

**TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE
REGISTERED PRACTITIONERS**

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B or equivalent) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5. If the Power of Attorney by Applicant form is not accompanied by this transmittal form or an equivalent, the Power of Attorney will not be recognized in the application.

Application Number			
Filing Date			
First Named Inventor	Christopher Joseph Demeniuk		
Title	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		
Art Unit			
Examiner Name			
Attorney Docket Number	83355966		
SIGNATURE of Applicant or Patent Practitioner			
Signature	/Marco J. Gatti/	Date	March 15, 2013
Name	Marco J. Gatti	Telephone	248-358-4400
Registration Number	70959		
NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d)			
* Total of <u>1</u> Power of Attorney forms are attached			

POWER OF ATTORNEY BY APPLICANT

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

- ☒ I hereby appoint 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 equivalent):

28395

OR

- ☐ I hereby appoint Practitioner(s) named below 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 equivalent):

Name	Registration Number	Name	Registration Number

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

- ☒ The address associated with the above-mentioned Customer Number.

OR

- ☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant:

- ☐ Inventor or Joint Inventor
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor
- ☒ Assignee or Person to Whom the Inventor is Under an Obligation to Assign
- ☐ 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)

SIGNATURE of Applicant for Patent

Signature

Date

Name

Telephone

Title and Company

Secretary, Ford Global Technologies, LLC

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. Submit multiple forms for more than one signature, see below *.

- ☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. 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 1.11 and 1.14. This collection is estimated to take 3 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: 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.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor	Christopher Joseph Demeniuk	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	83355966	

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	7026957	B2	2006-04-11	Rubenstein	
	2	7266435	B2	2007-09-04	Wang et al.	
	3	7489786	B2	2009-02-10	Marlowe	
	4	8180379	B2	2012-05-15	Forstall et al.	
	5	7523679	B2	2009-04-28	Hawes et al.	
If you wish to add additional U.S. Patent citation information please click the Add button.						Add
U.S.PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20040260438	A1	2004-12-23	Chernetsky et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Christopher Joseph Demeniuk	
Art Unit		
Examiner Name		
Attorney Docket Number	83355966	

2	20070124043	A1	2007-05-31	Ayoub et al.	
3	20090075624	A1	2009-03-19	Cox et al.	
4	20120079002	A1	2012-03-29	Boll et al.	
5	20060138308	A1	2006-06-29	Davis et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button. **Add**

FOREIGN PATENT DOCUMENTS

Remove

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							☐

If you wish to add additional Foreign Patent Document citation information please click the Add button **Add**

NON-PATENT LITERATURE DOCUMENTS

Remove

Examiner Initials*	Cite No	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, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1		☐

If you wish to add additional non-patent literature document citation information please click the Add button **Add**

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

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

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Christopher Joseph Demeniuk	
Art Unit		
Examiner Name		
Attorney Docket Number	83355966	

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Christopher Joseph Demeniuk
Art Unit	
Examiner Name	
Attorney Docket Number	83355966

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Marco J. Gatti/	Date (YYYY-MM-DD)	2013-03-15
Name/Print	Marco J. Gatti	Registration Number	70959

This collection of information is required by 37 CFR 1.97 and 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 1 hour 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.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

