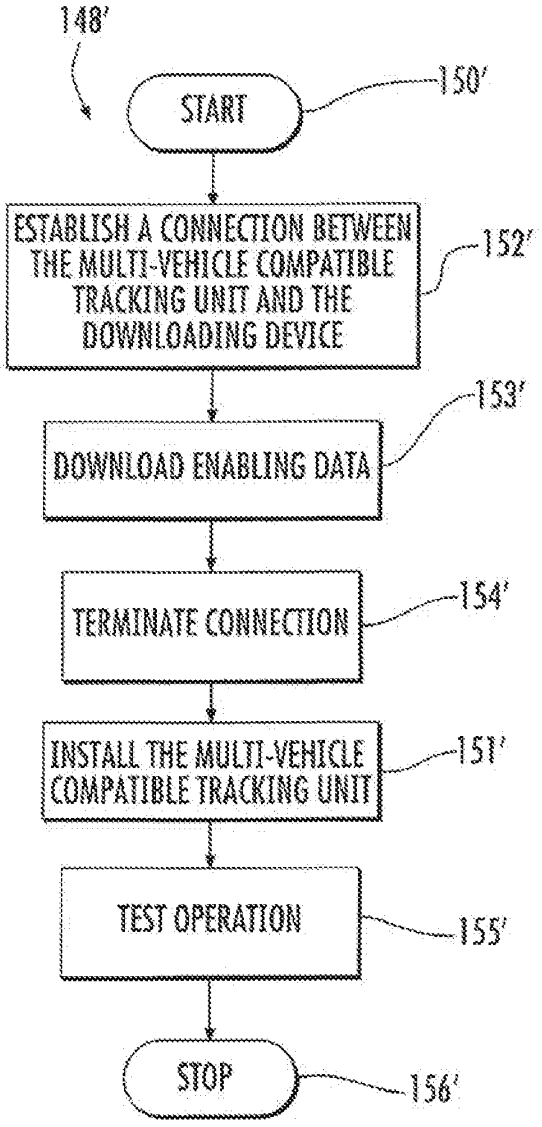
148'
START
150'
ESTABLISH A CONNECTION BETWEEN THE MULTI-VEHICLE COMPATIBLE TRACKING UNIT AND THE DOWNLOADING DEVICE
152'
DOWNLOAD ENABLING DATA
153'
TERMINATE CONNECTION
154'
INSTALL THE MULTI-VEHICLE COMPATIBLE TRACKING UNIT
151'
TEST OPERATION
155'
STOP
156'

FIG. 15

VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS

RELATED APPLICATIONS

The present application is a continuation-in-part of U.S. patent application Ser. No. 11/076,259 filed Mar. 9, 2005 now U.S. Pat. No. 7,720,597, which is a continuation of U.S. patent application Ser. No. 10/383,496 filed Mar. 7, 2003 now U.S. Pat. No. 7,149,623, which is a continuation of U.S. patent application Ser. No. 09/859,972 filed on May 17, 2001 now U.S. Pat. No. 6,606,561 which, in turn, was based upon provisional patent application Ser. Nos. 60/264,811 filed on Jan. 29, 2001; 60/258,005, filed Dec. 22, 2000; 60/251,552, filed Dec. 6, 2000; 60/252,125, filed Nov. 20, 2000; 60/236,890, filed Sep. 29, 2000; 60/246,463, filed Nov. 7, 2000; 60/222,777, filed Aug. 3, 2000; and 60/205,178, filed May 17, 2000, the entire contents of each of which are incorporated herein by reference.

FIELD OF THE INVENTION

The present invention relates to the field of vehicle devices, and, more particularly, to a tracking system for vehicles, and related methods.

BACKGROUND OF THE INVENTION

Motor vehicles, such as passenger cars, trucks, busses, fleet vehicles, etc. are widely used and knowing the locations of such vehicles is often desired. For example, should a vehicle be stolen, it would be beneficial to know the vehicle's location so that authorities could be promptly and accurately directed to retrieve the vehicle. Indeed, the tracking system could plot the getaway path of the thief.

For a company with hired drivers, it may be desirable to know the driver's whereabouts during the course of the day. Similarly, a rental car agency or other fleet operator, for example, may wish to know the whereabouts of its fleet of vehicles.

It may also be desirable to track the location of a vehicle as it is used throughout the course of a normal day. For parents of younger or older drivers, for example, knowledge of the vehicle's location may provide some assurance that the driver is at designated locations and following a prescribed route.

A number of patents disclose various systems and approaches to tracking vehicles. For example, U.S. Pat. No. 5,223,844 discloses a tracking system including a control center and a mobile unit installed in the vehicle. The mobile unit may send security warnings to the command center via a wireless transceiver. Position information for the vehicle is determined using a GPS receiver at the vehicle.

U.S. Pat. No. 5,515,043 discloses a similar system which may send one or more preprogrammed telephone messages to a user when away from the vehicle. The user may remotely access location information or cause certain commands to be carried out by entering a personal identification number (PIN).

The widespread availability and use of the Internet has prompted a number of vehicle tracking systems to also make use of the Internet. For example, TelEvoke, Inc. proposed such a system in combination with Clifford Electronics. The system was to provide notification, control and tracking services via the telephone or the Internet. Users could be notified via phone, e-mail, or pager of events such as a car alarm being triggered. Users could control the vehicle remote devices via phone, web, or PDA such as unlocking car doors. Additionally, users could track TelEvoke-enabled vehicles on the Internet or via the telephone. An Internet map could be viewed by the user showing the actual and prior vehicle locations. TelEvoke offered its services via a centralized fully automated Network Operations Center. To reduce the communications costs, it was proposed to use the control channel of the cellular telephone network.

There are, of course, a number of vehicles which come from the manufacturer with some form of security system already installed. In addition, a number of vehicles are also equipped with aftermarket security systems. Many conventional vehicle tracking units may not be readily installed in vehicles, particularly those vehicles already including a vehicle security system. In addition, complexity of installation may significantly increase the system costs.

A number of patents disclose various security and control systems that address data bus interoperability. For example, U.S. Pat. No. 5,719,551, assigned to Omega Patents, LLC, the assignee of the present invention, discloses a vehicle security system for a vehicle including a data bus connecting a plurality of vehicle devices. A signal enabling circuit enables the alarm controller to operate using a set of desired signals selected from a plurality of possible sets for different vehicles. U.S. Pat. No. 6,011,460, assigned to Omega Patents, LLC, discloses a similar system where the set of desired signals from the plurality of different sets of signals for different vehicles is obtained, such as by connection and communication with a downloading device. Additionally, U.S. Pat. No. 6,756,885, also assigned to Omega Patents, LLC, discloses a multi-vehicle control system whereby a multi-vehicle compatible controller stores a set of device codes for a given vehicle device for a plurality of different vehicles. Device codes are read from the data communications bus, and a match between a read device code and the stored device codes is determined to provide compatibility with different vehicles.

Unfortunately, such advanced techniques for dealing with multiple device codes for a vehicle having a data communications bus have not yet been developed for vehicle tracking units.

SUMMARY OF THE INVENTION

In view of the foregoing background, it is therefore an object of the present invention to provide a multi-vehicle compatible tracking unit which may be used to control operable vehicle devices, and/or read information therefrom via the vehicle data communications bus and related methods.

This and other objects, features, and advantages in accordance with the present invention are provided by a multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle. The multi-vehicle compatible tracking unit may include a vehicle position determining device, a wireless communications device, and a multi-vehicle compatible controller for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The multi-vehicle compatible controller may be coupled to the vehicle data bus for communication therewith with at least one vehicle device. The at least one vehicle device may use at least one corresponding vehicle device code from among a plurality thereof for different vehicles. The tracking unit may also include a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller. Accordingly, the multi-vehicle compatible

tracking unit may be used to control operable vehicle devices, and/or read information therefrom via the vehicle data communications bus.

The downloading interface may comprise either a wired or wireless signal downloading interface. The wired signal downloading interface may comprise a connector for temporary connection to a downloading device, for example. The wireless signal downloading interface may include a wireless receiver for temporary connection to a downloading device. The wireless signal downloading interface may also be in the form of a connection to the wireless communications device used for sending position information. The downloading interface may also be for permitting downloading of at least one programming instruction for the multi-vehicle compatible controller, in some embodiments.

The corresponding at least one vehicle code may be for reading from the at least one vehicle device, and/or for writing to the at least one vehicle device. Further, the multi-vehicle compatible tracking unit may comprise a remote transmitter. At least one vehicle remote control function responsive to the remote transmitter may be performed by the multi-vehicle compatible controller. For example, the at least one vehicle remote control function may include at least one of a vehicle security function, a remote keyless entry function, and a remote engine starting function. Also, the wireless position determining device may comprise a Global Positioning System (GPS) receiver. A tracking unit may also include a common housing for its various components.

A method aspect is for using a multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle. The multi-vehicle compatible tracking unit may include a vehicle position determining device, a wireless communications device, and a multi-vehicle compatible controller for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The multi-vehicle compatible controller may be coupled to the vehicle data bus for connection thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality of thereof for different vehicles. The method may include downloading the enabling data related to at least one corresponding vehicle device code for use by the multi-vehicle compatible controller via a downloading interface.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** is a simplified block diagram of a vehicle tracking system in accordance with the present invention.

FIG. **2** is a more detailed block diagram of the vehicle tracking unit as shown in FIG. **1**.

FIG. **3** is a more detailed block diagram of the monitoring station as shown in FIG. **1**.

FIG. **4** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle stolen alert.

FIGS. **5A-5C** are a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle alarm sounding alert.

FIG. **6** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a vehicle speeding alert.

FIG. **7** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating an unauthorized transmitter learned alert.

FIG. **8** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a low battery alert.

FIG. **9** is a flowchart for operation of the vehicle tracking system as shown in FIG. **1** illustrating a GPS or cellular unit failure alert.

FIG. **10** is a simplified block diagram of a multi-vehicle compatible tracking unit in accordance with the invention.

FIG. **11** is a more detailed block diagram of an embodiment of the downloading interface as shown in FIG. **10**.

FIG. **12** is a more detailed block diagram of another embodiment of a downloading interface as shown in FIG. **10**.

FIG. **13** is a more detailed block diagram of yet another embodiment of the downloading interface as shown in FIG. **10**.

FIG. **14** is a flowchart showing a method in accordance with the invention.

FIG. **15** is a flowchart showing another embodiment of a method in accordance with the invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

The present invention will now be described more fully hereinafter with reference to the accompanying drawings in which preferred embodiments of the invention are shown. This invention may, however, be embodied in many different forms and should not be construed as limited to the illustrated embodiments set forth herein. Rather, these embodiments are provided so that this disclosure will be thorough and complete, and will fully convey the scope of the invention to those skilled in the art. Like numbers refer to like elements throughout, and prime notation and multiple prime notation are used to indicate similar elements in alternate embodiments.

Referring to FIGS. **1-3**, the vehicle tracking system **20** in accordance with the invention is now initially described. The vehicle system **20** illustratively includes a vehicle tracking unit **25** to be mounted in the vehicle **21** and a monitoring station **30** which is remote from the vehicle and which is typically in a fixed location. In the illustrated embodiment, the vehicle tracking unit **25** interfaces with various vehicle devices, such as may include security sensors, door locks, etc. as will be appreciated by those skilled in the art.

The vehicle tracking unit **25** is also illustratively connected to a separate vehicle security system **27** as may already be installed in the vehicle **21**, from the factory or installed as an aftermarket product. Those of skill in the art will appreciate that in some embodiments of the vehicle tracking system **20** a separate vehicle security system **27** may not be needed, and/or various features thereof can be readily incorporated in the vehicle tracking unit **25**.

The monitoring station **30** may typically service a number of subscribers **31**. As shown perhaps best in FIG. **3**, the monitoring station **30** may include a user interface, such as the schematically illustrated telephone network interface **33** and the internet interface **34** which are schematically coupled to a telephone **35**, and a computer **36**, respectively. Of course in other embodiments, other interfaces may be used and only one of the illustrated interfaces may be needed. Those of skill in the art will also recognize that messages may be sent to a subscriber or user via preprogrammed voice messages, e-mail messages, facsimile messages, pager alerts, etc. In addition commands or instructions from the subscriber can also be input to the monitoring station **30** via the telephone network interface **33** and/or the internet interface **34**, from the subscribers telephone **35** or computer **36**.

The monitoring station **30** is illustratively connected to a cellular telephone tower **32** which, in turn, may communicate with the vehicle tracking unit **25** in some embodiments. Of course, in other embodiments other communications

approaches are also contemplated, such as, for example, including satellite communications.

The monitoring station **30** may typically include the necessary modems, and other communications electronics, and computers for its functions which are described in greater detail below. The configuration of such components and their details will be readily apparent to those skilled in the art. Accordingly, no further discussion of these details is needed.

Referring now more specifically to FIG. **2**, additional details of the vehicle tracking unit **25** and devices at the vehicle are now further described. The vehicle tracking unit **25** illustratively includes a controller **40**, a vehicle position determining device **42**, and a wireless communications device **44** connected together. The vehicle position determining device **42** may be provided by a GPS receiver, for example. The GPS receiver typically operates by receiving multiple signals from spaced apart satellites **38** as will be appreciated by those skilled in the art.

In other embodiments, the vehicle position determining device **42** may be provided based upon communications with the cellular telephone network, or based upon other satellite transmissions, for example. As a particular example, time of arrival techniques are available based upon multiple reception paths to determine position via the cellular telephone network as will be appreciated by those skilled in the art. The vehicle position determining device **42** also illustratively includes an indicator **43** associated therewith, such as for indicating an operating mode, or proper operation of the device as will be addressed in greater detail below.

The wireless communications device **44** may be provided by a cellular telephone transceiver configured to operate on a control channel of the cellular network. Such a control channel may provide nearly universal coverage for the tracking system **20** as will be appreciated by those skilled in the art. In addition, the control channel may offer relatively inexpensive communications between the monitoring station **30** and the vehicle tracking unit **25** as will be appreciated by those skilled in the art. The wireless communications device **44** also illustratively includes an optional status indicator **45** with a similar function as the indicator **43** for the vehicle position determining device.

The wireless communications device **44** in other embodiments, may transmit in the voiceband of the cellular network. Alternately, the wireless communications device may communicate over other networks, such as over satellite, or via wireless internet services, as will be appreciated by those skilled in the art.

The controller **40** illustratively includes a central processing unit (CPU) **50** or other logic circuitry which is connected to a clock signal generator **51** and a memory **52**. In other embodiments, the memory **52** may be an embedded memory in the CPU **50**. The controller **40** also includes schematically illustrated input/output circuitry **53** to interface with various vehicle devices. In particular the input/output circuitry **53** may provide dual polarity compatibility for one or more inputs or outputs as will be described in greater detail below. One or more of the terminals of the input/output circuitry **53** may also provide both input and output functions as will also be described in greater detail below. This may significantly simplify and accelerate installation of the vehicle tracking unit **25** in the vehicle **21**.

Also illustratively shown as part of the vehicle tracking unit **25** are a back-up battery **54**, and switch **55** connected thereto for selectively powering certain of the components based upon the controller **40**. Of course, the vehicle **21** also includes an electrical system including the vehicle battery **61**. Powering of the vehicle tracking unit **25** is described in greater detail below.

The vehicle **21** also includes a number of other components that may relate to vehicle tracking, security, and/or convenience features provided by the vehicle tracking system **20**. For example, the vehicle **21** may include one or more door lock actuators **62**, an optional remote starting device **63**, a starter interrupt device **66** and an alarm indicator **67**. For example, the alarm indicator may be provided by a vehicle horn or vehicle siren, and/or flashing of the lights.

The optional separate security system **27** illustratively includes a vehicle security controller **28** and a receiver **29** connected thereto. As is conventional, the vehicle security system **27** may be switched between armed and disarmed modes, for example, by one or more uniquely coded remote transmitters **60**. The vehicle security controller **28** may also be capable of learning a new uniquely coded remote transmitter **60** as will be appreciated by those skilled in the art. The vehicle security controller **28** also illustratively is connected to the starter interrupt device **66** and the alarm indicator **67**.

For ease of explanation, a number of the features of the vehicle tracking system **20** are now described. The vehicle tracking system **20** includes a number of features that may simplify installation and maintenance. For example, as shown in FIG. **2**, the vehicle tracking unit **25** may have a test switch **71** connected to the controller **40**.

In normal operation, the controller **40** may be called upon to operate at least one vehicle device. Of course, the controller **40** also cooperates with the wireless communications device **44** and the vehicle position determining device **42** to determine and send vehicle position information to the monitoring station **30**. Moreover, the controller **40** may be switchable to a test mode for test operation of the at least one vehicle device responsive to activation of the test switch **71**.

In some embodiments, the at least one vehicle device may be a plurality of vehicle devices that are tested by operation in sequence. For example, the at least one vehicle device may comprise at least one door lock actuator **62**. The at least one vehicle device may also comprise the starter interrupt device **66**, or the engine remote starter **63** if remote starting is an implemented feature. The at least one vehicle device which is tested, may also be the alarm indicator **67**. Accordingly, an installer, for example, can quickly check that the tracking unit has been properly installed.

To further provide for ready determination of proper operation of the vehicle tracking unit **25**, one or both of the position determining and wireless communications devices **42**, **44** may include associated indicators **43**, **45** as mentioned briefly above, and which provide an indication relating to proper operation. Each indicator **43**, **45** may indicate a mode of operation of the device, its proper operation, or a partial or complete failure of the device.

Another aspect of the invention is that the controller **40** may provide a selectable polarity for the at least one vehicle device based upon sensing thereof. Accordingly, a predetermined activation of the test switch **71** may cause the controller **40** to sense and select the proper polarity. Pressing the test switch **71** for a predetermined time or in a predetermined pattern may sense and set the polarity.

Another feature of the vehicle tracking unit **25** and vehicle tracking system **20** relates to conservation of the number of codes or messages that need to be sent to the vehicle tracking unit. In particular, the controller **40** may have a plurality of different controller states and respond differently to a same message from the monitoring station **30** at different times depending upon the controller state at a given time. Accord-

ingly, a number of codes or messages used by the system can be conserved. Various messages are described in greater detail below.

A controller state may change based upon several different occurrences or events. For example the controller may change states in response to a change in at least one vehicle device, or based upon a message received by the wireless communications device **44** from the monitoring station **30**, and/or based upon elapsed time. The controller states, for example, may include an alert sent state based upon an alert message being sent from the wireless communications device **44**. Thereafter, receipt of a predetermined message by the wireless communications device **44** when the controller **40** is in the alert sent state may confirm receipt of the alert message by the monitoring station.

Receipt of the predetermined message by the wireless communications device **44** when the controller **40** is in another state different than the alert sent state may thus cause a different response by the controller. The alert sent state may comprise at least one of a vehicle stolen alert sent state, a vehicle alarm sounding alert sent state, a vehicle speeding alert sent state, an unauthorized remote transmitter alert sent state, a low vehicle battery alert sent state, and a device malfunction alert sent state. The various alert messages and confirmation thereof are described in greater detail below.

The code or message conservation aspects of the vehicle tracking system **20** also permit sending a sequence of codes or messages within a predetermined time to also cause a different response at the vehicle tracking unit **25**. In other words, the plurality of controller states may comprise a received first message state based upon a first message being received by the wireless communications device **44** from the monitoring station **30**. Receipt of a second message by the wireless communications device **44** when the controller **40** is in the received first message state, such as within a predetermined time window, for example, may thus cause a different response by the controller than does receipt of the second message when the controller is in another state than the received first message state.

The plurality of controller states may comprise a vehicle finder state sounding an audible signal via the alarm indicator **67** at the vehicle **21**. In this state the controller **40** would bypass sending a vehicle alarm sounding alert to the monitoring station **30**.

Another aspect of the vehicle tracking system **20** is the provision of certain power conservation and management techniques, such as to permit extended periods where the vehicle **21** is not in operation. During such extended periods, the vehicle battery **61** provides power to the vehicle tracking unit **25** as well as other vehicle devices. Accordingly, the voltage of the vehicle battery **61** drops over time. The vehicle tracking unit **25** may provide a significant drain on the vehicle battery **61** because of the power consumed by the wireless communications device **44** during transmission as will be appreciated by those skilled in the art.

The vehicle position determining device **42**, the wireless communications device **44** and the controller **40** may be considered as defining a power load of the vehicle tracking unit **25**. The controller **40** may operate the schematically illustrated power switch **55** to isolate the back-up battery **54** from the power load as a voltage of the vehicle battery **61** drops until reaching a threshold. After or below the threshold the controller **40** may cause the back-up battery **54** to selectively power only a first portion of the power load while a second portion of the power load remains powered by the vehicle battery.

For example, the wireless communications device **44** may have a higher operating voltage than the vehicle position determining device **42**. The first portion of the power load that is selectively powered despite the low vehicle battery voltage may thus be the wireless communications device **44**. In particular, the wireless communications device **44** may be powered for transmission. Accordingly, the back-up battery **54** can be saved for limited communication using the higher voltage wireless communications device **44**. This provides useful features even after an extended period during which the vehicle **21** is left unattended and the vehicle battery **61** gradually discharges.

To further conserve power, the controller **40** may reduce operation of the power load as vehicle battery voltage falls. Conversely, the controller **40** may restore operation of the power load based upon the voltage of the vehicle battery **61** rising again, such as upon being recharged.

Also relating to power consumption, the controller **40** further causes transmission of a low vehicle battery voltage alert to the monitoring station **30** based upon the voltage of the vehicle battery **61** falling below the threshold. The user or subscriber may cause the monitoring station **30** to issue a remote start command. The controller **40** may then generate a remote start output to the remote start device **63** to thereby start the engine and recharge the vehicle battery.

Another feature of the vehicle tracking system **20** is that the vehicle tracking unit **25** may be readily installed and connected to a vehicle **21**, such as in the illustrated embodiment where the vehicle includes a starter interrupt device **66** and a separate vehicle security controller **28**. More particularly, the controller **40** may switch between an armed mode and a disarmed mode based upon operation of the engine starter interrupt device **66**. The controller **40** when in the armed mode may cooperate with the wireless communications device **44** to send an alert message to the monitoring station **30** and including vehicle position information, for example, based upon the vehicle position determining device **42**. The controller **40** is also for selectively operating the engine starter interrupt device **66** to provide additional security features.

In one advantageous embodiment, the controller **40** preferably comprises a combination input and output terminal for connection to the engine starter interrupt device. This terminal is at the input/output circuitry **53** and is schematically illustrated by reference numeral **72**. The controller **40** may switch to the armed mode when in the disarmed mode and based upon the engine starter interrupt device **66** being operated to disable engine starting. Conversely, the controller **40** may switch to the disarmed mode based upon the engine starter interrupt device **66** being operated to enable engine starting. In other words, the vehicle tracking unit **25** can piggyback its arming and disarming off the existing vehicle security system **27**, for example.