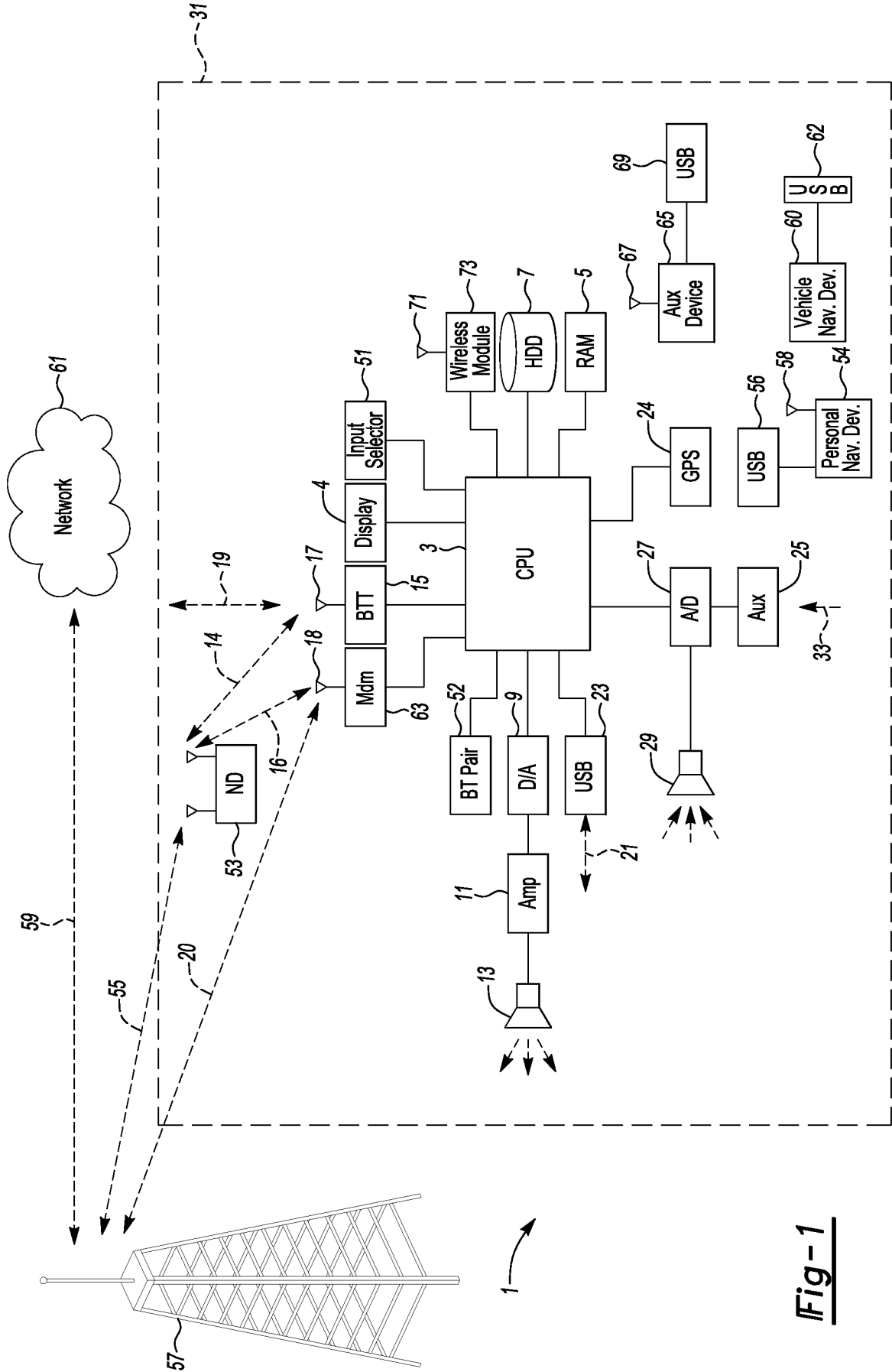


Fig-1

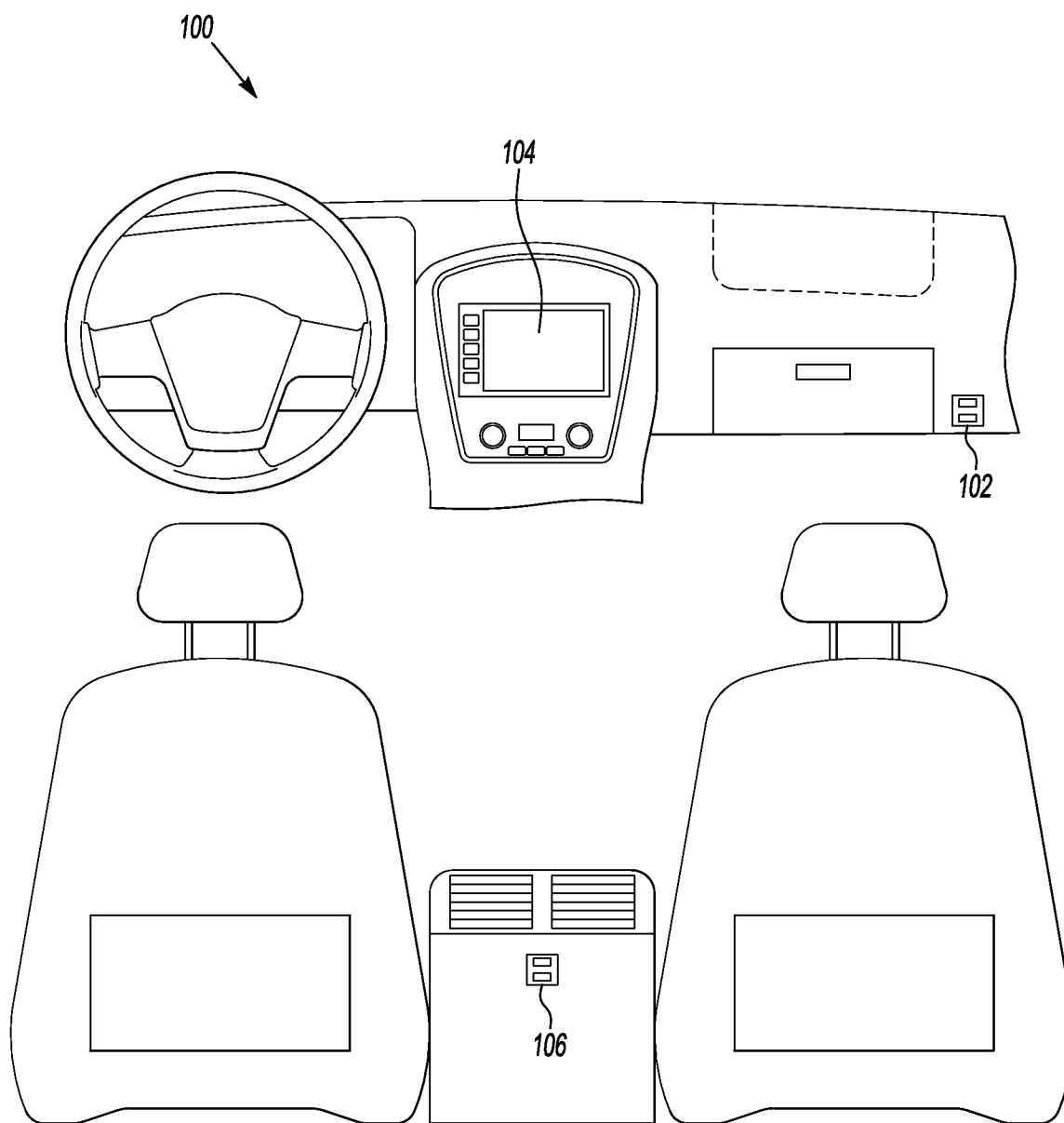


Fig-2A

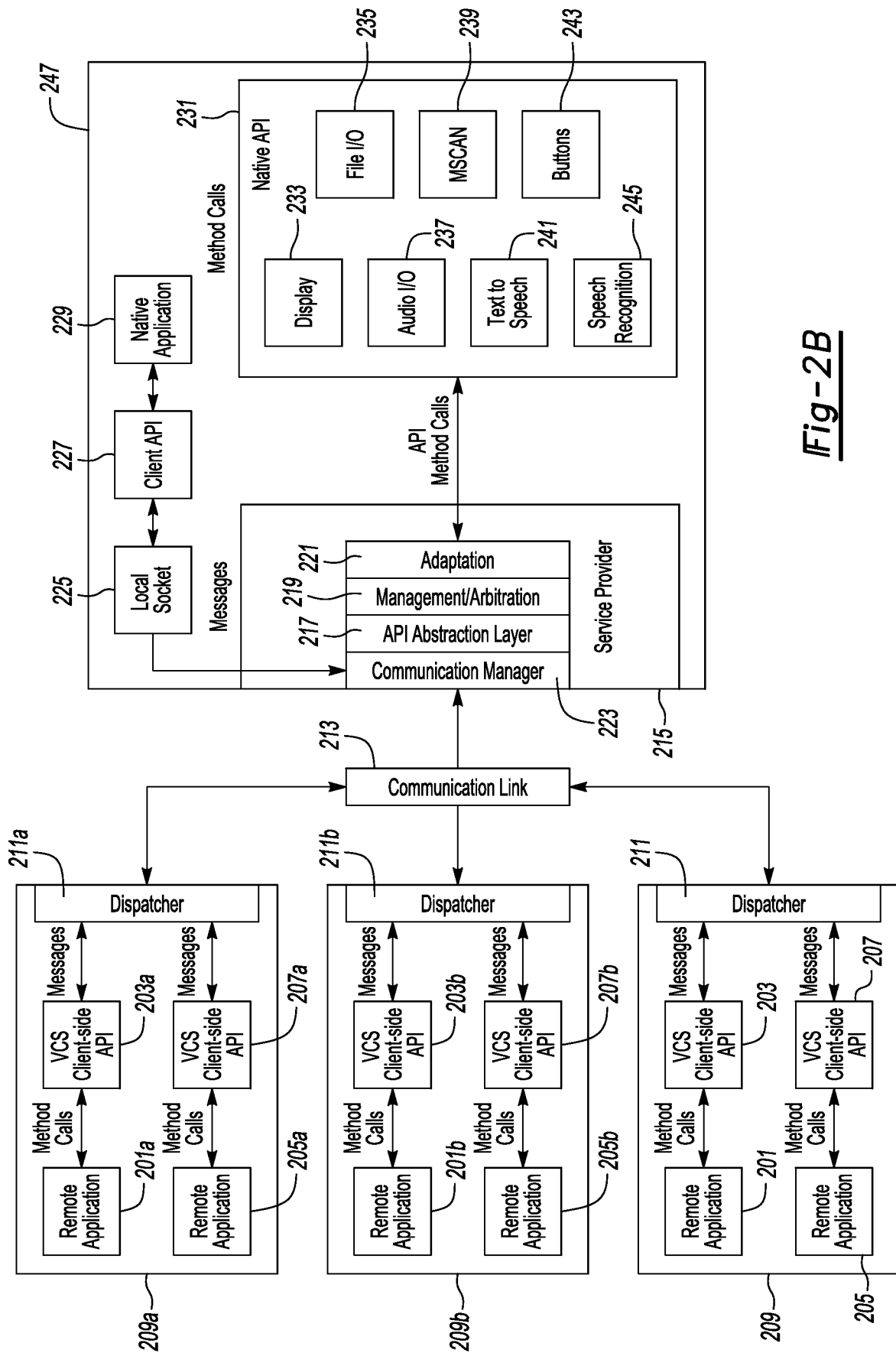


Fig-2B

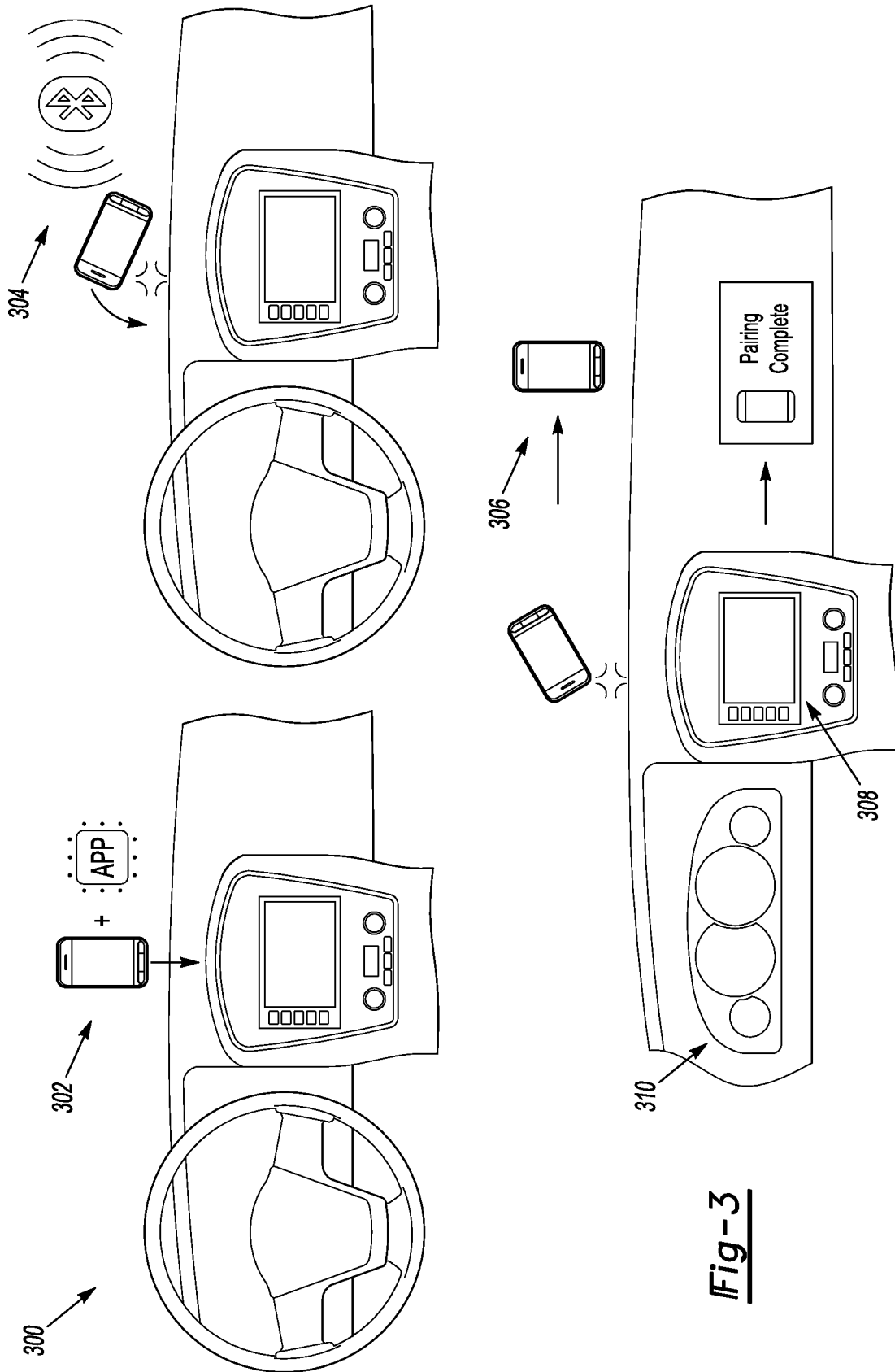


Fig-3

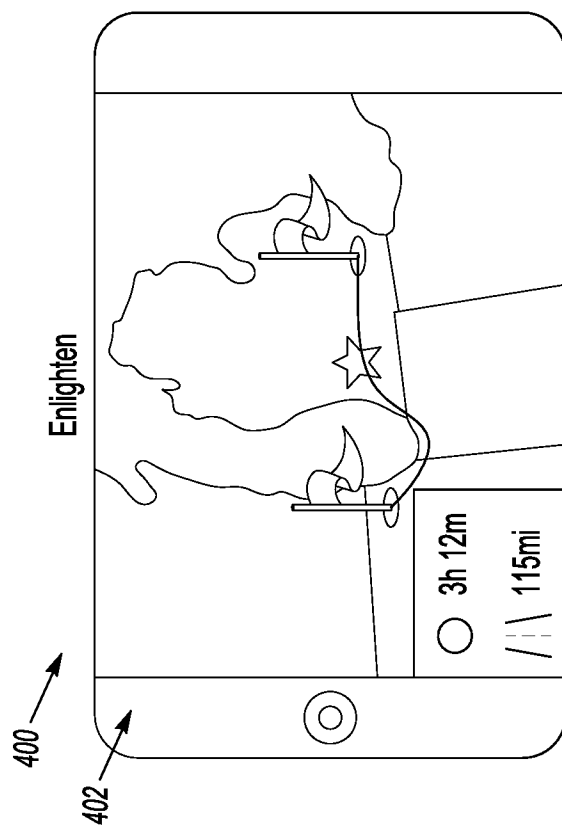
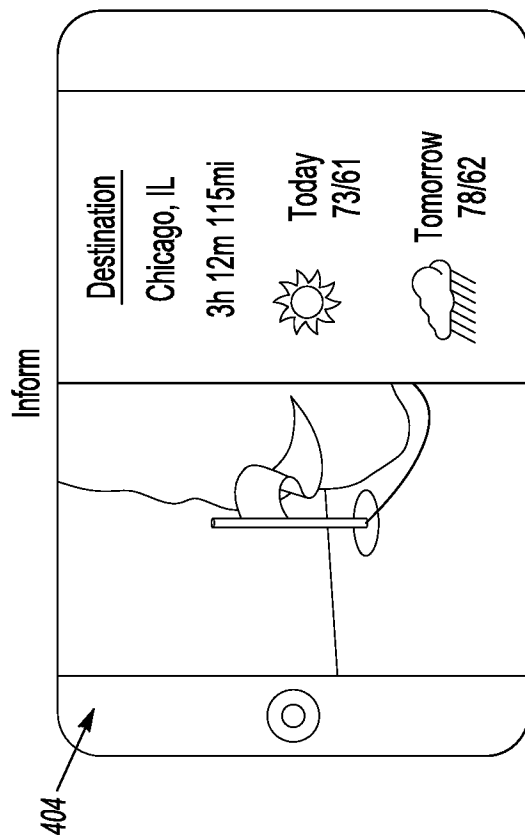
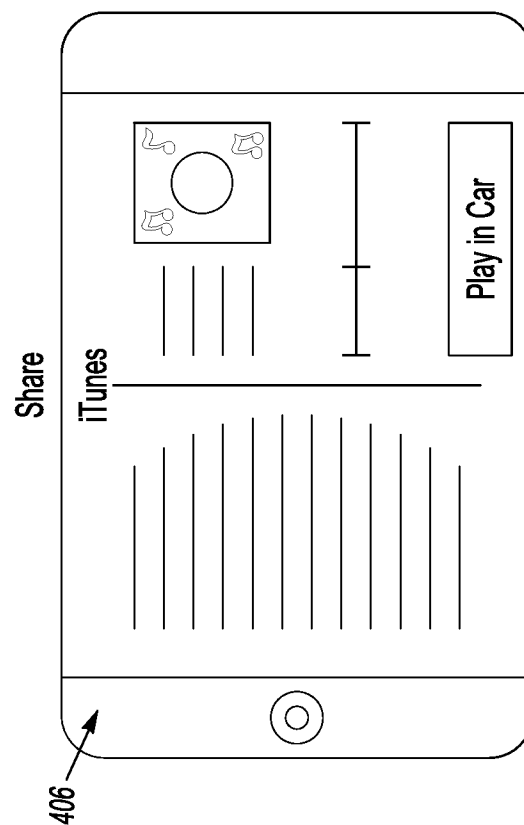
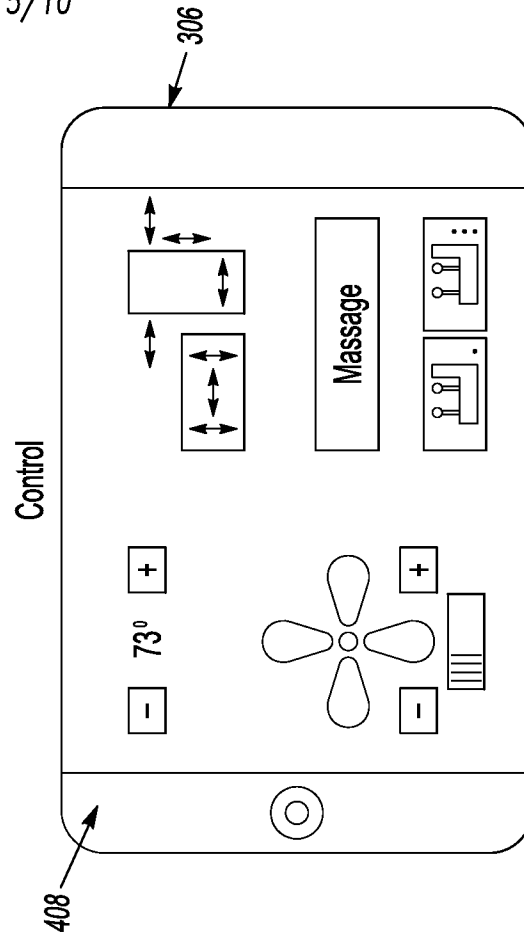


Fig-4

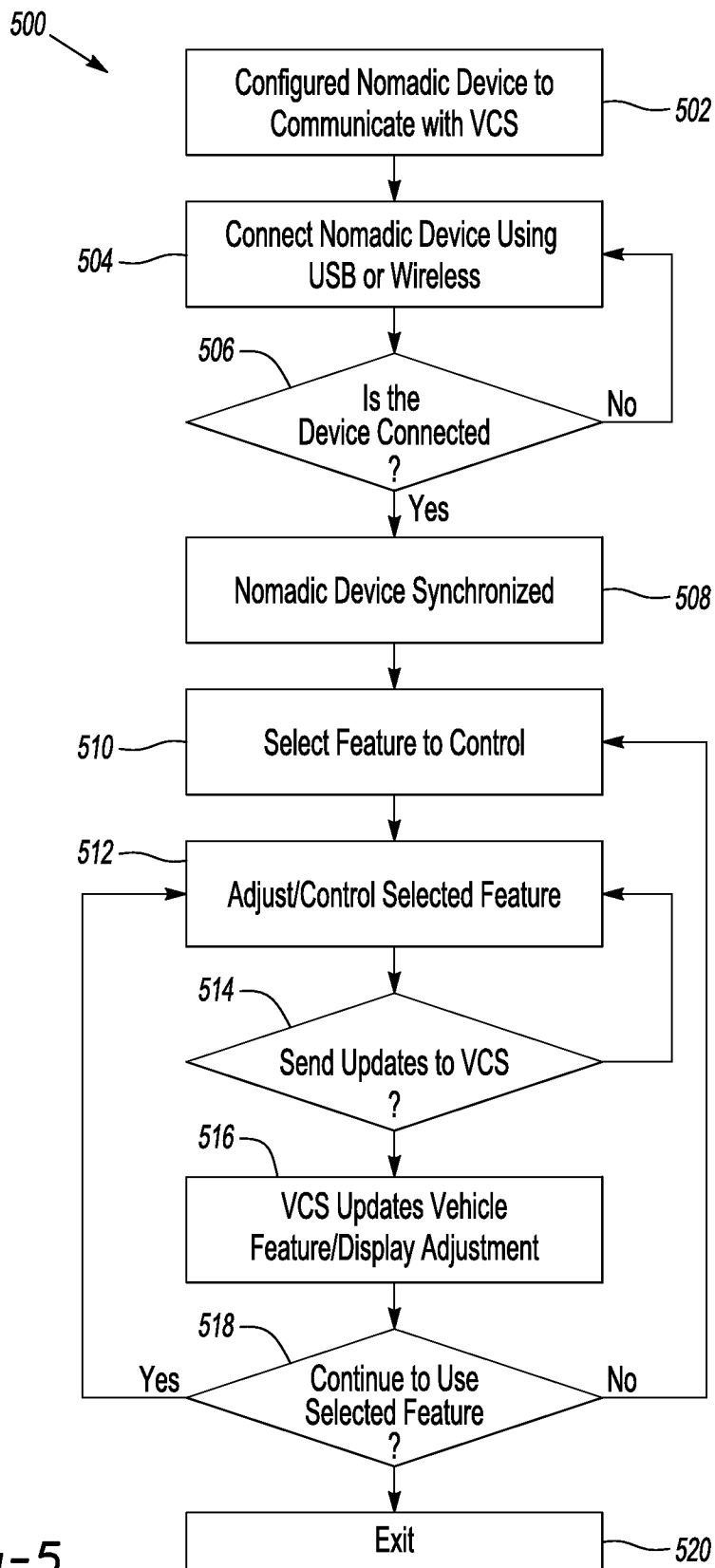
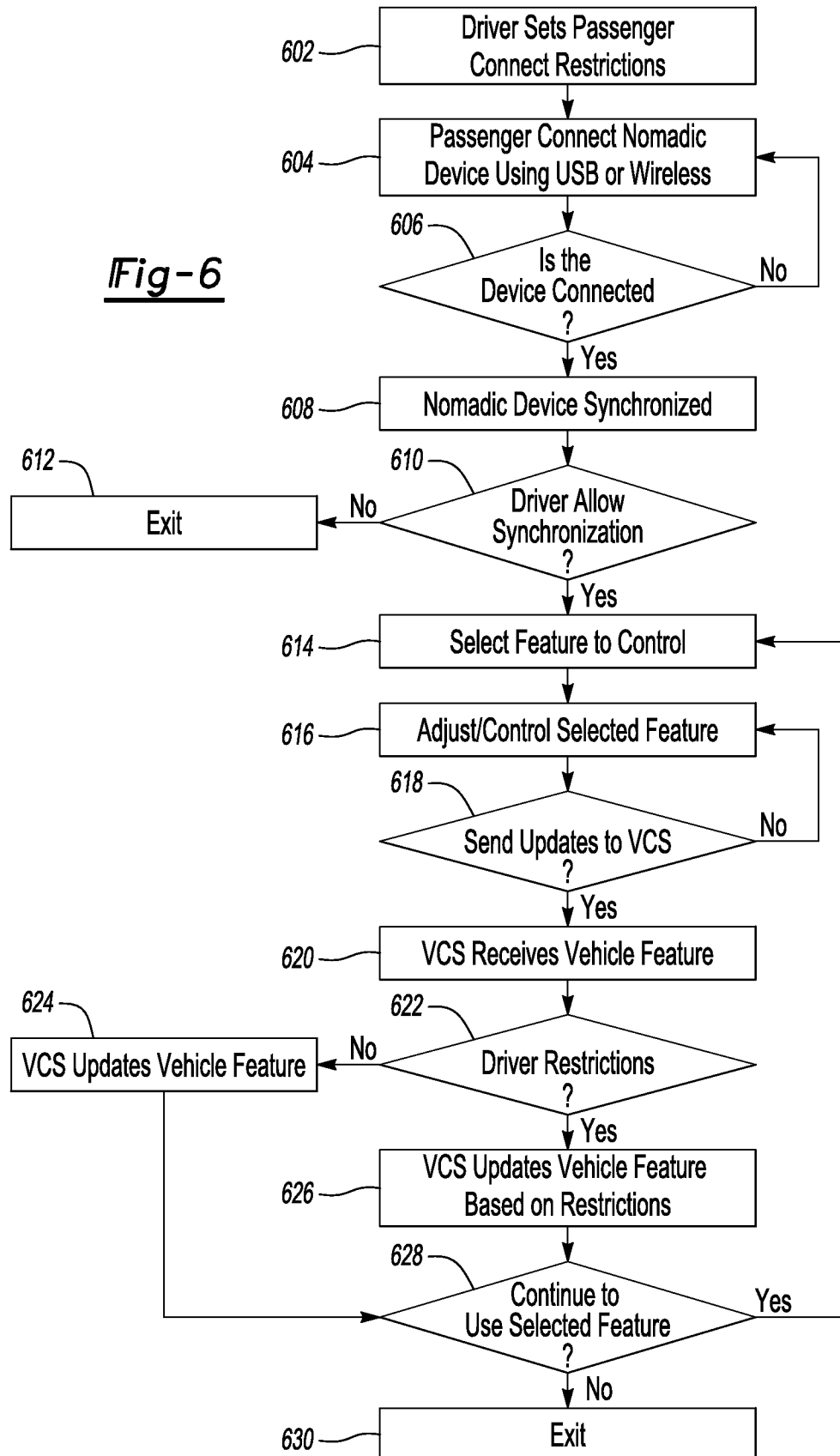
**Fig-5**