The controller **40** may also selectively operate the engine starter interrupt device **66** based upon a command message from the monitoring station **30**. The controller **40** may selectively operate the engine starter interrupt device **66** based upon a command message from the monitoring station **30**. Alternately, or in addition thereto, the controller **40** may selectively operate the engine starter interrupt device **66** based upon the ignition switch **65**.

The following descriptive portions relate to various user or subscriber notifications and features provided by the vehicle tracking system **20**. Of course, the controller **40** preferably cooperates with the wireless communications device **44** to send an alert message. The monitoring station **30** may comprise a user interface, such as one or both of the telephone

network or internet interfaces **33**, **34**, respectively (FIG. **3**), for generating a sequence of alert message notifications based upon receiving the alert message sent from the vehicle tracking unit **25**. More particularly, the monitoring station interface permits canceling any remaining alert message notification based upon a cancellation command response from a user or subscriber having already received the alert message notification. The user may send the cancellation response via the telephone **35** or computer **36** (FIG. **3**), for example. Thus, if the user may be reached at different telephone numbers or different users are desirably notified of the alert, this aspect of the vehicle tracking system **20** can make the notifications efficiently and without making unnecessary notifications.

The vehicle tracking system **20** may provide any of a number of very useful alerts, as discussed herein. For example, the alert message sent from the vehicle tracking unit may comprise at least one of a vehicle stolen alert message, and a vehicle alarm sounding alert message. The alert message may be one of a vehicle speeding alert message, and a vehicle acceleration alert message. In addition, the alert message may comprise an unauthorized remote transmitter alert message. Also, the alert message may be at least one of a low vehicle battery alert message, and a device malfunction alert message.

The speeding alert may be based upon exceeding a speed threshold for greater than a certain time, which may be user selectable. The acceleration alert may also be useful as such is also indicative of aggressive driving along with the speeding alert. The unauthorized remote transmitter alert increases overall security since a user will be notified if a would-be thief learns an unauthorized transmitter to operate the controller. These alerts are described in greater detail below.

The vehicle tracking system **20** may be implemented as a service to a subscriber. In other words, the subscriber pays a monthly fee for the service. Accordingly, it may be important to encourage a user to register. Similar subscriber or registrations systems in the past have suffered revenue losses since some users would wait to activate the system until the vehicle was stolen. In other words, the user would only subscribe or register and pay a single month's fee.

In accordance with this aspect of the vehicle tracking system **20** prompt user registration is encouraged. In particular, the vehicle tracking unit **25** may include the user registration reminder indicator **56** and the controller **40** may be switchable from an unregistered mode to a registered mode. In the registered mode, the controller **40** may cooperate with the wireless communications device **44** and the vehicle position determining device **42** to determine and send vehicle position information to the monitoring station **30**. In the unregistered mode, the controller **40** may activate the user registration reminder indicator **56** to encourage registration by the user.

The controller **40** may be switchable to the registered mode based upon an activation message from the monitoring station **30**. For example, when the registration payment has been received, the monitoring station can send one or more messages to the vehicle tracking unit **25** to stop activation of the registration reminder indicator **56**. The indicator **56** may be audible, visual or both. For example, the registration reminder indicator **56** could be a beeping sound generated by a small piezoelectric transducer every ten minutes or so when the ignition **65** is on.

In other words, the user registration reminder indicator **56** may provide a minor but irritating annoyance to the user to encourage registration. Upon successfully registering, the annoyance is abated. Accordingly, a relatively straightforward approach is provided to encourage user registration.

Along these lines, the controller **40** when in the unregistered mode may have reduced features compared to the registered mode. For example, the controller **40** when in the unregistered mode may be restricted or limited in sending messages with the wireless communications device **44**. Accordingly, usage of the wireless communications network may be reduced. Transmissions from the vehicle tracking unit **25** may also be beneficially suppressed during original installation, for example.

Returning again to features of the vehicle tracking unit **25** which facilitate installation, the controller **40** may send an alarm indication alert responsive to a continuous activation of the alarm indicator **67** for greater than a predetermined time. Alternately, or in addition thereto, the controller **40** may send an alarm indication alert responsive to a repetitive pattern of alarm indicator **67** activations. In other words, the controller may be configured to distinguish between normal operation of a vehicle horn by the driver, and activation of the horn by the security system **27**. As mentioned above, the controller **40** may also monitor signals of at least one of a first and second polarity. The controller **40** thus advantageously piggybacks off the alarm indication generated by the vehicle security system **27** to determine and send a vehicle alarm sounding alert to the monitoring station **30**.

In one variation, the controller **40** may monitor signals delivered directly to the vehicle alarm indicator by the vehicle security controller **28**. In another variation, the controller **40** monitors signals of voltage dips of the vehicle battery **61**. Circuitry is conventionally and readily available for both such functions, as will be readily appreciated by those skilled in the art.

The controller **40** may also include a dual polarity compatible output in the input/output circuitry **53** for a vehicle device, such as the vehicle alarm indicator **67**. The controller **40** may further monitor signals relating to activation of the vehicle alarm indicator **67** and send an alarm indication alert with position information from the vehicle position determining device and using the wireless communication device.

For the dual polarity output compatibility, the controller **40** may generate a first polarity output pulse followed by a second polarity output pulse. The controller **40** may also generate a repeating pattern of a first polarity output pulse followed by a second polarity output pulse on the dual polarity compatible output. In yet other embodiments, the controller **40** may sense an actual polarity of the device and thereafter use the actual polarity for the dual polarity compatible output.

Where the vehicle device is a vehicle horn, the controller **40** may typically be configured to generate a negative polarity output on the dual polarity compatible output. Conversely, wherein the vehicle device is a vehicle alarm indicator siren, the controller **40** may be configured to generate a positive polarity output on the dual polarity compatible output.

Another aspect of the vehicle tracking system **20** relates to conserving memory space and/or reducing transmission time over the communications network. In accordance with this advantageous feature, the controller **40** may determine the vehicle position information including a vehicle location and an associated stationary period for each occurrence of the vehicle remaining stationary for greater than a predetermined period. In one embodiment, the controller **40** may cooperate with the wireless transmission device **44** to send the vehicle position information to the monitoring station based upon each occurrence of the vehicle remaining stationary for greater than the predetermined period. In this embodiment, the monitoring station **30** may associate a time with each occurrence of the vehicle remaining stationary for greater

than the predetermined period. In other words, the monitoring station **30** may time stamp the received information.

In another embodiment, the controller **40** cooperates with the wireless transmission device **44** to send the vehicle position information to the monitoring station **30** for a plurality of occurrences of the vehicle remaining stationary for greater than the predetermined period. In this embodiment, the controller **40** may associate a time with each occurrence of the vehicle remaining stationary for greater than the predetermined period. In other words, the controller time stamps the position and stationary period information.

As an example, the predetermined time which determines whether the vehicle **21** is stationary and the position should be determined, may be less than about three minutes. This time may filter out vehicle stops in normal traffic, but which will keep track of stops where the driver likely leaves the vehicle **21**. Accordingly, only the important information necessary to track the vehicle need be stored and/or transmitted thereby reducing the system costs. If the vehicle **21** is stationary overnight, for example, unnecessary position information need not be determined, stored, and/or transmitted to the monitoring station **30**.

The controller **40** may comprise the memory **52** for storing the vehicle position information therein. In one configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined schedule. In another configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined event. In yet another configuration, the controller **40** downloads the vehicle position information from the memory **52** to the monitoring station **30** based upon a predetermined percentage of memory usage.

Having now described certain general features and advantages of the vehicle tracking system **20**, this description now turns to additional specific details which are provided as examples. In particular, vehicle tracking system **20** preferably implements one or more of the following features:

a. Detects the vehicle being stolen and transmits a signal to the monitoring station to contact up to 3 people, for example, predetermined by the user, of theft of the vehicle and then starts tracking the vehicle. The contact may be by one or more of the following: an e-mail message, a pager alert, a cellular telephone call, or other telephone call.

b. Detects an optional vehicle security or alarm system activation and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them the vehicle's alarm is being activated.

c. Detects an optional vehicle alarm system's remote PANIC activation and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of the vehicle's PANIC being activated.

d. Detects a vehicle being programmed to operate from an unauthorized remote transmitter, key transponder, other transponder, or other device that has a unique coding, and the vehicle unit transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of this occurrence. The system can also make available information relating to a number of such coded devices, or a change therein, or when a change occurred. A message can be sent to the user or the information can be available to the user on the website. The vehicle would be equipped with a security system as disclosed in U.S. Pat. No. 5,654,688, for example, which determines an unauthorized transmitter and provides an alert feature. This patent is incorporated herein in its entirety by reference.

e. Detects the vehicle traveling over a predetermined speed, such as for a predetermined time, and transmits a signal to the monitoring station to send a message, such as an e-mail informing the user (and/or others) of this occurrence. Of course, the message could also be sent via a telephone call or page, should additional urgency be required. The vehicle's predetermined maximum speed limit and duration thereof can be selected by the user.

f. Detects a low battery voltage such as for a predetermined time and transmits a signal to the monitoring station to contact up to 3 predetermined people to inform them of vehicle's low battery voltage. This is especially advantageous during winter so that the vehicle could be started, for example, to prevent a problem before it happens. The time setting is preferably selectable by the user.

g. Detects the vehicle not moving for a predetermined time and transmits a signal to the monitoring station to send, for example, a nightly e-mail informing the user of all the vehicle's location and stationary time occurrences. The stationary time length is also selectable. This may be advantageous to encourage patrolling personnel not to remain for a long time in a same location.

h. The vehicle unit preferably includes a back-up battery system making it more reliable.

The vehicle unit may be relatively inexpensive. In addition, the monitoring fee that includes sending up to 60 e-mails and making up to 6 phone calls per month, may also be relatively low. The relatively low monitoring fee is based, at least in part, on the current relatively low rates charged for use of the control channel of the cellular telephone network. It is also noted that access to the control channel provides coverage for almost the entire U.S., for example.

The user or subscriber also preferably has access to an Internet site that will display a map and silently contact the vehicle to acquire its current location, speed, direction of travel, and previous multiple locations with speeds, for example, the user's personal identification number (PIN) can be quickly activated by a telephone call. No additional installation may be required.

Certain annual pre-pay package arrangements may be available. For example, up to 10 access entries per month can be provided on a low monthly billing. Up to 30 access entries could be provided also for a relatively low monthly fee.

The present invention provides a number of other significant advantages including optional access from any phone or from any computer to access the monitoring station internet site. The user may control various vehicle functions remotely via the telephone or the internet site. The only charge may be for additional equipment and installation.

Additional features can also be included with the system and subscribed to by the user in accordance with the invention. For example, these include Hijack, Car Finding, Unlock Doors and Unauthorized Transmitter Alert Features. The equipment and installation is relatively inexpensive. For the hijack feature: from any phone or computer, the user may activate vehicle starter interrupt and sound the horn until the vehicle is retrieved (Command 4).

For the Car Finding feature: from any phone or computer, the user may activate the vehicle's horn, or siren and sound same for 30 seconds. This allows the user to find his vehicle in a crowded parking lot (Command 5).

For the Lock/Unlock vehicle doors feature: from any phone or computer a predetermined command (Command 7)

activates unlocking of vehicle doors to retrieve keys, for example, that may have been accidentally locked inside the vehicle. Of course, the system can also be used to lock vehicle doors if this was forgotten (Command 6). The unauthorized transmitter alert feature is similarly selected as described above.

In addition, a remote vehicle start feature may also be provided, such as to start the vehicle's engine to heat or cool the vehicle prior to entry. The equipment and installation for remote starting may be relatively low. Some further details of a specific embodiment of the vehicle tracking unit **25** are provided below as relating to use of red and green LED indicators as may be coupled to the controller **40** and operated thereby. Also various representative wires, designated by color, are provided as an example embodiment.

The red LED verifies the GPS receiving signal. With a yellow wire having positive 12 volts, the red LED blinking indicates searching GPS location, constant indicates found location, and off indicates no GPS signal found. With the yellow wire not having positive 12 volts, if the red LED is off, the LED is not functioning.

The green LED verifies receiving the cell tower signal. With the yellow wire having positive 12 volts, blinking indicates the cell control channel signal is detected, constant indicates sending a micro burst signal (LED stays on 5 seconds after each transmission), and off indicates no cell tower signal received. With the yellow wire not having positive 12 volts, off indicates the green LED is not functioning.

An example of representative DIP switch feature selection is as follows. A first switch may be used for adding the orange wire for controlling arm/disarming of the system. When on, the orange wire controls arm/disarm as follows: to arm, the orange wire is grounded and the yellow wire does not have 12 volts positive. To disarm, the orange wire is not grounded. When the first switch is off, then only the yellow wire controls arm/disarm as follows: to arm, the yellow wire is without 12 volts positive, and 30 seconds after continued arm mode then the orange wire activates a constant 500 ma grounded output to operate an external starter interrupt relay until the system is disarmed. To disarm, the yellow wire is connected to 12 volts positive.

A main 5-pin plug may be provided on the vehicle unit and connected as follows:

a. The Red Wire is connected to the 12 vdc power. An alert warning "E" is given if the system is armed and the battery voltage becomes lower than 11 volts for longer than ## minutes. This alert feature "E" will not operate again until the voltage is above 12 volts to re-set this feature.

b. The black wire is connected to ground.

c. The yellow wire is connected to the ignition 12 volts so that if the key is on, 12 volts is supplied thereto and if the key is off, the yellow wire is connected to ground. Further: if the system is in an armed mode and the Lat/Long changes, then Alert "A" is given. If the system is disarmed and within 2.5 seconds after the yellow wire receives 12 volts and the gray wire detects 3 or more positive pulses the system activates Alert "D". If the first DIP switch is in the off position then: if 12 volts is on yellow wire, the system is disarmed and the orange wire discontinues from the 500 ma ground, and if the yellow wire sees ground or neutral, then the system is armed and 30 seconds after the continued arm mode the orange wire activates a constant 500 ma grounded output to operate an external starter interrupt relay until the system is disarmed.

d. The gray wire is for input and output, and can be connected to an alarm siren or horn positive terminal. In addition:

i. With the system armed and if the gray wire detects +12 v pulsing on/off or on constant for more than 10 seconds from an alarm siren or horn honking activation, then alert warning "T" alarm activation is given.

ii. With system disarmed and if the gray wire detects +12 v pulsing on/off or on constant for more than 10 seconds from an alarm siren or horn honking activation, then alert warning "C" panic activation is given.

iii. With system disarmed and if the Gray wire detects 3 or more 12 volt positive pulses within 2.5 seconds of yellow wire receiving +12 v and the gray wire by-pass not being activated, then alert warning "D" is given.

iv. The gray wire bypass operates as follows:

1. After alert warning "B" bypass all future alert "B" signals until system is disarmed.

2. After alert warning "C" bypass all future alert "C" signals until system is armed.

3. After alert warning "D" bypass all future alert "D" signals until no 12 volt pulses are detected on the gray wire within 3 seconds of the yellow wire having 12 volts.

v. With the system armed or disarmed. The Output: Internal +12 v, 1 amp transistor with pulses 1 second on and 1 seconds off to activate siren or honk car horn or flashing light relay.

1. Non-stop activation from (Command "4")

2. 30-second activation from (Command "5")

vi. Turn off the above alert "A" from (Command "1").

i. The orange wire is for the starter interrupt and arm/disarm system, and operates as follows:

i. If first DIP switch is in the:

1. On position and: the orange wire has 12 volts or neutral, the system switches to the disarmed mode; the orange wire is grounded, then the system is switched to the armed mode; and the starter interrupt output will not automatically operate. It can only be activated from "Command 4"

2. Off position and the orange wire does not effect the arming or disarming of the system; 30 seconds after system arms the orange wire will automatically activate constant 500 ma ground until the system is disarmed. And from "command #4". Connect to Starter interrupt relay output.

ii. Command 4 activates Orange wire to have 500 ma. negative until Command 1 is received.

iii. After alert warning "B" is activated the first time it is thereafter bypassed while the orange wire remains grounded. Alert warning "B" is re-set to operate again 3 seconds after orange wire becomes ungrounded.

The vehicle unit may also include a Door Lock Plug configured as follows, for example. A green wire provides a 250 ma, negative 1 second pulse for Lock Doors. (Command "6"). A red wire provides a constant 12 v output from the red power wire. A blue wire provides a 250 ma., negative 1 second pulse for Unlock Doors (Command "7"). A pink wire provides a 250 ma., negative 1 second pulse for remote Car Starter (Command "2").

An installation test button may also be provided to work as follows. Pressing the button activates the orange wire for 10-seconds (starter interrupt), with these circuits in sequence. First, it activates the gray wire for 1-second (siren/horn). After the first stops, it activates the green wire for 1 second to lock the doors. After the second stops, it activates the blue

wire for 1 second to unlock the doors. After the third stops, it activates the pink wire for 1 second to activate an optional item.

Representative warning alerts are as follows:

a. Alert Warning "A" (FIG. **4**): Automatic activation of "Command 8" and the vehicle unit contacts monitoring station to instantly call 3 phone numbers with the message "Your vehicle is stolen please confirm then call 911 to advise police of website and your pin # so police can locate the vehicle". This is detected with the system armed and the GPS indicating movement. Bypasses all future alert warning "A" signals until the system is re-armed.

b. Alert Warning "B" (FIGS. **5A-5C**): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the following message "Vehicle alarm activated please confirm". This is with the system armed and detecting gray wire having 12 volts pulsing or on constant for longer than 10-seconds. After alert warning "B" is activated the first time, it is thereafter bypassed while the orange wire remains grounded. Alert warning "B" is re-set to operate again 3 seconds after orange wire becomes ungrounded.

c. Alert Warning "C" (FIG. **6**): the vehicle unit contacts the monitoring station to instantly send e-mail message "vehicle was traveling faster than your preset amount of "###" and time limit of "##" seconds. Indicates the vehicle speed and location that the speeding started and how long speeding accrued" (Detected from GPS). This aspect is further understood with reference to the enclosed flowchart **84** of FIG. **6**.

d. Alert Warning "D" (FIG. **7**): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the message "Unauthorized remote transmitter was just programmed to operate your vehicle." This is with the system disarmed and the Gray wire detecting three or more 12 volt pulses within 2.5 seconds of the yellow wire having seen 12 volts positive. All future alerts "D" are bypassed until no 12 volt pulses are detected on the gray wire within 3 seconds of the yellow wire seeing 12 volts. This aspect is further understood with reference to the enclosed flowchart **85** of FIG. **7**.

e. Alert Warning "E" (FIG. **8**): the vehicle unit contacts the monitoring station to instantly call 3 phone numbers with the message "Vehicle has low battery voltage and system has changed to low voltage mode". This is with the system armed and detecting the red wire with lower than 11 volts for ## minutes. All future alerts "E" are bypassed until, first, more than 13.5 volts are detected on the red wire and, second, after the yellow wire stops having positive voltage the red wire then must detect more than 12 volts.

The following are representative commands for use in the system:

Command 1: Reset all circuits and system remains asleep until the ignition key is turned on. Resets the triggered mode and unit is asleep to prevent power drain on vehicle battery.

Command 2: (Accessory activation) monitoring station Command to the system to activate Pink wire to pulse 250 ma negative for 1 second.

Command 3: (Vehicle Location) website to indicate present location and past events in memory.

Command 4: (Hijack or Stolen) monitoring station Command to vehicle system to activate:

iv. Gray wire to pulse 1 sec on/1 sec off with 1 amp positive output and which continues until receive command # 1.

v. Orange wire to have 500 ma ground and which continues until receive command # 1.

Command 5: (Car Find) monitoring station Command to system activating Gray wire for 30 seconds pulsing 1 sec on/1 sec off with 1 amp positive output.

Command 6: (Lock Doors) monitoring station Command to system activating Green wire to pulse 1 second with 250 ma negative.

Command 7: (Unlock Doors) monitoring station Command to system to activate Blue wire to pulse 1 second with 250 ma negative.

Command 8: (Start Constant Vehicle Tracking) sends previous 2 events in memory and then every 120 seconds get update of location information sent to the Web site.

The system is also operable in a battery saver mode which operates as follows:

i. With the ignition key off, if the battery voltage drops below 11.5 volts for more than 5 seconds, the GPS verification wakes up to look:

ii. Once instantly.

iii. Once in 1 hour if at the same location.

iv. Once in 6 hours if at the same location.

v. Once in 12 hours if at the same location.

vi. Once every 24 hours if at the same location.

vii. Activate alert "E" when the battery saver mode is activated, and bypass sending all future Alert "E" until the battery voltage goes above 13 volts for 10 minutes to reset this feature.

Another aspect of the invention relates to automatic vehicle alert e-mails sent containing some or all of the previous system events. This sending can be triggered as follows:

a. At a user selected predetermined time ## (01-24) of each day, or

b. At a predetermined memory fill level, such as full or near full.

In addition, each system event may contain one or more of the following:

a. Vehicle Location

b. Vehicle total time at location

c. Time of day

d. Mph traveling

e. Total time traveling above MPH

f. Direction traveling

g. Delta

h. Special Alert messages, if any, including:

i. GPS signal not received for longer than 5 minutes.

ii) Traveling above ###MPH for ## minutes.

iii) Vehicle is stolen.

iv) Alarm activated.

v) Unauthorized remote transmitter alert.

vi) Battery saver mode activated

vii) Command 1: Reset all circuits and system remains asleep until the ignition key is turned on.

viii) Command 2: (Accessory activation)

ix) Command 3: (Vehicle Location was retrieved)

x) Command 4: (Hijack or Stolen mode activated)

xi) Command 5: (Car Find mode activated)

xii) Command 6: (Locked Doors)

xiii) Command 7: (Unlocked Doors)

xiv) Command 8: (Started 2-second incremental Vehicle Tracking)

Another feature of the invention relates to the selectable threshold conditions causing an event to be recorded into the memory of the vehicle unit. For example, this may include: while the yellow wire has 12 volts, record events every "?" default 15 minutes time if the GPS location has changed. If the GPS location is the same then only update stationary total

time. If the GPS antenna is not receiving any signal then enter last known GPS location and with an indication that this was the last known GPS location before the GPS signal stopped, how long no GPS signal was received, and the GPS location in the on-hold file, when the vehicle is traveling above ### MPH for ##-minutes.

The monitoring station may also provide a number of automated phone calls as described above. These may include:

The user's vehicle has issued a stolen alert:

If vehicle is stolen, after receiving the phone message the user then calls 911 to advise police of the theft, and gives the police the website address and an identification number, such as the user's PIN, to allow the police to locate where your vehicle has been, where it is now and keep tracking it until the police can retrieve the vehicle.

If this is a false alert due to vehicle being towed away for service, for example, then the user may press "1" to put the vehicle in an off mode. Once the ignition key is turned on again the system will reset back to its normal operation mode.