Fig-6

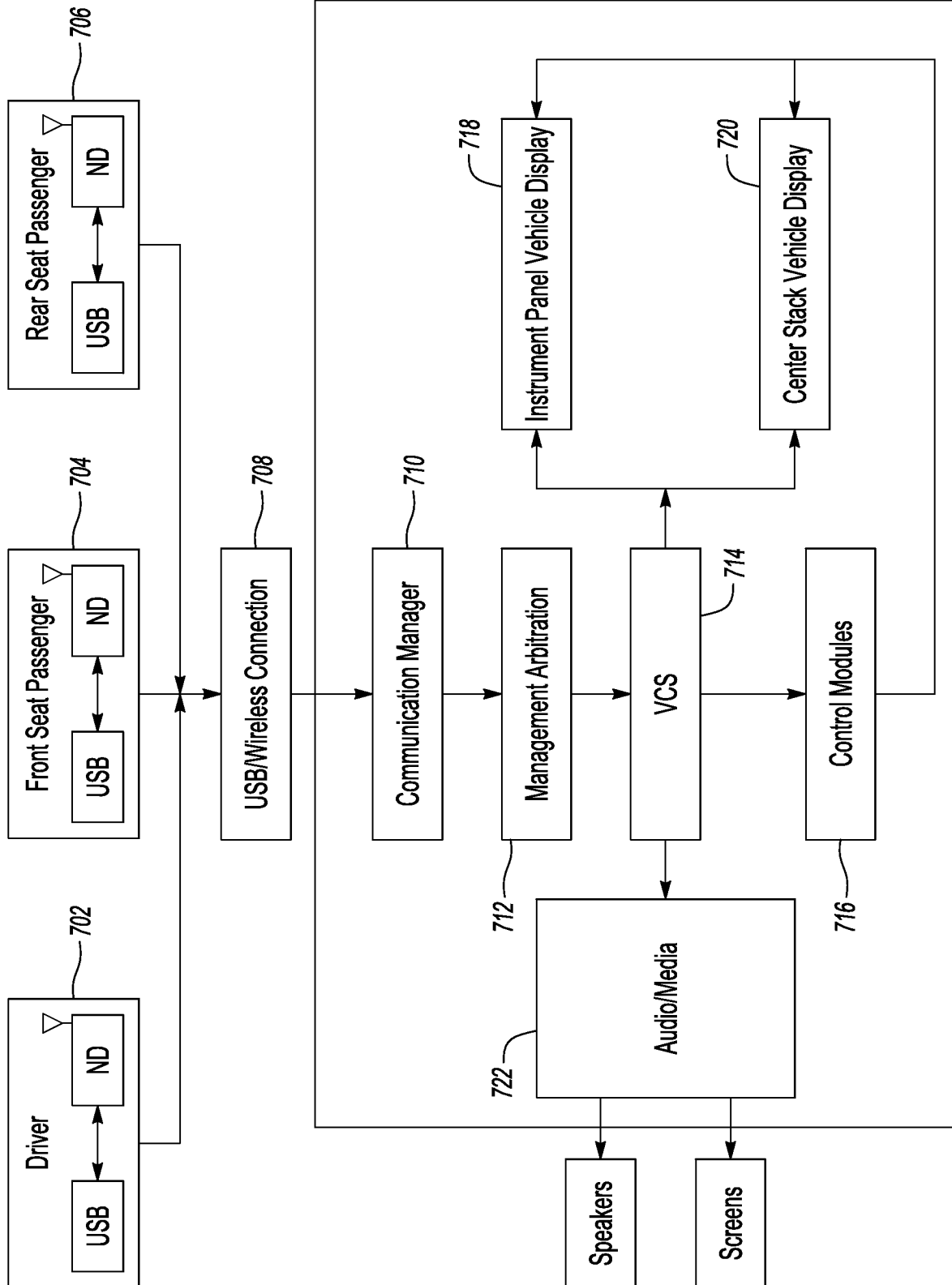


Fig - 7

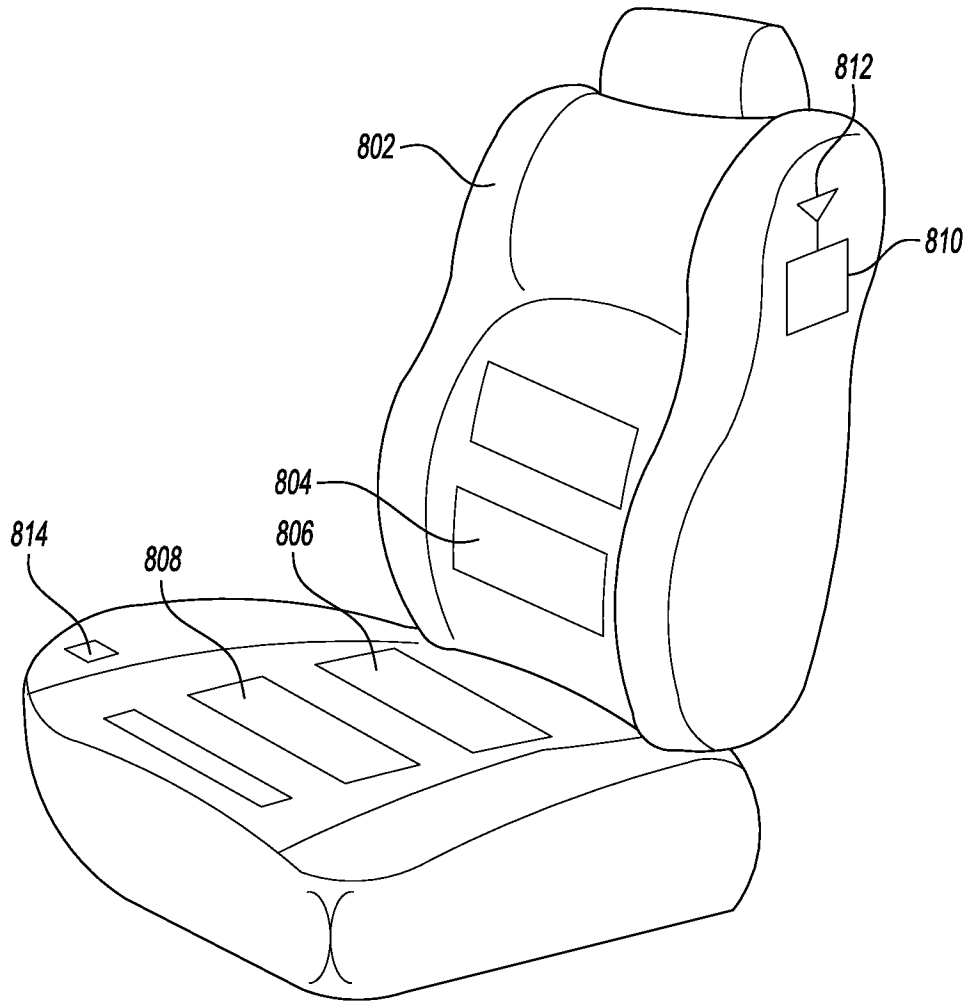
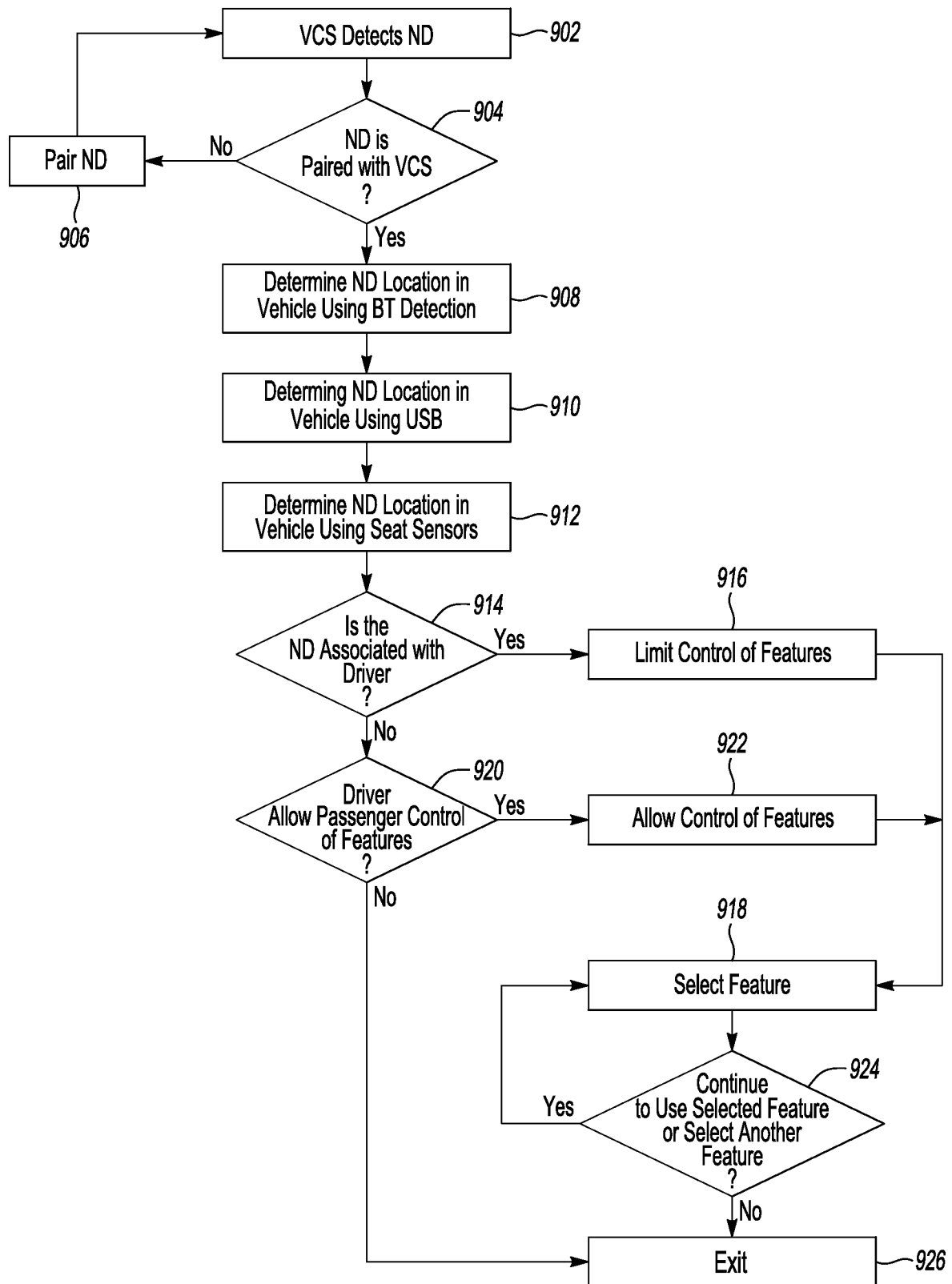


Fig-8

**Fig-9**

Electronic Patent Application Fee Transmittal

Application Number:				
Filing Date:				
Title of Invention:	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES			
First Named Inventor/Applicant Name:	Christopher Joseph Demeniuk			
Filer:	Marco J. Gatti/Gayle Lorenzen			
Attorney Docket Number:	83355966			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility application filing	1011	1	390	390
Utility Search Fee	1111	1	620	620
Utility Examination Fee	1311	1	250	250
Pages:				
Claims:				
Miscellaneous-Filing:				
Late Filing Fee for Oath or Declaration	1051	1	130	130
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1390

Electronic Acknowledgement Receipt

EFS ID:	15258039
Application Number:	13839717
International Application Number:	
Confirmation Number:	3389
Title of Invention:	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES
First Named Inventor/Applicant Name:	Christopher Joseph Demeniuk
Customer Number:	28395
Filer:	Marco J. Gatti/Gayle Lorenzen
Filer Authorized By:	Marco J. Gatti
Attorney Docket Number:	83355966
Receipt Date:	15-MAR-2013
Filing Date:	
Time Stamp:	17:36:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 1390
RAM confirmation Number	14335
Deposit Account	061510
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	ADS.pdf	1437309	no	6
			428df644ca3112316bbf1db9de24ea200539079b		
Warnings:					
Information:					
2		Specification.pdf	334198	yes	33
			c99c63586daa571307dbf1f9e18cfb11a0c53b05		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	29	
	Claims		30	32	
	Abstract		33	33	
Warnings:					
Information:					
3	Power of Attorney	POA.pdf	1194705	no	2
			fa4a7a37e9d11ca087328f70bef7128e1fd93d31		
Warnings:					
Information:					
4	Information Disclosure Statement (IDS) Form (SB08)	updated_IDS.pdf	612544	no	5
			87059bef6b35581d366896278ca8721db9175623		
Warnings:					
Information:					
5	Drawings-only black and white line drawings	Drawings.pdf	813388	no	10
			528aaadd9ffeea8a18914d0196d39604f0a90723		
Warnings:					
Information:					
6	Fee Worksheet (SB06)	fee-info.pdf	36698	no	2
			ad6dba0d10473733fc6f343aa38c76e2d3feb6a0		
Warnings:					
Information:					
Total Files Size (in bytes):			4428842		

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.

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

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.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	83355966
		Application Number	
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		
<p>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.</p> <p>This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</p>			

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--

Inventor Information:

Inventor 1					Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Christopher	Joseph	Demeniuk			
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service						
City	Shelby Township	State/Province	MI	Country of Residence ⁱ	US	
Mailing Address of Inventor:						
Address 1		11917 Whispering Oak Lane				
Address 2						
City	Shelby Township	State/Province	MI			
Postal Code	48315	Country ⁱ	US			
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.						Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence Information of this application.			
Customer Number	28395		
Email Address		Add Email	Remove Email

Application Information:

Title of the Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		
Attorney Docket Number	83355966	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		Sub Class (if any)	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)	10	Suggested Figure for Publication (if any)	9

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	83355966
		Application Number	
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		

Publication Information:

☐	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐	Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.			
Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	28395		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.			
Prior Application Status	Pending	<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation in part of	13709699	2012-12-10
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			<input type="button" value="Add"/>

Foreign Priority Information:

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(a).			
			<input type="button" value="Remove"/>
Application Number	Country i	Filing Date (YYYY-MM-DD)	Priority Claimed
			☐ Yes ☒ No
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			<input type="button" value="Add"/>

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	83355966
		Application Number	
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices
<p>If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.</p> <p>In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.</p> <p>In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.</p>

Applicant Information:

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	83355966
		Application Number	
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	83355966
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SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES

CROSS-REFERENCE TO RELATED APPLICATION

[0001] This application is a continuation-in-part of U.S. Application No. 13/709,699 filed December 10, 2012, the disclosure of which is incorporated in its entirety by reference herein.