The user's vehicle has issued an alarm activated for more than 10 seconds alert. The system will not respond to this alert again until ignition key is turned on again to reset this feature.

The vehicle battery voltage is low or has been disconnected. The tracking system is in low voltage mode. The system will not respond to this alert again until the battery voltage goes above 13 volts for 10 minutes to reset this feature.

The backup battery may be sized according to the GPS receiver and processing power draw. In addition, the battery may also be sized based upon estimated micro burst transmitting power draw. Such transmissions are typically at about 3 watts power to the antenna.

The system according to the invention including the vehicle unit and monitoring station provides a number of significant advantages and features. For example, the police may be directly contacted by the user when the vehicle is stolen. The user receives the telephone message from the monitoring station, and this is done without requiring the intervention of a manual security monitoring operator, such as an ADT operator, for example. In addition, once in the stolen mode, the vehicle unit will periodically continue to send out its location, so that the police may track the vehicle via the WEB, for example. This location sending feature may begin immediately, that is, without requiring the user to contact the vehicle to begin tracking. Having the vehicle contacting the monitoring station is considerably less expensive than other schemes where the vehicle is periodically polled via the cellular network, for example.

The system may also be interfaced to a breath alcohol sensor at the vehicle, for example, and this information recorded in memory. The information could be passed along to the monitoring station, which, in turn, could send out a notification message (e-mail or telephone) that the vehicle is being operated by a driver who may be impaired by alcohol. The vehicle's location could then be tracked to permit the police to detain the driver.

Another aspect of the unit is that it may be able to recognize the desirability to bypass certain security breach triggers or other events. For example, a car finding feature can be provided that will allow the user to sound the horn or siren when near the vehicle to help locate the vehicle, as in a crowded parking area. Without the bypass feature, the unit could recognize the horn or siren as a security breach and transmit such information to the monitoring center. In accordance with this aspect of the invention, the unit would recognize the car finding feature was activated and thereby bypass sending a security breach transmission, for example. Again, false alarms and unneeded usage and expense of the communications infrastructure would be avoided.

Yet another aspect of the invention relates to thwarting a would-be thief who attempts to disable the alarm by cutting the battery cable or power supplied to the system. The unit preferably includes a back-up battery. More particularly, upon being in an armed mode and sensing a breach of security, such as the hood opening, for example, the unit will send out a signal indicating the alarm or security breach and while the alarm is indicated, if the battery is disconnected then the unit will send out a message indicating the vehicle is stolen, and also providing the vehicle's current position. Accordingly, the would-be thief is not able to defeat the security system by quickly disrupting power to the unit during an alarm indication or security breach. Also, to prevent additional alerts, this message is prevented from being transmitted again until the user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts, indicating the vehicle has started using the owner's ignition key. This aspect is further understood with reference to the enclosed flowchart **80** (FIG. **4**).

Still another aspect of the invention relates to how the unit can discriminate between ordinary usage or honking of the horn as compared to a security system triggered alarm. Most vehicle security systems will provide a pattern of horn soundings as an alarm indication, and this can be determined and used to reduce false alarm transmissions from the unit. For example, the unit can look at the number of leading and trailing edges of the power pulse used to sound the horn. A single pressing of the horn switch by the user will cause two edges within a predetermined time, such as about 10 to 12 seconds. Accordingly, the unit can be configured to not send a security breach transmission to the control center based upon detecting two transitions. Since a number of vehicle security systems may have a continuous sounding of the horn within the predetermined time, the unit can send the transmission upon detecting only a single transition.

A number of other vehicle security systems provide a series of pulses or horn soundings within the predetermined time. Accordingly, the unit may also be configured to send a security breach transmission upon detecting greater than a predetermined number of transitions, such as greater than nine, for example. This number is also typically higher than a user would generate honking the horn several times within the predetermined time. In other terms, the number of transitions of the horn pulses can be counted, and if equal to one, or greater than nine, for example, the transmission is triggered, and otherwise the sounding of the horn is ignored. Also, to prevent additional alerts, this message is prevented from being transmitted again until the user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts, indicating the vehicle has started using the owner's ignition key. This aspect is further understood with reference to the enclosed flowcharts **81-83** (FIGS. **5A-5C**).

Yet another feature of the invention relates to a low vehicle battery alert. For example, the unit may monitor the battery voltage over a predetermined time such as ten minutes. The ten minute window prevents false tripping, for example, when the voltage dips during engine cranking. In particular, the voltage can be sensed and it can be determined whether it is greater than zero (e.g. greater than six volts) and less than a high value (e.g. eleven or twelve volts), and, if so, a low battery voltage transmission can be communicated to the monitoring station, and ultimately to the vehicle user when away from the vehicle. If the vehicle is being serviced and the battery is disconnected, this will cause the battery voltage to

be equal to zero. Then, the low battery voltage transmission will not be communicated to the monitoring station. Also, to prevent additional alerts, this message is prevented from being transmitted again until the user returns to the vehicle to disarm the system and/or turn on the ignition so that the unit sees a voltage above 13 volts, indicating the vehicle has started using the owner's ignition key. Again, false triggerings are reduced. This aspect is further understood with reference to the enclosed flowchart **86** (FIG. **8**).

Yet another advantageous feature of some embodiments of the invention relates to the ability to conserve electrical power. More particularly, when the vehicle is stopped and in the armed mode, the GPS receiver may be periodically operated to determine the vehicle position. If the vehicle position changes, this is indicative that the vehicle is being moved or stolen. For example, the GPS receiver may be operated to generate new vehicle position information every 20 seconds. These relatively quick successive position determinations or readings are generally termed hot start. These are relatively less complicated than a cold start position determination which takes longer, since the cold start position determination requires greater time to acquire and receive data from multiple satellites, as will be appreciated by those skilled in the art.

Unfortunately, this relatively high repeated usage of the GPS receiver may cause unnecessary battery drain, especially when the vehicle is left armed and unattended by the user for an extended period. Accordingly, the power conserving feature of the invention permits the GPS receiver to be turned off when the vehicle is in the armed mode, and the GPS receiver is turned on only when needed. For example, a vehicle sensor, such as a shock sensor, motion sensor, ignition sensor, door sensor, or other sensor, or combinations thereof could be used to start the GPS receiver. This sensor could also be used to trigger an alarm if desired; however it need not be so used in all embodiments. The GPS receiver, once turned on, could operate in the normal periodic fashion as described above, or for a fixed period of time. The GPS receiver could also be turned off again after some predetermined time if no further sensor signal is received, or if the position fails to change on subsequent position readings or determinations.

Yet another feature relates to permitting more colorful audible alert messages to be generated for the user. The user can, in some embodiments, access an internet site to type or enter the text for a message to be sent, such as to alert the user that his vehicle is being stolen. The audible message then communicated by a telephone call to the user is generated by a speech message synthesizer based upon the entered text. In accordance with this aspect of the invention, the user could type in phonetically spelled words or phrases, such as to create more colorful messages including slang terms, various accents, and/or to mimic various dialects, for example. The speech synthesizer would then generate the desired message customized for the user. Of course, the system could also permit the user to test or preview the pronunciation generated by the speech message synthesizer based on the entered text message prior to its adoption.

Another aspect relates to requesting GPS position information from a vehicle. If a command is sent downstream to the vehicle requesting that GPS information in turn be sent upstream from the vehicle, and the GPS information is not received within a predetermined time, such as about four minutes, then another command may be sent to the vehicle requesting the GPS information. This may keep repeating until GPS information is received, for a predetermined number of tries, or until a user instructs stopping of the requests. This helps to ensure and confirm the activation and reception of GPS tracking coordinates from the vehicle.

Yet another aspect relates to reducing a frequency with which GPS information is sent from the vehicle. More particularly, the unit may be configured to activate GPS information transmission upstream every 2 minutes. To reduce system usage expense and power consumption at the vehicle, this rate of transmission of GPS information could be progressively decreased over time. For example, in one embodiment, upon activation the GPS location signals could be sent every 2 minutes during the first hour, then once an hour for the next 23 hours, after which only one signal would be sent per day.

Turning now to the flowchart **87** of FIG. **9**, still another aspect relates to warning the user of an inoperable or malfunctioning GPS or cellular telephone section. More particularly, if the GPS or cellular telephone antenna wire is cut or the mounting position of either is changed causing the antenna to stop receiving the signal the user would not ordinarily know of this problem quickly. In accordance with one embodiment, if the ignition is turned on a predetermined number of times, such as about three, and each time ignition turns on if no GPS or no cell signal is received for a minimum time, such as about 15 to 30 minutes or longer, an audible warning beeper may be activated in the vehicle. This beeper may be sounded once every 15-minutes. At anytime if the GPS or cell signal is received properly then the system re-sets automatically stopping the beeper sound.

As an example, if the ignition key is turned on and no GPS or no Cell signal is being received for 15-minutes, and the vehicle ignition stays on for 45-minutes and there is still no GPS or no cell signal, the unit counts one. Thereafter, if the ignition key is turned on and no GPS or no cell signal is being received for 15-minutes, and the vehicle ignition stays on for 60-minutes and there is still no GPS or no cell signal, a second count is determined. Thereafter, if the ignition is turned on and no GPS or no cell signal is received for 10-minutes, and the vehicle ignition stays on for only 10-minutes and there is still no GPS or no cell signal, no count is determined. Thereafter, if the ignition is turned on and no GPS or no cell signal is being received for 15-minutes, a third count is determined and the beeper is activated as described above. This beeping may continue every 15-minutes while the vehicle ignition stays on as long as the vehicle ignition stays on for 16-minutes and still no GPS or no Cell signal is being received. If thereafter, the ignition is turned on and no GPS or no cell signal is being received, the beeper beeps once and again beeps once every 15-minutes while vehicle ignition stays on. If in 10-minutes both GPS or cell signal is being received, the beeper system is turned off and the warning count is reset.

By way of example, if the ignition key is turned on and no GPS or no cell signal is being received for only 5, 10 or 12 minutes (with the threshold set at 15 minutes), then no count is determined.

In certain circumstances, the GPS signal may fail, but the cell signal may still be working. Accordingly, it may be desirable to send an indication of the failure of the GPS signal to the central monitoring station to thereby alert the user as described above. If the cell signal also failed, or if the cell signal failed by itself, in other embodiments a separate paging device would transmit the failure or loss of the cell signal information to the central monitoring station, to thereby alert the user.

Yet another feature is directed to efficient use of a relatively small number of codes available to communicate with the tracking unit from the cellular network and central station.

More particularly, a typical arrangement may provide eight basic codes and two Awildcard@ codes. The two wildcard codes are reserved for future or other uses. A particular tracking device will respond directly to any of the eight basic codes. For example, the doors could be locked or unlocked, a present location downloaded from the vehicle, etc.

In accordance with this feature, the tracking device may respond differently to the same code or command depending upon the state or condition of the tracking device. For example, if an alarm is triggered at the vehicle, it may be desired that the tracking device continue to send the alarm signal until confirmation is received that the central monitoring station has received the alarm signal. This confirmation can be sent using the same code as may provide another function if the device were not indicating an alarm. Any of a number of such tracking device conditions may trigger a different message to be interpreted from the received code. For example, if any of the above Alerts A-E were triggered, the receipt of a predetermined code, such as code eight, would confirm receipt of the alert by the central station, and this receipt of code eight would not cause the other response (no alarm triggered) in the tracking device. Of course this concept can be extended to other features as will be appreciated by those skilled in the art.

In accordance with another feature, the rate of sending the location or position data (or change in position data) from the vehicle may be varied to reduce system usage and thereby reduce expenses. More particularly, in one embodiment, the rate of sending may be based upon how long the vehicle has remained stationary. This time period may be selected by the user. For example, the selected time may be in the range of 15 minutes to six hours. If the vehicle has been stationary for the selected time period, then the rate of transmission may be reduced. This reduces or eliminates the need to send home position data and send all the over 15-minute stops made that day. Otherwise, that is when the vehicle is moving, the device may send data at a faster rate. Of course, a system user would not likely be interested in quick updates, especially where the position information is not changing. Conversely, if the vehicle is being moved, it may be desirable to receive more frequent position updates.

Another variation of this transmission rate conservation feature bases the rate of transmission on the vehicle position. For example, a reduced rate of transmission may be selected if the vehicle is in a predetermined area where the user has a lesser interest in quickly updated position information. The user may also have a reduced interest in an area that can be defined outside of a predetermined distance from a reference point.

Yet another variation of the vehicle position transmission rate conservation feature is based upon the vehicle's speed, such as the vehicle's average or maximum speed, for example. Accordingly, if the vehicle is traveling above a preset speed, the rate of transmission may be increased.

In accordance with another aspect of the invention, the tracking device may send the alert indication a predetermined number of times without receiving an acknowledgment as described above, and then wait until the vehicle position has changed before trying again or the cell re-registers or its RSS (received signal strength) changes. Thus, power is conserved. When the vehicle has moved to a new position, any obstructions may no longer be present thereby increasing the likelihood of a successful communication. In addition, the change in position may be determined when the vehicle is sensed to be moving about a predetermined relatively small speed, such as greater than 1 mph, for example.

In all of the embodiments and variations described herein, the tracking device may communicate with one or more other vehicle devices via a vehicle data communications bus. Further aspects of interfacing with a vehicle data communications bus are described in U.S. Pat. Nos. 5,719,551 and 6,011,460 assigned to the assignee of the present invention, the entire contents of which are incorporated herein by reference.

Yet another aspect relates to efficient use of available codes on the cellular telephone control channel. In one particular example, ten codes may be available to be transmitted from the monitoring station to the vehicle trackers. The first eight or nine codes are command codes that will cause a specific action by the tracking device at the vehicle. The other one or two codes may be wildcard codes as mentioned above, that may set a stand-by mode for one or a group of vehicles, for example.

It may be desirable to provide more than eight commands at the vehicle responsive to the corresponding eight available codes. For example, it may be desirable to set a feature on or off, or to set a different feature setting or threshold. In accordance with this aspect of the invention, the commands at the tracker are determined based upon a series of different command codes being received within a predetermined time window.

For example, the monitoring station may send code 9 that switches the tracker in the car into a stand-by mode for a predetermined time and which causes the tracker to respond with an upstream confirmation code 7 or 9 indicating receiving code 9. During the predetermined time of the stand-by mode another code follows that causes a system programmable feature or setting to change. Note that the second code would otherwise cause a different function at the vehicle. Note that system might operate a function 9 if another code 1-9 is not received in the predetermined time. The following list is exemplary for features resulting from second codes 1-9:

Code 1—Tracker will turn off feature of upstream code caused by vehicle alert being detected.

Code 2—Tracker will turn on feature of upstream code caused by vehicle alert being detected.

Code 3—Tracker deactivates cell receiver from operating due to a non-paying customer for monitoring service. That phone number can then be allocated to another customer.

Code 4—Turn on audio buzzer feature that will sound once each 10 minutes. The monitoring station need only send the command to activate the feature, as the tracker will time the period and drive the buzzer thereafter. The monitoring station will normally not need to send this command because the tracker will be configured out of the box with this feature activated to sound the buzzer every 10 minutes until the next command is received.

Code 5—Turn off the audio buzzer. This is to be sent by the monitoring station after a user has successfully activated his account.

Code 6—Turn on the 80 mph speed limit reporting. This will normally not be sent as this feature will be the default setting of the tracker.

Code 7—a Turn off the 80 mph speed limit reporting.

Code 8—Increase speed limit 5 mph and increase the time 5 minutes.

Code 9—Decrease speed limit 5 mph and decrease the time 5 minutes, and wait 5 minutes if another code number follows. It could operate this way to allow another set of codes to change more features.

In this example, in response to the tracker receiving the system code 1-9, the tracker sends an upstream code 7 to acknowledge receipt of the system code 1-9. Upon receipt of code 9 the tracker waits up to 5 minutes to determine if

another system code is received. If no code is received, then the tracker performs the code 9 operation. Of course, in other embodiments other features or settings can be selected. In general, it may be preferred that the first code sent in a series of two codes, for example, be a code that causes only a minor function to be performed at the vehicle. This is so because if the second code is sent from the monitoring station, but not received at the tracker, only a minor function is performed. For example, the first code may switch between armed and disarmed modes. This is in contrast to using a remote engine starting code or engine shutdown code as the first code. The vehicle may be moving or positioned in a marginal reception area, and the second command may not be received by the tracker within the predetermined time window. As will be appreciated by those skilled in the art, this concept of multiple digit codes, can be extended beyond two digits to three or more.

To further conserve cellular transmissions and as described above, the tracker may be set to record a position based upon a determined event. Only this recorded position information may be downloaded either by user request or at set times. It is desired that such events be relatively few, but that the information still be helpful to the user.

For example, an event for recording of position may be determined based upon the vehicle being stopped for greater than a first time and less than a second time. For example, the first time may be 15 minutes and the second time may be 6 hours. Determination of the vehicle being stopped can be made based upon one or both of the GPS position or the vehicle ignition being turned off. The second time prevents the recording of position information when the vehicle is stopped at the owner's home during the evening, for example. Accordingly, the important information of the vehicle stops being made is recorded and made available to the user, while system communications resources are conserved.

In another example, if the mode is selected to send the vehicle's location every 10 min and the vehicle is in the same location for greater than a set time, then no more vehicle locations are sent until the vehicle location has changed to start the every 10 min reporting again.

Now referring to FIGS. **10** and **11**, in yet another embodiment the potential difficulties of interfacing to a vehicle data bus and devices connected thereto are further discussed. The multi-vehicle compatible tracking unit **110** is for a vehicle comprising a vehicle data bus **122** extending throughout the vehicle. The multi-vehicle compatible tracking unit **110** includes a vehicle position determining device **112**, a wireless communications device **113**, and a multi-vehicle compatible controller **111** for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The vehicle position determining device **112** may be provided by a GPS receiver, for example, or any of the other such devices described in detail above.

The wireless communications device **113** may be provided by a cellular telephone transceiver configured to operate on a control channel of the cellular network, or any of the other such devices described in detail above.

The multi-vehicle compatible controller **111** is coupled to the vehicle data bus **122** for communication therewith with a vehicle device **121**. The controller **111** illustratively includes a central processing unit (CPU) **126** or other logic circuitry which is connected to a clock signal generator **124**, a memory **125**, and input/output circuitry **127** to interface with the vehicle device **121** using at least one corresponding vehicle device code from among a plurality thereof for different vehicles. The corresponding vehicle code may be for reading from the vehicle device **121**. Similarly, the corresponding vehicle code may be additionally or alternatively for writing to the vehicle device **121**.

The multi-vehicle compatible tracking unit **110** also illustratively includes a downloading interface **116** for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller **111**. The enabling data may be the vehicle device code or codes, an instruction to select a code or codes from among those already stored, or the data or sequence to allow the controller **111** to generate the vehicle device code or codes, for example.

In the embodiment as shown in FIG. **11**, the downloading interface **116** is a category of wireless signal downloading interfaces that illustratively include a wireless receiver **114**, such as for temporary connection to the downloading device **115**. The wireless downloading interface **116** may communicate with the downloading device **115** via any one or more of a number of wireless technologies, such as cellular, satellite, IR, Bluetooth or WiFi technologies for example, as will also be appreciated by those skilled in the art. Interface circuitry **132** is included in the wireless signal downloading interface **116** for controlling communication with the downloading device **115**. The interface circuitry **132** may be logic circuitry or other control circuitry along with switching components.

In other embodiments, for example as shown in FIG. **12**, the wireless downloading interface **116'** does not include the wireless receiver **114**, as a temporary wireless communication link is instead provided by sharing the wireless communications device **113** that sends position data as described above.

The downloading interface may also be in the form of a wired signal downloading interface **116"** as shown in FIG. **13**. The wired signal downloading interface **116"** comprises a connector **133***a* for temporary connection to a downloading device **115"** with a mating connector **133***b*. Interface circuitry **132"** is provided for controlling communication with the downloading device **115"**. The wired downloading interface **116"** may connect directly to a downloading device **115"**, such as a laptop computer, via RS232/429 protocol, USB, FireWire, TCP/IP (Internet), or any other wired protocol as will be appreciated by those skilled in the art. The connector **133***a* of the wired downloading interface **116"** may alternatively be in the form of a socket to accept a memory card or other data storage medium capable of transferring data. The downloading interfaces **116**, **116'** and **116"**, may also advantageously be for permitting downloading of programming instructions for the multi-vehicle compatible controller **111**, to allow remote programming, for example, as will also be appreciated by those skilled in the art.

Referring again briefly to FIG. **10**, the multi-vehicle compatible tracking unit **110** further comprises a remote transmitter **117**, such as typically in the form of a small handheld device to be carried by a user when away from the vehicle. The multi-vehicle compatible controller **111** also performs at least one vehicle remote control function responsive to the remote transmitter **117**. The remote transmitter **117** illustratively communicates with the remote receiver **118**, which is coupled to the multi-vehicle compatible controller **111**. The vehicle remote control functions may include a vehicle security function, a remote keyless entry function, and a remote engine starting function, for example, implemented via the data bus **122** using one or more vehicle devices **121**. Such a vehicle device **121** may also include another vehicle controller, as well as a sensor, or actuator as will be appreciated by those skilled in the art.

The multi-vehicle compatible tracking unit **110** illustratively includes a common housing **123** for its various components. In other embodiments, more than one housing may be used for the various components.

Referring additionally to FIGS. **14** and **15**, several methods for using a multi-vehicle compatible tracking unit **110** for a vehicle comprising a vehicle data bus **122** extending throughout the vehicle are described with reference to the respective flowcharts **148**, **148'**. Beginning at Block **150**, the multi-vehicle compatible tracking unit **110** is installed in vehicle (Block **151**). At Block **152** a connection is then established between the multi-vehicle compatible tracking unit **110** and a downloading device **115** using a downloading interface **116**. Enabling data related to at least one corresponding vehicle device code for use by the multi-vehicle compatible controller **111** is downloaded via a downloading interface **116** (Block **153**). Once the enabling data is downloaded, the connection between the multi-vehicle tracking unit **110** and the downloading device **115** is terminated at Block **154**. Of course the multi-vehicle compatible tracking unit **110** may be optionally programmed via the downloading interface while the connection is established. The operation of the tracking unit may be tested at Block **155** before stopping at Block **156**. With particular reference to the flowchart **148'** of FIG. **15**, the multi-vehicle compatible tracking unit **110** may be connected to the downloading device **115** (Block **152'**), etc., before installation in the vehicle (Block **151'**) and testing (Block **155'**).