TECHNICAL FIELD

[0002] Various embodiments relate to a vehicle information display system and a method of using the same.

BACKGROUND

[0003] U.S. Patent 7,489,786 generally discloses an audio device integration system. One or more after-market audio devices, such as a CD player, CD changer, MP3 player, satellite receiver, DAB receiver, or the like, is integrated for use with an existing OEM or after-market car stereo system, wherein control commands can be issued at the car stereo and responsive data from the audio device can be displayed on the stereo. Control commands generated at the car stereo are received, processed, converted into a format recognizable by the audio device, and dispatched to the audio device for execution. Information from the audio device, including track, disc, song, station, time, and other information, is received, processed, converted into a format recognizable by the car stereo, and dispatched to the car stereo for display thereon. One or more auxiliary input sources can be integrated with the car stereo, and selected between using the controls of the car stereo. Both an audio device and one or more auxiliary input sources can be integrated together, and a user can select between the device or the one or more auxiliary input sources by issuing selection commands through the car stereo. A docking station is provided for docking a portable audio or video device for integration with the car stereo.

[0004] U.S. Patent Application 2009/0075624 generally discloses a remote application server that operates cooperatively with an embedded radio receiver in a vehicle. The remote application server can include a standalone portable device having memory for storing and independently presenting audio or data wirelessly received by the embedded receiver and a communication interface in the standalone portable device for receiving audio and data received at the embedded receiver and for transferring audio or data or both to and from a computer network when coupled to the network and for uploading stored audio or data or both to a user interface when coupled to the embedded receiver. The server can include a processor in the standalone portable device for remotely running applications on the standalone portable device that are presented on the user interface coupled to the embedded receiver via a thin client resident in the user interface or embedded receiver.

[0005] U.S. Patent Application 2012/0079002 generally discusses a user interacting with remotely executing mobile applications from a vehicle. The vehicle may include at least one computer that includes a human machine interface (HMI) for control by the user. The mobile applications may be executing on an application server that is remote from the vehicle and communicating with the at least one computer. Further, the mobile applications may be configured to receive inputs from and transmit outputs to the at least one computer. An HMI application executing on the at least one computer may enable the provisioning of one or more services of the HMI to the mobile applications so that inputs and/or outputs to the mobile applications may be exchanged. Vehicle-based operation of the mobile applications from the at least one computer via the HMI may thus be enabled.

[0006] U.S. Patent Application 2006/0138308 generally discusses an entertainment system including a control unit including at least one processor, and at least one portable device adapted to connect to the control unit and to store content, the at least one processor configured to detect the connection of the at least one portable device to the control unit and to automatically locate stored content upon detection of the at least one portable device.

SUMMARY

[0007] In a first illustrative embodiment, a computer readable storage medium stores instructions that, when executed by a processor, cause the processor to establish communication with

at least one of a plurality of handheld computing devices connected to a vehicle computing system. The processor may receive input identifying a connected device as a non-driver handheld computing device based on a detected location of the communication connection established between the handheld device and the vehicle computing system. The processor may determine based on the detected location that the handheld computing device is a non-driver handheld computing device, therefore enabling infotainment control from the device. The processor may determine based on the detected location that the handheld computing device is a driver handheld computing device therefore limiting infotainment control from the device.

[0008] In a second illustrative embodiment, a vehicle computing system enabling one or more processors to establish a communication connection with at least one of a plurality of handheld computing devices within a vehicle and determine infotainment control based on the location of the handheld device in the vehicle. The vehicle computing system may determine if the at least one of a plurality of handheld computing devices is a driver or non-driver handheld computing device based on a detected location of the communication connection. The system may determine that the at least one of a plurality of handheld computing devices is a non-driver handheld computing device based on the detected location, therefore enable infotainment control from the non-driver handheld computing device. The system may determine that the at least one of a plurality of handheld computing devices is a driver handheld computing device based on the detected location, therefore limit infotainment control from the driver handheld computing device.

[0009] In a third illustrative embodiment, a computer-implemented method enables one or more passenger(s) to control vehicle systems using a handheld computing device. The computer-implemented method includes establishing communication with at least one of a plurality of handheld computing devices provided to a vehicle. The communication link between the handheld device(s) to the vehicle system(s) includes a connection using USB or BLUETOOTH technology. The computer implemented method may detect a location of the communication connection, and enabling infotainment control if the detected location is a non-driver location in the vehicle. The vehicle system(s) recognizes a connected handheld device as a non-driver handheld based on the detected location of the computing device. Once the non-driver handheld devices are connected and recognized by the vehicle-based computing system, the handheld devices may enable infotainment

control including navigation destination input, climate control, entertainment system interaction, and seat adjustments.

BRIEF DESCRIPTION OF THE DRAWINGS

[0010] Figure 1 is an exemplary block topology of a vehicle infotainment system implementing a user-interactive vehicle information display system;

[0011] Figure 2A is an illustrative example of connectivity for occupant seating locations to connect a brought-in device to the vehicle;

[0012] Figure 2B shows an illustrative example of one or more remote device running one or more applications in communication with a vehicle based computing system;

[0013] Figure 3 is an illustrative example of configuring the infotainment system when a driver develops a favorable configuration offline;

[0014] Figure 4 is an example of illustrate embodiments disclosing several infotainment features an occupant may interrelate while connected to the vehicle-based computer with their handheld computing device;

[0015] Figure 5 is a flow chart illustrating an example method of a handheld computing device controlling selected vehicle features;

[0016] Figure 6 is a flow chart illustrating an example method of a driver restricting a passenger's handheld computing device control of vehicle features;

[0017] Figure 7 is a block system architecture of a vehicle computing system having a user-interactive information display system controlled by an occupant's handheld computing device; and

[0018] Figure 8 is a graphical representation of one embodiment of using a seat to identify nomadic device communication control with a vehicle computing system; and

[0019] Figure 9 is a flow chart illustrating an example method of a vehicle computing system detecting occupant location using connected devices.

DETAILED DESCRIPTION

[0020] As required, detailed embodiments of the present invention are disclosed herein; however, it is to be understood that the disclosed embodiments are merely exemplary of the invention that may be embodied in various and alternative forms. The figures are not necessarily to scale; some features may be exaggerated or minimized to show details of particular components. Therefore, specific structural and functional details disclosed herein are not to be interpreted as limiting, but merely as a representative basis for teaching one skilled in the art to variously employ the present invention.

[0021] User interaction by a vehicle occupant with current vehicle computing systems can sometimes be cumbersome. For example, “core” controls, controls that are most commonly used, may not always be easily found and/or accessible to all occupants of the vehicle. As another example, the display may present items in such a manner that the vehicle occupant(s) may need to look at the display to select an operation. At times, this may even lead to an unpleasant riding experience for a passenger in the back seat since they often have zero interaction with the vehicle or its systems. Additionally, many vehicles are only equipped with one core controls display, usually located in the center stack.

[0022] Many passenger interactions with vehicle controls are often limited to power window control or climate adjustment. Front-seat passengers may be able to interact with center stack-mounted touchscreens, however these often enter reduced functionality mode while driving, rendering many of their features useless. As a result, passengers often look up information on their mobile phones, tablets, or other devices and attempt to verbally relay that information to the driver. The integration of handheld devices with the vehicle-based computing system and core operations of the vehicle infotainment system may allow limitless interaction with device applications and the vehicle to improve the passenger riding experience.

[0023] Figure 1 illustrates an example block topology for a vehicle based computing system 1 (VCS) for a vehicle 31. An example of such a vehicle-based computing system 1 is the SYNC system manufactured by THE FORD MOTOR COMPANY. A vehicle enabled with a vehicle-based computing system may contain a visual front end interface 4 located in the vehicle. The user may

also be able to interact with the interface if it is provided, for example, with a touch sensitive screen. In another illustrative embodiment, the interaction occurs through, button presses, spoken dialog system with automatic speech recognition and speech synthesis.

[0024] In the illustrative embodiment 1 shown in Figure 1, a processor 3 controls at least some portion of the operation of the vehicle-based computing system. Provided within the vehicle, the processor allows onboard processing of commands and routines. Further, the processor is connected to both non-persistent 5 and persistent storage 7. In this illustrative embodiment, the non-persistent storage is random access memory (RAM) and the persistent storage is a hard disk drive (HDD) or flash memory. In general, persistent (non-transitory) memory can include all forms of memory that maintain data when a computer or other device is powered down. These include, but are not limited to, HDDs, CDs, DVDs, magnetic tapes, solid state drives, portable USB drives and any other suitable form of persistent memory.

[0025] The processor is also provided with a number of different inputs allowing the user to interface with the processor. In this illustrative embodiment, a microphone 29, an auxiliary input 25 (for input 33), a USB input 23, a GPS input 24, screen 4, which may be a touchscreen display, and a BLUETOOTH input 15 are all provided. An input selector 51 is also provided, to allow a user to swap between various inputs. Input to both the microphone and the auxiliary connector is converted from analog to digital by a converter 27 before being passed to the processor. Although not shown, numerous of the vehicle components and auxiliary components in communication with the VCS may use a vehicle network (such as, but not limited to, a CAN bus) to pass data to and from the VCS (or components thereof).

[0026] Outputs to the system can include, but are not limited to, a visual display 4 and a speaker 13 or stereo system output. The speaker is connected to an amplifier 11 and receives its signal from the processor 3 through a digital-to-analog converter 9. Output can also be made to a remote BLUETOOTH device such as PND 54 or a USB device such as vehicle navigation device 60 along the bi-directional data streams shown at 19 and 21 respectively.

[0027] In one illustrative embodiment, the system 1 uses the BLUETOOTH transceiver 15 to communicate 17 with a user's nomadic device 53 (e.g., cell phone, smart phone, PDA, or any other

device having wireless remote network connectivity). The nomadic device can then be used to communicate 59 with a network 61 outside the vehicle 31 through, for example, communication 55 with a cellular tower 57. In some embodiments, tower 57 may be a WiFi access point.

[0028] Exemplary communication between the nomadic device and the BLUETOOTH transceiver is represented by signal 14.

[0029] Pairing a nomadic device 53 and the BLUETOOTH transceiver 15 can be instructed through a button 52 or similar input. Accordingly, the CPU is instructed that the onboard BLUETOOTH transceiver will be paired with a BLUETOOTH transceiver in a nomadic device.

[0030] Data may be communicated between CPU 3 and network 61 utilizing, for example, a data-plan, data over voice, or DTMF tones associated with nomadic device 53. Alternatively, it may be desirable to include an onboard modem 63 having antenna 18 in order to communicate 16 data between CPU 3 and network 61 over the voice band. The nomadic device 53 can then be used to communicate 59 with a network 61 outside the vehicle 31 through, for example, communication 55 with a cellular tower 57. In some embodiments, the modem 63 may establish communication 20 with the tower 57 for communicating with network 61. As a non-limiting example, modem 63 may be a USB cellular modem and communication 20 may be cellular communication.

[0031] In one illustrative embodiment, the processor is provided with an operating system including an API to communicate with modem application software. The modem application software may access an embedded module or firmware on the BLUETOOTH transceiver to complete wireless communication with a remote BLUETOOTH transceiver (such as that found in a nomadic device). BLUETOOTH is a subset of the IEEE 802 PAN (personal area network) protocols. IEEE 802 LAN (local area network) protocols include WiFi and have considerable cross-functionality with IEEE 802 PAN. Both are suitable for wireless communication within a vehicle. Another communication means that can be used in this realm is free-space optical communication (such as IrDA) and non-standardized consumer IR protocols.

[0032] In another embodiment, nomadic device 53 includes a modem for voice band or broadband data communication. In the data-over-voice embodiment, a technique known as frequency division multiplexing may be implemented when the owner of the nomadic device can

talk over the device while data is being transferred. At other times, when the owner is not using the device, the data transfer can use the whole bandwidth (300 Hz to 3.4kHz in one example). While frequency division multiplexing may be common for analog cellular communication between the vehicle and the internet, and is still used, it has been largely replaced by hybrids of Code Domain Multiple Access (CDMA), Time Domain Multiple Access (TDMA), Space-Domain Multiple Access (SDMA) for digital cellular communication. These are all ITU IMT-2000 (3G) compliant standards and offer data rates up to 2 mbs for stationary or walking users and 385 kbs for users in a moving vehicle. 3G standards are now being replaced by IMT-Advanced (4G) which offers 100 mbs for users in a vehicle and 1 gbs for stationary users. If the user has a data-plan associated with the nomadic device, it is possible that the data-plan allows for broad-band transmission and the system could use a much wider bandwidth (speeding up data transfer). In still another embodiment, nomadic device 53 is replaced with a cellular communication device (not shown) that is installed to vehicle 31. In yet another embodiment, the ND 53 may be a wireless local area network (LAN) device capable of communication over, for example (and without limitation), an 802.11g network (i.e., WiFi) or a WiMax network.

[0033] In one embodiment, incoming data can be passed through the nomadic device via a data-over-voice or data-plan, through the onboard BLUETOOTH transceiver and into the vehicle's internal processor 3. In the case of certain temporary data, for example, the data can be stored on the HDD or other storage media 7 until such time as the data is no longer needed.

[0034] Additional sources that may interface with the vehicle include a personal navigation device 54, having, for example, a USB connection 56 and/or an antenna 58, a vehicle navigation device 60 having a USB 62 or other connection, an onboard GPS device 24, or remote navigation system (not shown) having connectivity to network 61. USB is one of a class of serial networking protocols. IEEE 1394 (FireWire™ (Apple), i.LINK™ (Sony), and Lynx™ (Texas Instruments)), EIA (Electronics Industry Association) serial protocols, IEEE 1284 (Centronics Port), S/PDIF (Sony/Philips Digital Interconnect Format) and USB-IF (USB Implementers Forum) form the backbone of the device-device serial standards. Most of the protocols can be implemented for either electrical or optical communication.

[0035] Further, the CPU could be in communication with a variety of other auxiliary devices 65. These devices can be connected through a wireless 67 or wired 69 connection. Auxiliary device 65 may include, but are not limited to, personal media players, wireless health devices, portable computers, and the like.

[0036] Also, or alternatively, the CPU could be connected to a vehicle based wireless router 73, using for example a WiFi (IEEE 803.11) 71 transceiver. This could allow the CPU to connect to remote networks in range of the local router 73.

[0037] In addition to having an exemplary processes executed by a vehicle computing system located in a vehicle, in certain embodiments, the exemplary processes may be executed by a computing system in communication with a vehicle computing system. Such a system may include, but is not limited to, a wireless device (e.g., and without limitation, a mobile phone) or a remote computing system (e.g., and without limitation, a server) connected through the wireless device. Collectively, such systems may be referred to as a vehicle associated computing systems (VACS). In certain embodiments particular components of the VACS may perform particular portions of a process depending on the particular implementation of the system. By way of example and not limitation, if a process has a step of sending or receiving information with a paired wireless device, then it is likely that the wireless device is not performing the process, since the wireless device would not “send and receive” information with itself. One of ordinary skill in the art will understand when it is inappropriate to apply a particular VACS to a given solution. In all solutions, it is contemplated that at least the vehicle computing system (VCS) located within the vehicle itself is capable of performing the exemplary processes.

[0038] Figure 2A is an illustrative example of connectivity for passenger seating locations to connect a brought-in device to the VCS. The pluralities of USB ports 100 are allocated to the front and backseat passengers for plug in access to use their nomadic devices with the VCS. The nomadic device being connected to the VCS may allow a driver or passenger to use their handheld device to control vehicle features including, but not limited to, navigation inputs, media selection, and/or climate control. The plurality of nomadic devices to control vehicle features may be used with the connection of the nomadic dives through the USB port or wirelessly using BLUETOOTH. The use

of the term USB, herein, is not intended to limit the invention in any fashion, but rather is exemplary of a form of wired data connection. Other suitable wired or wireless data connections may be used.

[0039] In an embodiment shown in Figure 2A, the USB port is securely mounted adjacent to the passenger door 102. The arrangement allows for employing a system and method for interconnecting a passenger's brought-in handheld device with the VCS. The VCS includes a display 104 that may be typically mounted in a centralized control area between the driver and front passenger. Allowing the passenger to plug into the VCS with their handheld device may give the passenger ability to control certain features of the VCS and update information on the display 104. Once the connected handheld device is recognize by the VCS as a non-driver handheld computing device, the system may allow the passenger to control functions that may be locked-out on an embedded display/control once the vehicle is in motion. The locked-out functions when a vehicle is in motion may include navigation system destination inputs.

[0040] Another embodiment allowing passenger nomadic device interconnection with the VCS is a USB port mounted for rear seat passengers 106. A rear seat passenger may plug in their nomadic device using the USB port to interact with the VCS. The rear seat passenger may allow information to be transmitted from their handheld device to the VCS including, but is not limited to, destination, music, and/or climate control adjustment. Allowing a rear seat passenger to plug into the VCS with their handheld device may give the rear seat passenger functions to control certain features of the VCS and present updated function or feature information on the display 104.

[0041] The location of the USB port connections allow the VCS to detect where the handheld device is being plugged in within the passenger compartment of the vehicle. Understanding the location of the handheld device may assist the VCS in identifying if the device is a non-driver handheld computing device. Using the USB ports, the VCS may identify occupant's location and assign priority levels for each plugged in device.

[0042] Using wireless connection (e.g., BLUETOOTH technology), the VCS may detect a non-driver handheld device by using many methods including, but not limited to, wireless zones within the passenger compartment of the vehicle. Setting up wireless zones within the passenger compartment may allow the VCS to identify locations of the handheld device communicating with

the VCS. For example, if the handheld device is detected as being in the front passenger seat, the VCS may allow the passenger to access more functions than someone sitting in the backseat. Another example of determining occupant location within the passenger compartment of the vehicle may include, but is not limited to, near field communication, while assigning priority to each paired wireless device. Assigning priority to each handheld device connected to the VCS may determine which device controls a certain feature or function.

[0043] The passenger, or non-driver computing device, functions may include, but are not limited to, allowing the passenger to transmit ('push') information from the brought-in handheld device to the VCS. The information being transmitted may include, but is not limited to, navigation, waypoint, points of interest, and/or music. Allowing passengers to interface with the VCS may include configuration to the system via the brought in device to control their immediate physical environment including, but not limited to, climate control, fan speed, heat or cooled seat functions, and seat position. Another example of passenger functions may include, but is not limited to, navigation functions by allowing the passenger to search, set, or update the destination to which the vehicle is traveling, while the vehicle is in motion.

[0044] Another passenger function may include, but is not limited to, allowing the passenger to receive and request ('pull') information from the VCS to the handheld device. The information being received and requested may include, but not limited to, music, movies, photos, navigation data, and additional information being shared by other passengers connected to the VCS. Another example of passenger function data that may be received by one or more passengers communicating with the VCS may include, but not limited to, a playlist that may have been shared by one passenger to the VCS and downloaded from the VCS to another passenger's handheld device.

[0045] Figure 2B shows an illustrative example of one or more handheld devices running one or more applications in communication with a vehicle based computing system. The handheld devices may be operated by occupants throughout the passenger compartment, including passengers in the rear seats. The illustrative example of one or more handheld devices 209, 209a and 209b are represented in the figure as an example of multiple devices communicating with the VCS. In this illustrative embodiment, a handheld device 209 (e.g., without limitation, a cell phone, PDA, GPS device, etc.) has one or more remote applications 201, 205 stored thereon. The remote applications

communicate with the vehicle based computing system 247, using a vehicle computing system (VCS) client side API 203, 207. This API could, for example, be provided to developers in advance, and define the format of outgoing and incoming packets so that communication between the handheld device 209 and the vehicle based computing system 247 is possible. A dispatcher 211 can be provided to the handheld device 209 if more than one application is communicating at the same time.

[0046] Data is passed from the handheld device to the vehicle communication system through a communication link 213. This can be a wired or wireless link, and can be half or full duplex. In one non-limiting example, the link is a BLUETOOTH link.

[0047] The vehicle based communication system has various applications stored thereon, including, but not limited to: a communications manager 223, an API abstraction application (or layer) 217, a management and arbitration application 219, and an adaptation application 221 (these applications can also be layers of a single or plurality of applications, such as a service provider application 215).

[0048] In this exemplary implementation, the communication manager 223 handles all transports, forwarding incoming messages to the API abstraction application (or layer) 217, and ensuring that outgoing messages are sent via the proper transport channel. The communication manager 223 may also determine priority of messages received from one or more handheld devices connected simultaneously to the vehicle based computing system 247. The vehicle owner or driver may configure certain communication and priority settings allowing certain handheld devices, or passengers to communicate to the vehicle based computing system 247.

[0049] In this exemplary implementation, the abstraction application 217 transforms incoming messages into action to be performed by a service and creates outgoing messages out of information and events from local modules.

[0050] In this exemplary implementation, the management and arbitration application 219 virtualizes the local vehicle based computing system for each application by managing use of HMI elements and governing resource consumption.

[0051] In this exemplary implementation, the adaptation application 221 encapsulates the local API and coexistence with core local applications. This application may be modified or replaced to allow a communication connection to compatible with different versions of the vehicle based computing system software.

[0052] In at least one exemplary implementation, a message protocol may be used to encode messages exchanged between a mobile client and the vehicle based computing system to command and control a Human Machine Interface (HMI) for purposes such as displaying and speaking text, listening, propagating button-pushes, etc. These messages may contain small amounts of data (e.g. text phrases, button identifiers, status, thumb-drive file data, configuration data, etc.). This protocol, using complementary support provided by the message specification, may permit multiple passenger application sessions to concurrently use a single transport channel.

[0053] Other open standard protocols may be used where appropriate and available, such as the A2DP BLUETOOTH profile for streaming audio from the mobile device to the vehicle audio system (not all mobile devices support A2DP). However, some open standard protocols are not always available on every mobile device, or are not always implemented uniformly. In addition, API support for use of these protocols may not be uniformly implemented on all mobile platforms. Therefore, the function of some open standard protocols (e.g. OBEX) may be provided as part of the message protocol, when it is technically simple enough to do and a significant increase in uniformity can be achieved across platforms.

[0054] Transports may be configured to support full-duplex communication in order to provide prompt event propagation between passenger applications and the vehicle based computing system. A transport may also support multiple concurrent channels in order to permit concurrent connections from one or more devices.

[0055] One or more exemplary transports are Serial (RS232) and TCP/IP. Serial transport communication with mobile devices may provide, for example, through a BLUETOOTH Serial Profile. Most mobile devices support this profile, and most provide a common programming model for its use. The serial programming model is widely used and highly uniform. If the vehicle based computing system provides Serial-over-USB support, then the Serial transport could be used with

any mobile device that is USB-connected to the vehicle based computing system (if that mobile device provides support for Serial over its USB connection).

[0056] In addition, a TCP/IP transport provides the ability for applications running on the vehicle based computing system to use the local HMI. If the module provides external TCP/IP connectivity in the future, this transport will allow external clients to connect over that TCP/IP connectivity. The socket programming model (including the API) for TCP/IP is typically highly portable. Such an example would be a locally loaded application 229, using a client-side API 227 to communicate through a local socket 225.

[0057] In at least one exemplary embodiment, the decoupled nature of the system, where the vehicle based computing system is unaware of one or more occupant applications until they connect, demands a discovery mechanism whereby system and the mobile device can discover each other's existence and capabilities.

[0058] Multiple discovery is possible, whereby the mobile device passenger may be able to discover the environment, locale and HMI capabilities of the local platform and the system may be able to discover the applications available on one or more handheld devices while having the ability to launch those applications.

[0059] In this illustrative embodiment, the native API 231 has various services associated therewith, that can be accessed by handheld devices through function calls. For example, a display function 233 may be provided.

[0060] The system may provide an API allowing occupant's applications to write to vehicle displays and query their characteristics. The characteristics of each display may be described generically such that occupant's applications may not require hard coding for individual display types (Type 1 FDM, Type 3 GAP, Type 6 Navigation, etc). Specifically, the system may enumerate each display and indicate each display's intended usage (primary or secondary display). Furthermore, the system may enumerate the writable text fields of each display, provide each writable text field's dimensions, and indicate each field's intended general usage. To promote consistency with the current user interface, support for the scrolling of long text may also be included, where permitted by driver distraction rules.

[0061] The system may also include text to speech capability 241. The system may provide an API allowing occupant's applications to leverage the vehicle based computing system's text-to-speech functionality. Client applications may also be able to interleave the play of audio icons with spoken text. They may be able to utilize preexisting audio icons or provide short audio files of their own. The format of application provided audio files may be limited to those natively supported.

[0062] Further functionality of the illustrative embodiments may include one or more button inputs 243. One example of this would be controlling an application on a handheld device through use of buttons installed in a vehicle (such as steering wheel buttons).

[0063] Another exemplary function could be a speech recognition function 245. The system may provide an API allowing client applications to leverage the vehicle based computing system's speech recognition capabilities. The system may also simplify the vehicle based computing systems' native speech recognition APIs to provide a simpler development model for client application developers. The speech grammar APIs will also be simplified while retaining most of the native API's flexibility. For example, the system (on behalf of client applications) will recognize global voice commands such as "Front Seat Occupant", "BLUETOOTH Audio" or "USB" and pass control to the appropriate handheld device and/or application.

[0064] Audio I/O 237 may also be provided in an exemplary implementation. The system may provide regulated access to the HMI while enforcing the interface conventions that are coded into core applications. A single "in focus" occupant application may be allowed primary access to the display, buttons, audio capture or speech engine. Occupant's applications without focus (e.g. Text Messaging, Turn By Turn Navigation, etc.) may be allowed to make short announcements (e.g. "New Message Arrived" or "Turn Left"). Stereo audio may continue to play after a mobile device audio application.

[0065] The system may provide an API allowing client applications to capture audio recorded using a microphone. The client application may specify duration of the capture, though capture can be interrupted at any time. Captured audio may be returned to the occupant's application or stored on a local or portable drive. The one or more handheld devices may have access to the captured audio and may download to one or more passenger handheld devices.

[0066] Additionally, file I/O 235 may also be provided with the system. For example, the system may provide an API allowing occupant's applications to read from, write to, create and/or delete files on a remote drive. Access to the remote drive file system may be restricted in that a client application may only read/edit data in a directory specific to that occupant's application.

[0067] Finally, the system can provide various forms of security, to ensure both system integrity and driver safety. The system APIs may be limited to prevent inadvertent or malicious damage to the system and vehicle by a passenger application, including (but not limited to): Limited access to the vehicle CAN bus; limited access to a local file system; no or limited access to audio output volume; no access to disable PTT (push-to-talk), menu, or other buttons that a developer may deem essential; and no access to disable system voice commands or media player source commands.

[0068] Additionally, passenger applications connecting to the VCS must be approved by the driver or vehicle owner. For example, the following criteria may be used: the driver or vehicle owner may install the passenger application on their mobile device; passenger applications connecting via BLUETOOTH must be running on a mobile device paired by the driver or vehicle owner to the vehicle based computing system module on which the system is running; and applications running locally on the module must be installed onto the module by the vehicle owner.

[0069] Another example of a handheld devices connecting to the VCS is via a USB port. The passenger's handheld device may be connected using a USB port connected to the VCS. The driver and/or vehicle owner may approve the connection between the passengers handheld device with the VCS. The driver and/or vehicle owner may select certain restrictions and priority levels associated with the occupant's handheld device.

[0070] The system may also use signed and privileged applications. For example, general applications may be signed with a VIN-specific certificate that allows them to interact only with specific vehicle(s). Certificates will be attached to the application install when the vehicle owner, driver, or passenger obtains the application from the distribution model. Each certificate may contain an encrypted copy of a VIN-specific key and the application's identity. Upon connecting to the service, the application identity string and certificate are sent. The system decrypts the certificates, and verifies that the VIN key matches the module, and that the application identity matches that

which is sent from the application. If both strings do not match, further messages from the application may not be honored. Multiple keys may be included with an application install to allow the application to be used with multiple vehicles.

[0071] In another illustrative example, privileged applications must run natively on the module itself. These applications must go through a standard code signing process required for all local applications. Applications that go through this process may not suffer from the same impersonation weakness experienced by general applications.

[0072] In addition to acting as a through-way for published data, the vehicle computing system itself could publish data for subscription. For example, GPS data linked to the vehicle computing system could be published by the vehicle computing system and subscribed to by applications desiring to use the data. These are just a few non-limiting examples of how publication/subscription can be used in conjunction with the illustrative embodiments.

[0073] Figure 3 is an illustrative example of configuring the infotainment system offline and synchronizing the configuration with the vehicle before a driving event. This includes configuration of the infotainment system 300 when a driver develops a favorable configuration offline with a handheld device using an application, then pushes the configuration to the VCS using a driver-only connection point. The driver may configure specific features or function to display when driving the vehicle by using an application on a nomadic device offline and to later synchronize the configuration to the VCS. The offline application may include, but not limited to, configuring of the instrument panel, centralized control display, seat position, and ambient lighting within the vehicle. The configuration may include the display of data on the instrument panel, for example, the presentation of fuel economy data or navigation information.

[0074] Once the configuration has been done offline with the use of the nomadic device application to, for example, without limitation, a smart phone application, the configuration may be synced with the VCS. At step 302, using BLUETOOTH communication with the VCS and a smart phone, the driver enables the smart phone to connect with the VCS to begin the hands-free transmission of the offline configuration to the VCS. If the smart phone device has been already

paired with the VCS, the smart phone will automatically connect when it is within certain proximity of the VCS.

[0075] At step 304, once the smart phone has been brought into proximity of the VCS the BLUETOOTH synchronization may begin. Once the smart phone is synchronized with the VCS, the driver may select the configuration application to send over to the VCS. At step 306, the smart phone may begin transmitting the configuration data over to the VCS. Once the configuration has been sent, the VCS may begin to initialize the systems in response to the offline configuration data.

[0076] At step 308, the centralized control display may notify the driver when the synchronization is taking place and when it is complete. Once complete, the centralized control display may be configured based on the offline configuration application settings. For example, the centralized control display may be configured to the radio preset settings requested by the driver and configured based off the synchronization of the offline configure application settings to the VCS. At step 310, the instrument panel (or display information center) may be configured to display certain features and settings based on the offline configuration application settings. For example, the instrument panel may display specific information requested by the driver based on the offline configuration applications settings including, but not limited to, navigation directions, fuel economy information, display color and graphics, or engine performance parameters.