Other features relating to vehicle control systems are disclosed in copending patent applications entitled VEHICLE TRACKER INCLUDING STATIONARY TIME DETERMINATION AND ASSOCIATED METHODS, Ser. No. 09/859,727 filed May 17, 2001, now U.S. Pat. No. 6,512,465; VEHICLE TRACKER CONSERVING CODES AND RELATED METHODS, Ser. No. 09/859,673 filed May 17, 2001, now U.S. Pat. No. 6,522,267; VEHICLE TRACKER WITH POWER SAVING FEATURES AND RELATED METHODS, Ser. No. 09/859,728 filed May 17, 2001, now U.S. Pat. No. 6,512,466; VEHICLE TRACKER COOPERATING WITH A STARTER INTERRUPT AND RELATED METHODS, Ser. No. 09/859,973 filed May 17, 2001; VEHICLE TRACKER WITH USER NOTIFICATIONS AND ASSOCIATED METHODS, Ser. No. 09/859,733 filed May 17, 2001, now U.S. Pat. No. 6,509,868; VEHICLE TRACKER WITH USER REGISTRATION REMINDER AND RELATED METHODS, Ser. No. 09/859,971 filed May 17, 2001, now U.S. Pat. No. 6,507,786; VEHICLE TRACKER INCLUDING INPUT/OUTPUT FEATURES AND RELATED METHODS, Ser. No. 09/859,972 filed May 17, 2001, now U.S. Pat. No. 6,606,561; and VEHICLE TRACKER WITH TEST FEATURES AND RELATED METHODS, Ser. No. 09/859,729 filed May 17, 2001, now U.S. Pat. No. 6,809,659, the entire disclosures of which are incorporated herein by reference.

Many modifications and other embodiments of the invention will come to the mind of one skilled in the art having the benefit of the teachings presented in the foregoing descriptions and the associated drawings. Accordingly, it is understood that the invention is not to be limited to the embodiments disclosed, and that other modifications and embodiments are intended to be included within the spirit and scope of the appended claims.

That which is claimed is:

1. A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible tracking unit comprising:

a vehicle position determining device;

a wireless communications device;

a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information;

said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles; and

a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller.

2. The multi-vehicle compatible tracking unit according to claim **1** wherein said downloading interface comprises a wired signal downloading interface.

3. The multi-vehicle compatible tracking unit according to claim **2** wherein said wired signal downloading interface comprises a connector for temporary connection to a downloading device.

4. The multi-vehicle compatible tracking unit according to claim **1** wherein said downloading interface comprises a wireless signal downloading interface.

5. The multi-vehicle compatible tracking unit according to claim **4** wherein said wireless signal downloading interface comprises a wireless receiver for temporary connection to a downloading device.

6. The multi-vehicle compatible tracking unit according to claim **1** wherein the corresponding at least one vehicle code is for reading from the at least one vehicle device.

7. The multi-vehicle compatible tracking unit according to claim **1** wherein the corresponding at least one vehicle code is for writing to the at least one vehicle device.

8. The multi-vehicle compatible tracking unit according to claim **1** wherein said downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller.

9. The multi-vehicle compatible tracking unit according to claim **1** further comprising a remote transmitter; and wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.

10. The multi-vehicle compatible tracking unit according to claim **9** wherein the at least one vehicle remote control function comprises at least one of a vehicle security function, a remote keyless entry function, and a remote engine starting function.

11. The multi-vehicle compatible tracking unit according to claim **1** wherein said wireless position determining device comprises a Global Positioning System (GPS) receiver.

12. The multi-vehicle compatible tracking unit according to claim **1** further comprising a housing containing said vehicle position determining device, said wireless communications device, said multi-vehicle compatible controller, and said downloading interface.

13. A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible vehicle tracking unit comprising:

a vehicle position determining device;

a wireless communications device;

a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information;

said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles; and

a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller;

said downloading interface comprising a connector for temporary connection to a downloading device.

14. The multi-vehicle compatible tracking unit according to claim **13** wherein the corresponding at least one vehicle code is for reading from the at least one vehicle device.

15. The multi-vehicle compatible tracking unit according to claim **13** wherein the corresponding at least one vehicle code is for writing to the at least one vehicle device.

16. The multi-vehicle compatible tracking unit according to claim **13** wherein said downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller.

17. The multi-vehicle compatible tracking unit according to claim **13** further comprising a remote transmitter; and wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.

18. A multi-vehicle compatible tracking unit for a vehicle comprising a vehicle data bus extending throughout the vehicle, the multi-vehicle compatible vehicle tracking unit comprising:

a vehicle position determining device;

a wireless communications device;

a multi-vehicle compatible controller for cooperating with said vehicle position determining device and said wireless communications device to send vehicle position information;

said multi-vehicle compatible controller to be coupled to the vehicle data bus for communication thereover with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles; and

a downloading interface for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by said multi-vehicle compatible controller;

said downloading interface comprising a wireless receiver for temporary connection to a downloading device.

19. The multi-vehicle compatible tracking unit according to claim **18** wherein the corresponding at least one vehicle code is for reading from the at least one vehicle device.

20. The multi-vehicle compatible tracking unit according to claim **18** wherein the corresponding at least one vehicle code is for writing to the at least one vehicle device.

21. The multi-vehicle compatible tracking unit according to claim **18** wherein said downloading interface is also for permitting downloading of at least one programming instruction for said multi-vehicle compatible controller.

22. The multi-vehicle compatible tracking unit according to claim **18** further comprising a remote transmitter; and wherein said multi-vehicle compatible controller also performs at least one vehicle remote control function responsive to said remote transmitter.

* * * * *

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United States Patent

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(45) Certificate Issued: Dec. 28, 2016

(54) **VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS**

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Related U.S. Application Data

(63) Continuation-in-part of application No. 11/076,259, filed on Mar. 9, 2005, now Pat. No. 7,720,597, which is a continuation of application No. 10/383,496, filed on Mar. 7, 2003, now Pat. No. 7,149,623, which is a continuation of application No. 09/859,972, filed on May 17, 2001, now Pat. No. 6,606,561.

(60) Provisional application No. 60/264,811, filed on Jan. 29, 2001, provisional application No. 60/258,005, filed on Dec. 22, 2000, provisional application No. 60/251,552, filed on Dec. 6, 2000, provisional application No. 60/252,125, filed on Nov. 20, 2000, provisional application No. 60/236,890, filed on Sep. 29, 2000, provisional application No. 60/246,463, filed on Nov. 7, 2000, provisional application No. 60/222,777, filed on Aug. 3, 2000, provisional application No. 60/205,178, filed on May 17, 2000.

(51) **Int. Cl.**

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B60R 25/102	(2013.01)
B60R 25/104	(2013.01)
G08G 1/00	(2006.01)
B60R 25/045	(2013.01)
G08G 1/127	(2006.01)
B60R 25/33	(2013.01)

(52) **U.S. Cl.**
CPC ***B60R 25/04*** (2013.01); ***B60R 25/045*** (2013.01); ***B60R 25/102*** (2013.01); ***B60R 25/104*** (2013.01); ***B60R 25/33*** (2013.01); ***G07C 5/008*** (2013.01); ***G08G 1/127*** (2013.01); ***G08G 1/20*** (2013.01); ***G08G 1/205*** (2013.01); *B60R 2325/202* (2013.01); *B60R 2325/203* (2013.01); *B60W 2550/402* (2013.01)

(58) **Field of Classification Search**
CPC B60R 25/04
See application file for complete search history.

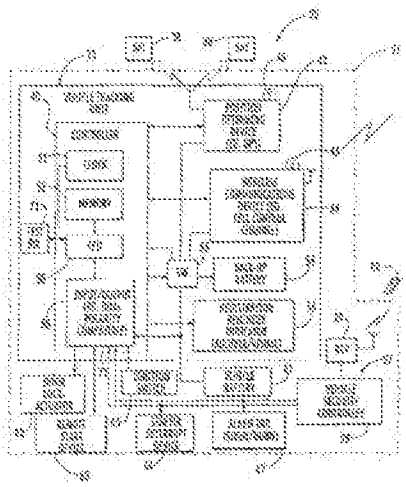
(56) **References Cited**

To view the complete listing of prior art documents cited during the proceedings for Reexamination Control Numbers 90/013,587, please refer to the USPTO's public Patent Application Information Retrieval (PAIR) system under the Display References tab.

Primary Examiner — Matthew C Graham

(57) **ABSTRACT**

A multi-vehicle compatible tracking unit is for a vehicle including a vehicle data bus extending throughout the vehicle. The vehicle tracking unit may include a vehicle position determining device, a wireless communications device, and a multi-vehicle compatible controller for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The multi-vehicle compatible controller may be coupled to the vehicle data bus for communication therewith with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles. A downloading interface may be included for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller.



EX PARTE REEXAMINATION CERTIFICATE

NO AMENDMENTS HAVE BEEN MADE TO THE PATENT

AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT:

The patentability of claims 1-22 is confirmed.

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US008032278C2

(12) EX PARTE REEXAMINATION CERTIFICATE (11454th)

United States Patent
Flick

(10) **Number: US 8,032,278 C2**
(45) **Certificate Issued: Feb. 6, 2019**

(54) **VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS**

(75) Inventor: **Kenneth E. Flick**, Douglasville, GA (US)

(73) Assignee: **OMEGA PATENTS, L.L.C.**, Douglasville, GA (US)

Reexamination Request:
No. 90/013,851, Oct. 28, 2016

Reexamination Certificate for:

Patent No.:	**8,032,278**
Issued:	**Oct. 4, 2011**
Appl. No.:	**11/773,272**
Filed:	**Jul. 3, 2007**

Reexamination Certificate C1 8,032,278 issued Dec. 28, 2016

Related U.S. Application Data

(63) Continuation-in-part of application No. 11/076,259, filed on Mar. 9, 2005, now Pat. No. 7,720,597, which is a continuation of application No. 10/383,496, filed on Mar. 7, 2003, now Pat. No. 7,149,623, which is a continuation of application No. 09/859,972, filed on May 17, 2001, now Pat. No. 6,606,561.

(60) Provisional application No. 60/264,811, filed on Jan. 29, 2001, provisional application No. 60/258,005, filed on Dec. 22, 2000, provisional application No. 60/251,552, filed on Dec. 6, 2000, provisional application No. 60/252,125, filed on Nov. 20, 2000, provisional application No. 60/236,890, filed on Sep. 29, 2000, provisional application No. 60/246,463, filed on Nov. 7, 2000, provisional application No. 60/222,777, filed on Aug. 3, 2000, provisional application No. 60/205,178, filed on May 17, 2000.

(51) **Int. Cl.**

G01C 21/00	(2006.01)
H03F 3/45	(2006.01)
B60R 25/045	(2013.01)
G08G 1/127	(2006.01)
B60R 25/04	(2013.01)
G07C 5/00	(2006.01)
B60R 25/104	(2013.01)
B60R 25/33	(2013.01)
B60R 25/102	(2013.01)
G08G 1/00	(2006.01)

(52) **U.S. Cl.**
CPC ***H03F 3/45*** (2013.01); ***B60R 25/04*** (2013.01); ***B60R 25/045*** (2013.01); ***B60R 25/102*** (2013.01); ***B60R 25/104*** (2013.01); ***B60R 25/33*** (2013.01); ***G07C 5/008*** (2013.01); ***G08G 1/127*** (2013.01); ***G08G 1/20*** (2013.01); ***G08G 1/205*** (2013.01); *B60R 2325/202* (2013.01); *B60R 2325/205* (2013.01); *B60W 2550/402* (2013.01)

(58) **Field of Classification Search**
None
See application file for complete search history.