[0077] Figure 4 is an example of embodiments disclosing several infotainment features an occupant may communicate with using their nomadic device connected to the vehicle-based computer. The infotainment features that a customer may control using their nomadic device 400 may include, but is not limited to, navigation directions, destination information, vehicle climate controls, seat adjustment, and music selection. The infotainment features may be shared or adjusted by the customer's nomadic device interfacing with the VCS. The driver may set restrictions on what options or features an occupant may have access to control, adjust, download and/or share.

[0078] One of the embodiments of infotainment features shown in Figure 4 includes, but is not limited to, navigation directions 402 interaction with the occupant's smart phone communicating with the VCS. Once the occupant is communicating with the VCS, he may be allowed to update the navigation display controls within the navigation system while the vehicle is parked or in motion.

The passenger's handheld device may update the vehicle navigation system by outputting information from the handheld device to the VCS. The occupant interaction with navigation information allows for information to be communicated to the driver through the occupant's handheld device to the VCS, and displayed on the instrument panel or centralized control display. Many in-vehicle navigation system controls are locked when a vehicle is in gear or in motion, thus preventing a vehicle driver to update navigation destination inputs unless the vehicle is parked. Instead of preventing interaction with the navigation system while the vehicle is in motion, a passenger may control the navigation input using their handheld device in communication with the VCS while the vehicle is in motion. Allowing a passenger to control navigation input with their handheld device may help the driver reach their destination without requiring to pull the vehicle over to park and update the navigation system.

[0079] Another exemplary infotainment feature is the information feature allowing the occupant to display destination data 404 to the instrument panel or centralized control display. The destination data may include, but is not limited to, a point of interest, or a certain destination category the occupant may be looking for. The destination information may be looked up by the occupant and presented to the other occupants or driver within the vehicle using the infotainment LCD touchscreen, driver's instrument panel, or the other handheld devices connected to the VCS. This information may include, but is not limited to, weather conditions, traffic, and/or points of interest located around the vehicles current location.

[0080] An exemplary embodiment may be route determination or navigation direction 402 sent by the occupant's handheld device to the VCS. Many vehicle navigation systems prohibit a vehicle occupant from entering a new destination into the navigation system once the vehicle is moving. Allowing an occupant to be able to interact with the VCS using their handheld device may improve the driving experience when traveling to an unknown destination or if the driver needs additional directions. The vehicle displayed navigation information may be updated by an occupant's handheld device transmitting a message to the VCS.

[0081] An occupant's nomadic device connected to the VCS may also share information including, but not limited to, music, movies, and other entertainment features 406 that may be transmitted to the VCS. For example, the nomadic device may share a play list or music selection

and transmit this to the VCS allowing for the music to be heard over the vehicle's entertainment system. An occupant in the back seat may now be able to share information from their smart phone, and distribute to the VCS entertainment system at the same time other occupants are connected to the VCS. The passenger in the front seat may enjoy the playlist that was shared by the backseat passenger and download it to their handheld device from the VCS. The transmitting of a playlist and/or receiving a playlist from a passenger to another passenger within the vehicle compartment may be done with the use of the VCS as an interface.

[0082] The occupants may also control the environment of the vehicle by allowing adjustment of certain climate features including, but not limited to, temperature, fan speed, heated or cooled seats, and seat position 408. With the popularity of smart phones, this feature may allow the elimination of additional control knobs and buttons throughout the occupant side and rear seats of the vehicle. The occupant's smart phone connected to the VCS may also be used to control the climate within the occupant's area of the vehicle and positioning of the occupant's seat. The passenger's handheld device may control these features and functions with the use of a software application, or once connected to the VCS as a Ghost Control with a host program installed on the VCS. The VCS may synchronize while pushing software onto the handheld device so that it is configured to control certain infotainment features and functions.

[0083] Figure 5 is a flow chart illustrating an example method of a nomadic device controlling selected vehicle features. The nomadic device may be connected to the VCS to control vehicle features 500 using a USB port, or wirelessly with BLUETOOTH technology. The nomadic device, for example, a smart phone, may download an application that configures the smart phone to interact with the VCS at step 502.

[0084] At step 504, the connection of the nomadic device to the VCS may begin once the device connects using the USB port or is within the range to be detected by BLUETOOTH. Once the smart phone is connected to the VCS an attempt to synchronize the device with the system may begin at step 506. If the device is connected, synchronization may begin allowing the smart phone to access vehicle features that can be adjusted, updated, or modified at step 508. The synchronization step may include, but not limited to, having the smart phone configured to have the vehicle features' current settings shown on the smart phone display screen.

[0085] At step 510, after synchronization, the occupant may select a vehicle feature to control. Using their handheld device, the occupant may have control of vehicle systems, including but not limited to, climate control, navigation command, and/or media selection. For example, the navigation feature may be locked out once the vehicle is moving causing no input by any occupant in a vehicle. With the use of multiple occupant nomadic device connections to the VCS, a passenger may command a navigation direction using their smart phone and communicate this information to update the VCS for display to the driver. At step 512, the occupant may use their nomadic device to include, but not limit, send navigation directions to the vehicle display, adjust climate controls, command media displays, or control their seat position.

[0086] At step 514, the occupant may send the control options using their smart phone to the VCS. The VCS may receive the information and process the request from the smart phone to update/adjust vehicle features at step 516. This allows a vehicle occupant to update a portion of infotainment control input from their non-driver handheld computing device to a vehicle display. The occupant may continue to operate the selected vehicle feature using their smart phone or decide to select another vehicle feature to control at step 518. Once the occupant has completed their request using their nomadic device, they may have the option to exit the application at step 520.

[0087] Figure 6 is a flow chart illustrating an example method of a driver restricting a passenger's nomadic device control of vehicle features. The driver or owner of the vehicle may limit the use of an occupant's control of vehicle features using their nomadic device 600. At step 602, the driver may set passenger restrictions to prevent the occupant from controlling certain vehicle features with their nomadic device. For example, the driver may restrict the passenger from operating media controls like volume adjustment using their smart phone. Another exemplary example may be the driver limiting the passengers in the rear seats from operating climate controls.

[0088] At step 604, once an occupant enters a vehicle, their nomadic device may be connected to the VCS. The occupant may connect their nomadic device with the VCS using, but not limited to, USB, BLUETOOTH, or other means of connecting for communication between the device and system. At step 606, the VCS may recognize the occupant's nomadic device and allow connection to the system. If the VCS does not recognize the occupant's nomadic device it may decline connection to the system. The driver may inhibit or limit certain occupant connections based

on previously set occupant restrictions. If the nomadic device is connected by the VCS, the system may start synchronization with the nomadic device at step 608. Synchronization includes, but not limited to, the current control status of the vehicle features from the VCS to the nomadic device.

[0089] At step 610, the driver or owner of the vehicle may allow synchronization of certain nomadic devices. For example, the owner of the vehicle may not allow passenger synchronization of multiple nomadic devices when someone other than the owner is driving the vehicle. In the event the vehicle detects that the driver is the owner of the vehicle, the VCS may grant all passenger nomadic device synchronization requests. In the event the vehicle detects that the driver is a secondary driver (e.g. temporary user, teenager, employee, etc.), the vehicle may not allow synchronization of passenger nomadic devices at step 612.

[0090] At step 614, the passenger may select a vehicle feature to control once the nomadic device has been synchronized with the VCS. For example, the passenger's smart phone may select media controls and push a playlist from their smart phone to the VCS to play over the vehicle's entertainment system. The passenger may adjust and control the selected vehicle feature that may include, but not limited to, selecting the song to play, controlling music volume, and/or adjusting tuning features of the entertainment system at step 616.

[0091] At step 618, once the passenger adjusts the selected vehicle feature they may have the option to send that change to the VCS. Once the passenger verifies the adjustment or control command of the selected vehicle feature, the nomadic device is enabled to transmit instruction and commands to the VCS. At step 620, the VCS may receive the transmitted commands from the passenger's nomadic device.

[0092] At step 622, the VCS may look at the command from the passenger's nomadic device and check to see if the driver has set certain restrictions to either prevent or allow the commanded control of the vehicle feature. If no driver restrictions are present, the VCS may allow the passenger's nomadic device requested control command. If there are driver restrictions in place, the VCS updates the passenger's control command vehicle feature based on the restrictions at step 626. It must be stated that the VCS may prioritize passenger's nomadic device commanded controls requested allowing a ranking between the multiple nomadic devices connected to the VCS at the

same time. The prioritization may be configured by the driver, owner or other passengers communicating with the VCS.

[0093] At step 628, the passenger may continue to instruct and control the selected vehicle feature, or select another vehicle feature to control. If the passenger selects another vehicle feature to control, the VCS may limit the amount of control allowed to the passenger based on the owner or driver restrictions. At step 630, the passenger may request to exit the interaction with the VCS, and disconnect communication from the system.

[0094] Figure 7 is a block system architecture of a vehicle computing system having a user-interactive information display system controlled by an occupant's nomadic device. The system may have a driver, front seat passenger, and rear seat passenger simultaneously communicating information using their handheld devices to send information from their device and share it with the VCS. The driver handheld device 702 may connect with the VCS using, but not limited to, a USB connection or wirelessly using BLUETOOTH technology. The front seat passenger handheld device 704 may connect with the VCS using, but not limited to, a USB connection or wireless using BLUETOOTH. The rear seat passenger handheld device 706 may connect with the VCS using, but not limited to, a USB connection or wireless using BLUETOOTH.

[0095] The system may have a connection 708 allowing occupants to connect their nomadic device to the VCS allowing the system to recognize the device. If the system recognizes the nomadic device, it may connect and begin communication using the systems communication manager 710. The communication manager may assign a priority for each device connected to the VCS. Priority of which handheld device may communicate with a vehicle function or feature when multiple devices are trying to communicate at the same time may be configured by the driver or vehicle owner. An example of priority of which handheld device may override the other devices connected to the VCS may be set to enforce the front passenger to have priority over the back seat passengers. Another example of priority being configured when multiple handheld devices are communicating with the VCS may be that if the driver's handheld device is commanding a playlist, the passengers may not override that infotainment function.

[0096] Once communication begins with the connected nomadic device, the system may synchronize the current control status of the vehicle features from the VCS to the nomadic device with the use of the systems management arbitration 712. The synchronization of the current control status may allow the handheld device to see the settings of the selected vehicle feature or function is currently set at. For example, once the handheld device is synchronized with the VCS the passenger may see on the handheld device screen that the current climate control temperature is set at 65 degrees.

[0097] The VCS 714 may communicate with the passenger's nomadic device and allow adjustment and controls of vehicle features to take place by the passenger. If the owner or driver configured limited passenger controls of vehicle features, the VCS may restrict or limit some of the passenger commands. Based off the passenger's commands, the VCS may display information to the driver at the instrument panel display 718. The VCS may also display updates, or adjustments made by the passenger to the vehicle control feature at the center stack vehicle display 720. An example of a passenger command being displayed at the instrument panel and/or center stack display may be a passenger sending navigation destination data from their nomadic device to the VCS. For example, if the passenger has looked up a destination that may need to be communicated to the driver, he may connect his smart phone to the VCS and transmit the data from the smart phone to the system for driver display.

[0098] An example of a passenger sending data to the audio/media module 722 of the VCS. If the passenger sends a request to play a certain song or play list, the command may be sent from the passenger's nomadic device to the audio/media system of the vehicle allowing the information on the nomadic device to be transmitted to the VCS for sharing. The instruction and commands by the vehicle passenger using their handheld device to communicate with the VCS and other vehicle control modules may exchange the commands via one or more vehicle communication networks 716. Other vehicle systems and features that may communicate with the passenger's nomadic device may include, but is not limited to, climate control, navigation system, and passenger seat controls.

[0099] In another example, the passengers may transmit and download data to the VCS. For example, if a rear seat passenger enjoys a playlist that was transmitted from the front seat passenger

to the VCS, the rear seat passenger may download that playlist from the VCS to their nomadic device. The passengers may be able to exchange information with each other from their nomadic devices while connected to the VCS.

[0100] Figure 8 is a graphical representation of one embodiment of using a seat to identify nomadic device communication control with a vehicle computing system. A passenger detection system integrated with the vehicle computing system may allow a nomadic device to communicate VCS functionality controls based on where the passenger is located in the vehicle. This interface embodiment may be implemented to disable certain ‘locked out’ functionality while the vehicle is in motion. For example, the navigation display may ‘lock out’ user input if the vehicle is moving. This attempt to ‘lock out’ certain functionality of a device, feature, or product may be done in the assumption that the user is possibly operating a moving vehicle. In this embodiment, the VCS may detect a nomadic device to a non-driver using a physical connection and/or wireless antenna in connection with one or more seat sensors.

[0101] The VCS may allow control of vehicle features and functions with the use of a brought-in device including, but not limited to, a mobile phone, media player and/or tablet. Passenger interaction with the VCS may be determined where the device is connected to the VCS in the vehicle, using wire and/or wireless technology including, but not limited to, USB and BLUETOOTH technology. In an embodiment shown in Figure 8, the physical connection port 814 is securely mounted to the passenger seat 802. The arrangement allows for employing a system and method for interconnecting a passenger’s brought-in handheld device by detecting where the passenger is located in the vehicle. The passenger detection system may monitor one or more seat inputs including, but not limited to, physical connection port 814, vehicle seat wireless transceiver 810, and/or a passenger detection sensor 808. For example, if the passenger connects the nomadic device to the physical connection port 814 (e.g. USB) on the seat, the VCS may detect that the passenger is connecting from that seat 802 by receiving the physical connection port address and/or monitoring the one or more seat sensors 804, 806, 808.

[0102] In the example given above, the VCS may determine the amount of access and control a nomadic device may have based on the passengers location in the vehicle. In another example, if the driver connects their nomadic device into the physical connection port 814 of a

passenger backseat to try and override the system based on nomadic device location allowing the driver to control 'lock out' features when the vehicle is moving, this system may detect that the driver is not located in the backseat based on one or more seat sensors therefore denying the request for greater VCS control of features and functions that may be allowed to a backseat passenger.

[0103] The seat 802 may contain one or more sensors to validate an occupant presence at that seating position in the vehicle. The seat 802 may contain one or more back sensors 804, and one or more seat sensors 806 to ensure an occupant is present in that seat. The seat 802 may also have one or more additional sensors 808 that may detect one or more occupant features including, but not limited to, body temperature, and/or a weight sensor. The seat sensors may be placed on all seats in the vehicle including, but not limited to, front seats, backseats, and/or bench seating.

[0104] The seat 802 may also contain a module and/or wireless transceiver 810 having an antenna 812. The module and/or wireless transceiver 810 may communicate to the VCS a detected nomadic device using wireless technology. The module and/or transceiver 810 may be able to identify the location of the passenger based on the detected wireless technology. The VCS may also determine the location of the passenger in the vehicle using the received wireless detection of the nomadic device from the seat transceiver in combination with the one or more seat sensors. For example, if a passenger is sitting in the backseat, the wireless transceiver in the backseat may detect a stronger signal than the wireless transceiver in the driver's seat and/or front passenger seat. The VCS may determine nomadic device location based on the signal strength of the identified wireless device using analysis between one or more wireless transceivers embedded in the vehicle seats and/or vehicle passenger cabin.

[0105] In another embodiment, in addition to or in combination of the one or more seat sensors, the vehicle may implement an in-vehicle camera system to identify where a passenger is located in the vehicle before allowing access to vehicle features and functions using the passenger's nomadic device. The in-vehicle camera system may eliminate the use of seat sensors and communicate passenger location to the VCS. The camera system may also communicate with the one or more seat inputs to determine a location of the passenger and the detected nomadic device. The in-vehicle camera system may have a camera mounted on the dashboard.

[0106] For example, a passenger may be in the passenger seat of the vehicle and the module and/or wireless transceiver 810 may detect the nomadic device to initiate a handshake between the VCS and detected device. The module and/or transceiver 810 may communicate to the VCS that the wireless device was detected at the passenger seat. The VCS may receive input from the camera system to verify that the occupant is a non-driver and is located in the passenger seat to allow greater access to remote control one or more vehicle features that may normally be ‘locked out’ when the vehicle is moving using the passenger’s mobile device.

[0107] Figure 9 is a flow chart illustrating an example method of a vehicle computing system detecting occupant location using connected devices. The passenger nomadic device detection process communicating with the VCS may be implemented through a computer algorithm, machine executable code, non-transitory computer readable storage medium, or software instructions programmed into a suitable programmable logic device(s) of the vehicle, such as the VCS, the entertainment module, other controller in the vehicle, or a combination thereof. Although the various steps shown in the passenger nomadic device detection process flowchart diagram appear to occur in a chronological sequence, at least some of the steps may occur in a different order, and some steps may be performed concurrently or not at all.

[0108] At step 902, the VCS may detect a nomadic device using wireless technology and/or by detecting a connection using a physical port. The wireless technology may include, but is not limited to BLUETOOTH technology, WiFi, and/or WiMax network. The VCS may determine if the detected mobile device may have been previously paired with the system at step 904. In another embodiment, the system may not require pairing of the nomadic device.

[0109] At step 906, if the nomadic device was not recognized by the VCS the system may begin the pairing process of the nomadic device. After the nomadic device has been paired with the VCS, the system may begin to determine the location of the device using BLUETOOTH technology at step 908. For example, the nomadic device may be located in the backseat of the vehicle using a wireless antenna located in the backseat. The VCS may determine that the wireless antenna in the backseat has a stronger BLUETOOTH signal, and transmit that data to the VCS for further analysis. In addition to the backseat wireless transceiver having an antenna detecting the nomadic device BLUETOOTH signal in the backseat, the VCS may also determine nomadic device location by

receiving vehicle seat sensor information from the backseat. In addition to receiving backseat sensor data, the VCS may determine if the driver's nomadic device is in communication with the VCS to ensure that the proper assignment of control is established between the driver's nomadic device and the non-driver's nomadic device.

[0110] At step 910, the VCS may determine the location of the nomadic device in the vehicle based on physical connections. The nomadic device may be detected by the VCS by a physical connection (e.g. USB) to a port located in the passenger's seat. The physical ports may be assigned with a hardware address so that the VCS may recognize where the nomadic device is being plug in for communication with one or more vehicle features and functions. In combination with determining the location of the nomadic device based on the physical connection port location in the vehicle, the VCS may also look at one or more systems to determine if a passenger is actually at that location. The one or more systems to determine if a passenger is actually at a location in a vehicle may include, but is not limited to vehicle seat sensors, and/or at least one camera.

[0111] At step 912, once the nomadic device is recognized the system may perform an analysis of the passenger's nomadic device location using one or more seat sensors in a vehicle. If the system discovers that one nomadic device has been detected, however there is a driver and a non-driver in the vehicle based on the one or more seat sensors, then the system may determine whether or not the nomadic device belongs to the driver using one or more methods at step 914. The one or more methods to determine whether a nomadic device belongs to a driver may include, but is not limited to, previous pairing of the nomadic device, location of the nomadic device in the vehicle cabin using wireless detection, and/or the physical connection of the nomadic device using an assigned USB port.

[0112] At step 916, if the nomadic device belongs to a driver, then the VCS may allow limited control of features and functions from that device. The limited control of features and functions may include 'locking out' one or more inputs to vehicle infotainment controls while the vehicle is moving including, but not limited to, navigation control inputs, radio selections, and/or one or more applications based off the nomadic device communicated to the VCS.

[0113] At step 920, if the detected nomadic device belongs to a non-driver, the system may determine the amount of control that may be allowed to the non-driver nomadic device. The driver may limit certain vehicle features and functions that a non-driver nomadic device may control including, but not limited to entertainment control, climate control, and/or navigation control. For example, the driver may deny vehicle infotainment control from a backseat passenger's non-driver nomadic device while allowing control to another detected passenger nomadic device sitting in the front passenger seat in a vehicle. The driver and/or vehicle owner may allow or limit a passenger control of vehicle features and function using their nomadic device at step 922. The driver may use the vehicle infotainment system interface to adjust settings and/or limits on a passenger's nomadic device remote control access of the infotainment system. If the driver input rejects a passenger's nomadic device to communicate with one or more vehicle features, the passenger's device may end communication with the VCS at step 926.

[0114] At step 918, once the nomadic device is allowed remote infotainment control of vehicle features and/or functions, the user may select one or more vehicle features to control using their device. The nomadic device may continue to control the selected feature and/or decide to exit and select another vehicle feature at step 924. If the nomadic device user decides that she is done communicating with the VCS, and/or the vehicle system has powered down, the nomadic device may end communication to the system at step 926.

[0115] While exemplary embodiments are described above, it is not intended that these embodiments describe all possible forms of the invention. Rather, the words used in the specification are words of description rather than limitation, and it is understood that various changes may be made without departing from the spirit and scope of the invention. Additionally, the features of various implementing embodiments may be combined to form further embodiments of the invention.

WHAT IS CLAIMED IS:

1. A non-transitory computer readable storage medium, storing instructions that, when executed by a processor, configure the processor to:
 - establish a communication connection with at least one of a plurality of handheld computing devices within a vehicle;
 - determine if the at least one of a plurality of handheld computing devices is a driver or non-driver handheld computing device based on a detected location of the communication connection;
 - if it is determined that the at least one of a plurality of handheld computing devices is a non-driver handheld computing device, enable infotainment control from the non-driver handheld computing device; and
 - if it is determined that the at least one of a plurality of handheld computing devices is a driver handheld computing device, limit infotainment control from the driver handheld computing device.
2. The computer readable storage medium of claim 1 wherein the detected location of the communication connection is established at a seat.
3. The computer readable storage medium of claim 2 wherein the seat includes at least one vehicle seat sensor.
4. The computer readable storage medium of claim 2 wherein the seat includes a physical connection port.
5. The computer readable storage medium of claim 2 wherein the seat includes a wireless transceiver.
6. The computer readable storage medium of claim 5 wherein the wireless transceiver is BLUETOOTH technology.

7. The computer readable storage medium of claim 2 wherein the seat includes communication with an in-vehicle camera system.

8. The computer readable storage medium of claim 1 additionally storing instructions to receive driver input limiting the infotainment control from the non-driver handheld computing device.

9. A vehicle computing system comprising:
one or more processors configured to:
establish a communication connection with at least one of a plurality of handheld computing devices within a vehicle;
determine if the at least one of a plurality of handheld computing devices is a driver or non-driver handheld computing device based on a detected location of the communication connection;
if it is determined that the at least one of a plurality of handheld computing devices is a non-driver handheld computing device, enable infotainment control from the non-driver handheld computing device; and
if it is determined that the at least one of a plurality of handheld computing devices is a driver handheld computing device, limit infotainment control from the driver handheld computing device.

10. The vehicle computing system of claim 9 wherein the detected location of the communication connection is established at a seat.

11. The vehicle computing system of claim 10 wherein seat includes a physical connection port.

12. The vehicle computing system of claim 10 wherein seat includes a vehicle seat wireless transceiver.

13. The vehicle computing system of claim 12 wherein the wireless transceiver is BLUETOOTH technology.

14. The vehicle computing system of claim 10 wherein the seat includes at least one vehicle seat sensor.

15. The vehicle computing system of claim 9 wherein the one or more processors are additionally configured to allow a driver to limit infotainment control from the non-driver handheld computing.

16. A computer-implemented method for providing remote infotainment control using one or more handheld computing devices, comprising:

establishing a communication connection with the one or more handheld computing devices within a vehicle;

detecting a location of the communication connection; and

enabling infotainment control if the detected location is a non-driver location in the vehicle.

17. The method of claim 16 wherein the location of the communication connection includes using one or more seat inputs.

18. The method of claim 17 wherein the one or more seat inputs includes a wireless transceiver.

19. The method of claim 17 wherein the one or more seat inputs includes at least one passenger detection sensor.

20. The method of claim 17 wherein the one or more seat inputs includes a physical connection port address.

ABSTRACT

A vehicle computing system enabling one or more processors to establish a communication connection with at least one of a plurality of handheld computing devices within a vehicle while enabling and determining infotainment control based on the location of the handheld device in the vehicle. The system may determine if the at least one of a plurality of handheld computing devices is a driver or non-driver handheld computing device based on a detected location of the communication connection. The system may determine that the at least one of a plurality of handheld computing devices is a non-driver handheld computing device based on the detected location, therefore enabling infotainment control from the non-driver handheld device. The system may determine that the at least one of a plurality of handheld computing devices is a driver handheld computing device based on the detected location, therefore limiting infotainment control from the driver handheld device.

Please direct all correspondence to: 28395

Attorney Docket Number 83355966

**ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN
APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)**

Title of Invention **SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION
USING CONNECTED DEVICES**

This declaration is directed to:

☒ The attached application, or
United States application or PCT international application number
13/839,717 filed on March 15, 2013

The above-identified application was made or authorized to be made by me.

I hereby state that I have reviewed and understand the contents of the specification in the above-identified application, including the claims.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Pursuant to my employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto FORD GLOBAL TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own name or names, or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filing date of the application to receive Letters Patent herein: Serial No. _____, Filing Date _____), and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.

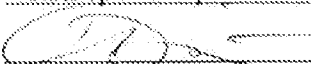
And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein sold, assigned and set over.

And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.

LEGAL NAME OF INVENTOR

Inventor: Christopher Joseph Demetriuk Date: 15 MAR 2013

Signature: 

Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional declaration form for each additional inventor.

Electronic Acknowledgement Receipt

EFS ID:	15338949
Application Number:	13839717
International Application Number:	
Confirmation Number:	3389
Title of Invention:	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES
First Named Inventor/Applicant Name:	Christopher Joseph Demeniuk
Customer Number:	28395
Filer:	Marco J. Gatti/Gayle Lorenzen
Filer Authorized By:	Marco J. Gatti
Attorney Docket Number:	83355966
Receipt Date:	26-MAR-2013
Filing Date:	
Time Stamp:	09:24:08
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Oath or Declaration filed	Declaration.pdf	358099 d0cc0378fd3a2aa84342f69f805f818e70e26372	no	1

Warnings:

Information:

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.

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

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 application of:

CHRISTOPHER JOSEPH DEMENIUK et al.

Serial No.: 13/839,717

Filed: March 15, 2013

For: SYSTEM AND METHOD OF DETERMINING OCCUPANT
LOCATION USING CONNECTED DEVICES

Attorney Docket No.: 83355966

Conf. No.: 3389

Art Unit: 2835

Examiner: Not Assigned

**PETITION TO CORRECT INVENTORSHIP
UNDER 37 C.F.R. §1.48**

Commissioner for Patents
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This is a petition to correct inventorship set forth in the U.S. Application No. 13/839,717 which was filed on March 15, 2013. Please correct the inventorship by adding David Anthony Hatton as inventor. Accompanying this Petition are the following documents:

1. An executed Declaration;
2. Supplemental Application Data Sheet; and

3. The fee of \$130.00 set forth in §1.17(i). Any additional fees or overpayments should be charged to the Deposit Account of Ford Global Technologies, LLC, No. 06-1510.

Respectfully submitted,

CHRISTOPHER JOSEPH DEMENIUK et al.

By: /Marco J. Gatti/

Marco J. Gatti

Reg. No. 70,959

Attorney for Applicants

Date: May 17, 2013

BROOKS KUSHMAN P.C.
1000 Town Center, 22nd Floor
Southfield, MI 48075-1238
Phone: 248-358-4400
Fax: 248-358-3351

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN
APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)**

Title of Invention **SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING
CONNECTED DEVICES**

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ The attached application, or
- ☒ United States application or PCT international application number
13/839,717 filed on March 15, 2013. (I hereby authorize the
insertion of the application filing date and number when they become known.)

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.

LEGAL NAME OF INVENTOR

Inventor: David Anthony Hatton

Date: 5/15/2013

Signature: David Anthony Hatton

Page 1 of 1 (Supplemental Sheet with Additional Joint Inventors is attached if necessary)

Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

REPLACEMENT SHEET

PTO/AIA/14 (08-12)
Approved for use through 01/31/2014. OMB 0551-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	83355986
		Application Number	
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		
<small>The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.</small>			

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--

Inventor Information:

Inventor 1						Remove	
Legal Name							
Prefix	Given Name	Middle Name		Family Name		Suffix	
	Christopher	Joseph		Demetriuk			
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service							
City	Shelby Township	State/Province	MI	Country of Residence	US		
Mailing Address of Inventor:							
Address 1		11917 Whispering Oak Lane					
Address 2							
City	Shelby Township	State/Province		MI			
Postal Code	48315	Country		US			
Inventor 2						Remove	
Legal Name							
Prefix	Given Name	Middle Name		Family Name		Suffix	
	David	Anthony		Hutton			
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service							
City	Berkley	State/Province	MI	Country of Residence	US		
Mailing Address of Inventor:							
Address 1		2848 Kenmore Road					
Address 2							
City	Berkley	State/Province		MI			
Postal Code	48072	Country		US			
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.							
						Add	

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	83355966
	Application Number	
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES	

☐ An Address is being provided for the correspondence information of this application.

Customer Number	28395
Email Address	<input type="button" value="Add Email"/> <input type="button" value="Remove Email"/>

Application Information:

Title of the Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		
Attorney Docket Number	83355966	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		Sub Class (if any)	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)	10	Suggested Figure for Publication (if any)	9

Publication Information:☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)**Request Not to Publish.** I hereby request that the attached application not be published under☐ 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.**Representative Information:**

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.			
Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.8)
Customer Number	28395		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.			
Prior Application Status	Pending	<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
13/839717	Continuation in part of	13709699	2012-12-10

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	83355986
	Application Number	
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES	

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(a).

			Remove
Application Number	Country ¹	Filing Date (YYYY-MM-DD)	Priority Claimed
			☐ Yes ☒ No
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices
<p>If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.</p> <p>In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.</p> <p>In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.</p>

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

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PTO/AIA/14 (08-12)

Approved for use through 01/31/2014. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	83355966
	Application Number	
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES	

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

- ☒ Assignee ☐ Legal Representative under 35 U.S.C. 117 ☐ Joint Inventor
- ☐ Person to whom the inventor is obligated to assign. ☐ Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :

If the Applicant is an Organization check here. ☒

Organization Name Ford Global Technologies, LLC

Mailing Address Information:

Address 1 Fairlane Plaza South, Suite 800

Address 2 330 Town Center Drive

City Dearborn

State/Province MI

Country US

Postal Code 48126

Phone Number

Fax Number

Email Address

Additional Applicant Data may be generated within this form by selecting the Add button.

Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section only if non-applicant assignee information is desired to be included on the patent application publication in accordance with 37 CFR 1.215(b). Do not include in this section an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest), as the patent application publication will include the name of the applicant(s).

If the Assignee is an Organization check here. ☐

REPLACEMENT SHEET

PTO/AIA/14 (09-12)

Approved for use through 01/31/2014. OMB 0851-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	83355966
		Application Number	
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information:

Address 1			
Address 2			
City		State/Province	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee Data may be generated within this form by selecting the Add button.