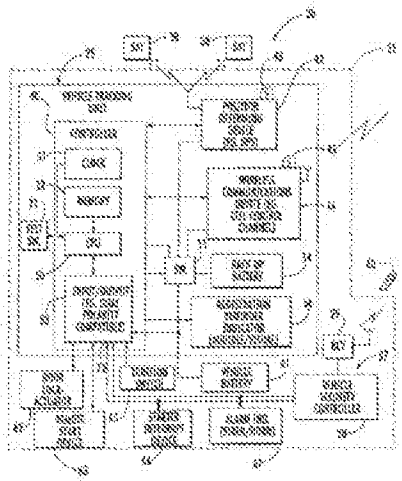
(56) **References Cited**

To view the complete listing of prior art documents cited during the proceeding for Reexamination Control Number 90/013,851, please refer to the USPTO's public Patent Application Information Retrieval (PAIR) system under the Display References tab.

Primary Examiner — Karin Reichle

(57) **ABSTRACT**

A multi-vehicle compatible tracking unit is for a vehicle including a vehicle data bus extending throughout the vehicle. The vehicle tracking unit may include a vehicle position determining device, a wireless communications device, and a multi-vehicle compatible controller for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The multi-vehicle compatible controller may be coupled to the vehicle data bus for communication therewith with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles. A downloading interface may be included for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller.



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US008032278C2

(12) EX PARTE REEXAMINATION CERTIFICATE (11454th)

United States Patent

Flick

(10) Number: US 8,032,278 C2

(45) Certificate Issued: Feb. 6, 2019

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(75) Inventor: **Kenneth E. Flick**, Douglasville, GA (US)

(73) Assignee: **OMEGA PATENTS, L.L.C.**, Douglasville, GA (US)

Reexamination Request:
No. 90/013,851, Oct. 28, 2016

Reexamination Certificate for:

Patent No.:	**8,032,278**
Issued:	**Oct. 4, 2011**
Appl. No.:	**11/773,272**
Filed:	**Jul. 3, 2007**

Reexamination Certificate C1 8,032,278 issued Dec. 28, 2016

Related U.S. Application Data

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(51) **Int. Cl.**

G01C 21/00	(2006.01)
H03F 3/45	(2006.01)
B60R 25/045	(2013.01)
G08G 1/127	(2006.01)
B60R 25/04	(2013.01)
G07C 5/00	(2006.01)
B60R 25/104	(2013.01)
B60R 25/33	(2013.01)
B60R 25/102	(2013.01)
G08G 1/00	(2006.01)

(52) **U.S. Cl.**

CPC ***H03F 3/45*** (2013.01); ***B60R 25/04*** (2013.01); ***B60R 25/045*** (2013.01); ***B60R 25/102*** (2013.01); ***B60R 25/104*** (2013.01); ***B60R 25/33*** (2013.01); ***G07C 5/008*** (2013.01); ***G08G 1/127*** (2013.01); ***G08G 1/20*** (2013.01); ***G08G 1/205*** (2013.01); *B60R 2325/202* (2013.01); *B60R 2325/205* (2013.01); *B60W 2550/402* (2013.01)

(58) **Field of Classification Search**

None

See application file for complete search history.

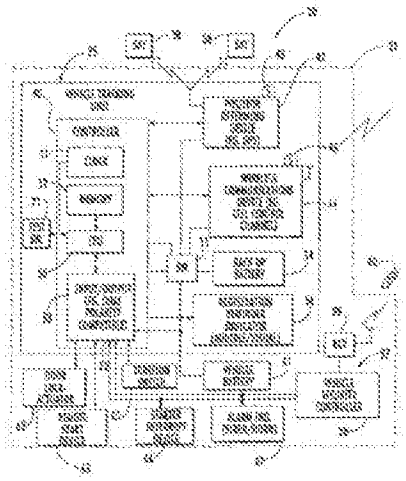
(56) **References Cited**

To view the complete listing of prior art documents cited during the proceeding for Reexamination Control Number 90/013,851, please refer to the USPTO's public Patent Application Information Retrieval (PAIR) system under the Display References tab.

Primary Examiner — Karin Reichle

(57) **ABSTRACT**

A multi-vehicle compatible tracking unit is for a vehicle including a vehicle data bus extending throughout the vehicle. The vehicle tracking unit may include a vehicle position determining device, a wireless communications device, and a multi-vehicle compatible controller for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The multi-vehicle compatible controller may be coupled to the vehicle data bus for communication therewith with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles. A downloading interface may be included for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller.



EX PARTE REEXAMINATION CERTIFICATE

NO AMENDMENTS HAVE BEEN MADE TO THE PATENT

AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT:

The patentability of claims 1-22 is confirmed.

* * * * *

US008032278C1

(12) EX PARTE REEXAMINATION CERTIFICATE (11018th)

United States Patent

Flick

(10) Number: US 8,032,278 C1

(45) Certificate Issued: Dec. 28, 2016

(54) **VEHICLE TRACKING UNIT WITH DOWNLOADABLE CODES AND ASSOCIATED METHODS**

(75) Inventor: **Kenneth E. Flick**, Douglasville, GA (US)

(73) Assignee: **OMEGA PATENTS, L.L.C.**, Douglasville, GA (US)

Reexamination Request:
No. 90/013,587, Sep. 14, 2015

Reexamination Certificate for:

Patent No.:	**8,032,278**
Issued:	**Oct. 4, 2011**
Appl. No.:	**11/773,272**
Filed:	**Jul. 3, 2007**

Related U.S. Application Data

(63) Continuation-in-part of application No. 11/076,259, filed on Mar. 9, 2005, now Pat. No. 7,720,597, which is a continuation of application No. 10/383,496, filed on Mar. 7, 2003, now Pat. No. 7,149,623, which is a continuation of application No. 09/859,972, filed on May 17, 2001, now Pat. No. 6,606,561.

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(51) **Int. Cl.**

G01C 21/00	(2006.01)
B60R 25/04	(2013.01)
G07C 5/00	(2006.01)
B60R 25/102	(2013.01)
B60R 25/104	(2013.01)
G08G 1/00	(2006.01)
B60R 25/045	(2013.01)
G08G 1/127	(2006.01)
B60R 25/33	(2013.01)

(52) **U.S. Cl.**
CPC ***B60R 25/04*** (2013.01); ***B60R 25/045*** (2013.01); ***B60R 25/102*** (2013.01); ***B60R 25/104*** (2013.01); ***B60R 25/33*** (2013.01); ***G07C 5/008*** (2013.01); ***G08G 1/127*** (2013.01); ***G08G 1/20*** (2013.01); ***G08G 1/205*** (2013.01); *B60R 2325/202* (2013.01); *B60R 2325/205* (2013.01); *B60W 2550/402* (2013.01)

(58) **Field of Classification Search**
CPC B60R 25/04
See application file for complete search history.

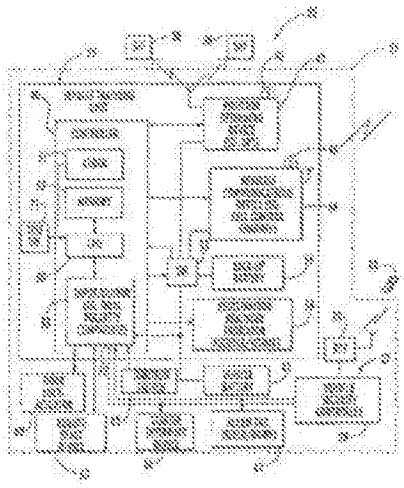
(56) **References Cited**

To view the complete listing of prior art documents cited during the proceedings for Reexamination Control Numbers 90/013,587, please refer to the USPTO's public Patent Application Information Retrieval (PAIR) system under the Display References tab.

Primary Examiner — Matthew C Graham

(57) **ABSTRACT**

A multi-vehicle compatible tracking unit is for a vehicle including a vehicle data bus extending throughout the vehicle. The vehicle tracking unit may include a vehicle position determining device, a wireless communications device, and a multi-vehicle compatible controller for cooperating with the vehicle position determining device and the wireless communications device to send vehicle position information. The multi-vehicle compatible controller may be coupled to the vehicle data bus for communication therewith with at least one vehicle device using at least one corresponding vehicle device code from among a plurality thereof for different vehicles. A downloading interface may be included for permitting downloading of enabling data related to the at least one corresponding vehicle device code for use by the multi-vehicle compatible controller.



EX PARTE REEXAMINATION CERTIFICATE

NO AMENDMENTS HAVE BEEN MADE TO THE PATENT

AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT:

The patentability of claims 1-22 is confirmed.

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Doc Code: IDS
Document Description: Information Disclosure Statement filed

PTO/SB/42 (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE
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37 CFR 1.501 INFORMATION DISCLOSURE CITATION IN A PATENT

(Sheet 1 of 3)

Docket Number (Optional)	Patent Number
C13-03896.RE3	8,032,278
Applicant: Kenneth E. Flick	
Issue Date: October 4, 2011	Art Unit: 3661

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6430164 B1	2002-08-06	Jones et al.	370	313	1999-11-01
	6606561 B2	2003-08-12	Flick	701	213	2001-05-17
	7149623 B2	2006-12-12	Flick	701	207	2003-03-07
	7720597 B2	2010-05-18	Flick	701	207	2005-03-09
	8032278 B2	2011-10-04	Flick	701	036	2007-07-03
	8032278 C1	2016-12-28	Flick	701	036	2015-09-14
	8032278 C2	2019-02-06	Flick	701	036	2016-10-28

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		CellPort Delivers Wireless, Vehicle-Based Applications Platform; Announces CP2100 Mobile Network Server, CellPort Labs, Inc., July 26, 1999.
		FLICK, U.S. Provisional Application No. 60/205,178, filed May 17, 2000.
		FLICK, U.S. Provisional Application No. 60/222,777, filed August 3, 2000.
		FLICK, U.S. Provisional Application No. 60,236,890, filed September 29, 2000.
		FLICK, U.S. Provisional Application No. 60/252,125, filed November 20, 2000.
		FLICK, U.S. Provisional Application No. 60/251,552, filed December 6, 2000.

EXAMINER	DATE CONSIDERED

This collection of information is required by 37 CFR 1.501. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc Code: IDS
Document Description: Information Disclosure Statement filed

PTO/SB/42 (07-09)
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37 CFR 1.501 INFORMATION DISCLOSURE CITATION IN A PATENT

(Sheet 2 of 3)

Docket Number (Optional)	Patent Number
C13-03896.RE3	8,032,278
Applicant: Kenneth E. Flick	
Issue Date: October 4, 2011	Art Unit: 3661

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		FLICK, U.S. Provisional Application No. 60/258,005, filed December 22, 2000.
		FLICK, U.S. Provisional Application No. 60,264,811, filed January 29, 2001.
		OMEGA PATENTS, LLC v. CALAMP CORP., 18-1309 (Fed. Cir. 2019)
		SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual, SAE HS-3000, Society of Automotive Engineers, Inc., 1994.
		SAE On-Board Diagnostics for Light and Medium Duty Vehicles Standards Manual, SAE HS-3000, Society of Automotive Engineers, Inc., 1997.
		SPELT ET AL., A Demonstration Project for the ITS Data Bus Prototype, ISBN: 0-7803-5086-3, pp. I22/1 - I22/6, 1998

EXAMINER	DATE CONSIDERED

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	Applicant Kenneth E. Flick	
	Issue Date October 4, 2011	Art Unit 3661

U.S. PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		WITHAM ET AL., U.S. Provisional Application No. 60/246,463, filed November 7, 2000.
		WRIGHT, Prep for a Multimedia Future, Auto Electronics, pp. 78-88, August 19, 1999.

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