Signature:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications

Signature	/Marco J. Gatti/		Date (YYYY-MM-DD)	2013-05-17	
First Name	Marco	Last Name	Gatti	Registration Number	70959

Additional Signature may be generated within this form by selecting the Add button.

This collection of information is required by 37 CFR 1.76. 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 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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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The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	13839717			
Filing Date:	15-Mar-2013			
Title of Invention:	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES			
First Named Inventor/Applicant Name:	Christopher Joseph Demeniuk			
Filer:	Marco J. Gatti/Susan Olson			
Attorney Docket Number:	83355966			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
OTHER PUBLICATION PROCESSING FEE	1808	1	130	130
Total in USD (\$)				130

Electronic Acknowledgement Receipt

EFS ID:	15797302
Application Number:	13839717
International Application Number:	
Confirmation Number:	3389
Title of Invention:	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES
First Named Inventor/Applicant Name:	Christopher Joseph Demeniuk
Customer Number:	28395
Filer:	Marco J. Gatti/Susan Olson
Filer Authorized By:	Marco J. Gatti
Attorney Docket Number:	83355966
Receipt Date:	17-MAY-2013
Filing Date:	15-MAR-2013
Time Stamp:	15:28:42
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$130
RAM confirmation Number	2073
Deposit Account	061510
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part / .zip	Pages (if appl.)
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1	Request under Rule 48 correcting inventorship	Petition.pdf	19074 9ba9d485a3d2798bb2c75d66261f8478f0074af3	no	2
Warnings:					
Information:					
2	Oath or Declaration filed	DeclarationHatton.pdf	67761 1a206a4da80ed34b107302c22d70ea3116dec828	no	1
Warnings:					
Information:					
3	Application Data Sheet	ADSreplacement.pdf	670121 d2d296451905ba109d281fd2303b985605072d23	no	6
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
4	Fee Worksheet (SB06)	fee-info.pdf	30368 2d55e4207c0143343f7efb7452efcd6deb2995fa	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			787324		
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 05/23/2014

CVORACHA	SALE	#00000011	Mailroom Dt:	05/17/2013	061510	13839717
		01 FC : 1830		140.00 DA		

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 05/23/2014

CVORACHA	ADJ #00000002	Mailroom Dt: 05/17/2013		
	Seq No: 2073	Sales Acctg Dt: 05/20/2013	061510	13839717
	01 FC : 1808	130.00 CR		



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United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
13/839,717	03/15/2013	2835	1390	83355966	20	3

CONFIRMATION NO. 3389

28395
BROOKS KUSHMAN P.C./FGTL
1000 TOWN CENTER
22ND FLOOR
SOUTHFIELD, MI 48075-1238

FILING RECEIPT



Date Mailed: 05/22/2013

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Christopher Joseph Demeniuk, Shelby Township, MI;

Applicant(s)

FORD GLOBAL TECHNOLOGIES, LLC, Dearborn, MI

Assignment For Published Patent Application

FORD GLOBAL TECHNOLOGIES, LLC, Dearborn, MI

Power of Attorney: The patent practitioners associated with Customer Number 28395

Domestic Priority data as claimed by applicant

This application is a CIP of 13/709,699 12/10/2012

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 05/16/2013

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/839,717**

Projected Publication Date: 06/12/2014

Non-Publication Request: No

Early Publication Request: No

Title

SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES

Preliminary Class

361

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 13/839,717	
APPLICATION AS FILED - PART I							
(Column 1)		(Column 2)		SMALL ENTITY		OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	280
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	600
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	720
TOTAL CLAIMS (37 CFR 1.16(j))	20	minus 20 = *			OR	x 80 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3	minus 3 = *				x 420 =	0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL		TOTAL	1600
APPLICATION AS AMENDED - PART II							
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus **	=	x =	OR	x =
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =	OR	x =
	Application Size Fee (37 CFR 1.16(s))					OR	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR	
				TOTAL ADD'L FEE		TOTAL ADD'L FEE	
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus **	=	x =	OR	x =
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =	OR	x =
	Application Size Fee (37 CFR 1.16(s))					OR	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR	
				TOTAL ADD'L FEE		TOTAL ADD'L FEE	
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.							



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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/839,717	03/15/2013	Christopher Joseph Demeniuk	83355966

28395
BROOKS KUSHMAN P.C./FGTL
1000 TOWN CENTER
22ND FLOOR
SOUTHFIELD, MI 48075-1238

CONFIRMATION NO. 3389
POA ACCEPTANCE LETTER



Date Mailed: 05/22/2013

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 03/15/2013.

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.

/jchery/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



UNITED STATES PATENT AND TRADEMARK OFFICE

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www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/839,717	03/15/2013	Christopher Joseph Demeniuk	83355966

28395
BROOKS KUSHMAN P.C./FGTL
1000 TOWN CENTER
22ND FLOOR
SOUTHFIELD, MI 48075-1238

CONFIRMATION NO. 3389
IMPROPER CFR REQUEST



OC000000066898170

Date Mailed: 02/28/2014

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Power of Attorney, Claims, Fees, System Limitations, and Miscellaneous

In response to your request for a corrected Filing Receipt, the Office is unable to comply with your request because:

- The request to correct inventorship under 37 CFR 1.48(a) is deficient because a corrected or updated application data sheet (ADS) (or a supplemental ADS for applications filed before 9/16/12) in compliance with 37 CFR 1.76 (including markings showing the changes) has not been submitted. Any renewed request must include a corrected or updated ADS (or supplemental ADS for applications filed before 9/16/12) in compliance with 37 CFR 1.76 that identifies the information being changed, with underlining for insertions, and strike-through or brackets for text removed.

/gasgedom/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	83355966
		Application Number	13/839,717
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--

Inventor Information:

Inventor 1					Remove		
Legal Name							
Prefix	Given Name		Middle Name		Family Name		Suffix
	Christopher		Joseph		Demeniuk		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service							
City	Shelby Township		State/Province	MI	Country of Residence	US	
Mailing Address of Inventor:							
Address 1		11917 Whispering Oak Lane					
Address 2							
City	Shelby Township			State/Province	MI		
Postal Code	48315		Country i	US			
Inventor 2					Remove		
Legal Name							
Prefix	Given Name		Middle Name		Family Name		Suffix
	David		Anthony		Hatton		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service							
City	Berkley		State/Province	MI	Country of Residence	US	
Mailing Address of Inventor:							
Address 1		2848 Kenmore Road					
Address 2							
City	Berkley			State/Province	MI		
Postal Code	48072		Country i	US			
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.							
Add							

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	83355966
		Application Number	13/839,717
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		

☐ An Address is being provided for the correspondence information of this application.

Customer Number	28395		
Email Address		<input type="button" value="Add Email"/>	<input type="button" value="Remove Email"/>

Application Information:

Title of the Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		
Attorney Docket Number	83355966	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		Sub Class (if any)	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)	10	Suggested Figure for Publication (if any)	9

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	28395		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

Prior Application Status	Pending	<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
13/839717	Continuation in part of	13709699	2013-03-11

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	83355966
	Application Number	13/839,717
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES	

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(a).

			Remove
Application Number	Country ¹	Filing Date (YYYY-MM-DD)	Priority Claimed
			☐ Yes ☒ No

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices
<p>If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.</p> <p>In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.</p> <p>In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.</p>

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	83355966
	Application Number	13/839,717
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES	

Applicant 1			
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.			
<input type="button" value="Clear"/>			
☒ Assignee		☐ Legal Representative under 35 U.S.C. 117	
		☐ Joint Inventor	
☐ Person to whom the inventor is obligated to assign.		☐ Person who shows sufficient proprietary interest	
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:			
Name of the Deceased or Legally Incapacitated Inventor : <input type="text"/>			
If the Applicant is an Organization check here. ☒			
Organization Name	Ford Global Technologies, LLC		
Mailing Address Information:			
Address 1	Fairlane Plaza South, Suite 800		
Address 2	330 Town Center Drive		
City	Dearborn	State/Province	MI
Country	US	Postal Code	48126
Phone Number		Fax Number	
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button.			

Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.			
Assignee 1			
Complete this section only if non-applicant assignee information is desired to be included on the patent application publication in accordance with 37 CFR 1.215(b). Do not include in this section an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest), as the patent application publication will include the name of the applicant(s).			
If the Assignee is an Organization check here. ☐			

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	83355966
		Application Number	13/839,717
Title of Invention	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information:

Address 1			
Address 2			
City		State/Province	
Country ⁱ		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee Data may be generated within this form by selecting the Add button.

Signature:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications

Signature	/Marco J. Gatti/		Date (YYYY-MM-DD)	2014-03-10
First Name	Marco	Last Name	Gatti	Registration Number
70959				

Additional Signature may be generated within this form by selecting the Add button.

This collection of information is required by 37 CFR 1.76. 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 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	18413346
Application Number:	13839717
International Application Number:	
Confirmation Number:	3389
Title of Invention:	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES
First Named Inventor/Applicant Name:	Christopher Joseph Demeniuk
Customer Number:	28395
Filer:	Marco J. Gatti/Susan Olson
Filer Authorized By:	Marco J. Gatti
Attorney Docket Number:	83355966
Receipt Date:	10-MAR-2014
Filing Date:	15-MAR-2013
Time Stamp:	10:18:50
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	Corrected_ADS.pdf	112829 78af0244de6b792c24742bd785b5fb82c7c5662d	no	6

Warnings:

Information:

Total Files Size (in bytes):

112829

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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

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.



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UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
13/839,717	03/15/2013	3668	1390	83355966	20	3

CONFIRMATION NO. 3389

CORRECTED FILING RECEIPT



28395
BROOKS KUSHMAN P.C./FGTL
1000 TOWN CENTER
22ND FLOOR
SOUTHFIELD, MI 48075-1238

Date Mailed: 05/28/2014

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Christopher Joseph Demeniuk, Shelby Township, MI;
David Anthony Hatton, Berkley, MI;

Applicant(s)

FORD GLOBAL TECHNOLOGIES, LLC, Dearborn, MI

Assignment For Published Patent Application

FORD GLOBAL TECHNOLOGIES, LLC, Dearborn, MI

Power of Attorney: The patent practitioners associated with Customer Number 28395

Domestic Priority data as claimed by applicant

This application is a CIP of 13/709,699 12/10/2012

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 05/16/2013

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/839,717**

Projected Publication Date: 06/12/2014

Non-Publication Request: No

Early Publication Request: No
Title

SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED
DEVICES

Preliminary Class

701

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

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For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/839,717	03/15/2013	Christopher Joseph Demeniuk	83355966

CONFIRMATION NO. 3389

PUBLICATION NOTICE



OC00000068982642

28395
BROOKS KUSHMAN P.C./FGTL
1000 TOWN CENTER
22ND FLOOR
SOUTHFIELD, MI 48075-1238

Title:SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES

Publication No.US-2014-0163774-A1

Publication Date:06/12/2014

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

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Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13839717	
	Filing Date		2013-03-15	
	First Named Inventor	Christopher Joseph DEMENIUK		
	Art Unit	3668		
	Examiner Name			
	Attorney Docket Number	83355966		

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	1	20140088793	A1	2014-03-27	Morgan et al.	

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Examiner Initials*	Cite No	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, pages(s), volume-issue number(s), publisher, city and/or country where published.

T⁵

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13839717
	Filing Date		2013-03-15
	First Named Inventor	Christopher Joseph DEMENIUK	
	Art Unit	3668	
	Examiner Name		
	Attorney Docket Number	83355966	

	1		☐
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EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

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

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	13839717
Filing Date	2013-03-15
First Named Inventor	Christopher Joseph DEMENIUK
Art Unit	3668
Examiner Name	
Attorney Docket Number	83355966

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Marco J. Gatti/	Date (YYYY-MM-DD)	
Name/Print	Marco J. Gatti	Registration Number	70959

This collection of information is required by 37 CFR 1.97 and 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 1 hour 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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Electronic Acknowledgement Receipt

EFS ID:	19566178
Application Number:	13839717
International Application Number:	
Confirmation Number:	3389
Title of Invention:	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES
First Named Inventor/Applicant Name:	Christopher Joseph Demeniuk
Customer Number:	28395
Filer:	Marco J. Gatti/Susan Olson
Filer Authorized By:	Marco J. Gatti
Attorney Docket Number:	83355966
Receipt Date:	14-JUL-2014
Filing Date:	15-MAR-2013
Time Stamp:	11:32:55
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	updated_IDS.pdf	612180 0095c994a846d267d6a63819badce9dfe95b9677	no	4

Warnings:

Information:

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New Applications Under 35 U.S.C. 111

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National Stage of an International Application under 35 U.S.C. 371

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New International Application Filed with the USPTO as a Receiving Office

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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13/839,717

03/15/2013

Christopher Joseph Demeniuk

83355966

3389

28395 7590 08/29/2014

BROOKS KUSHMAN P.C./FGTL
1000 TOWN CENTER
22ND FLOOR
SOUTHFIELD, MI 48075-1238

EXAMINER

HEINLE, COURTNEY D

ART UNIT

PAPER NUMBER

3668

MAIL DATE

DELIVERY MODE

08/29/2014

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.

Office Action Summary	Application No. 13/839,717	Applicant(s) DEMENIUK ET AL.	
	Examiner COURTNEY HEINLE	Art Unit 3668	AIA (First Inventor to File) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03/15/2013.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-20 is/are pending in the application.
5a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1-20 is/are rejected.
- 8) ☐ Claim(s) ____ is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 03/15/2013 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some** c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) ☒ Notice of References Cited (PTO-892) | 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date <u>03/15/2013; 07/14/2014</u> . | 4) ☐ Other: ____. |

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Status of Claims

2. This action is in response to the applicant's filing on 15 March 2013. Claims **1-20** are pending and examined below.

Claim Rejections - 35 USC § 101

3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims **1-20** are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter because the claim(s) as a whole, considering all claim elements both individually and in combination, do not amount to significantly more than an abstract idea. The claims are directed to the abstract idea of an idea of itself (*see Alice Corp. v. CLS Bank International, slip op. at 7-8*) since they could be performed without a computer. The additional elements or combination of elements in the claims other than the abstract idea per se amount to no more than recitation of generic computer structure that serves to perform generic computer functions that are

Art Unit: 3668

well-understood, routine, and conventional activities previously known to the pertinent industry. Viewed as a whole, these additional claim elements do not provide meaningful limitations to transform the abstract idea into a patent eligible application of the abstract idea such that the claims amount to significantly more than the abstract idea itself. Therefore, the claims are rejected under 35 U.S.C. 101 as being directed to non-statutory subject matter.

Claim Rejections - 35 USC § 103

4. The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims **1-20** are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Divine et al., U.S. Patent Application Publication No. 2013/0030645, in view of Chien, U.S. Patent Application Publication No. 2013/0274997, hereinafter Divine and Chien, respectively.

Regarding claim **1**, Divine discloses a non-transitory computer readable storage medium, storing instructions that, when executed by a processor, configure the processor to: *(see at least Fig. 1; ¶ [0025] “computer memory 15”)*;

Art Unit: 3668

- establish a communication connection with at least one of a plurality of handheld computing devices within a vehicle; *(see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth) or a wired connection to an input port of a docking station.”)*;
- determine if the at least one of a plurality of handheld computing devices is a driver or non-driver handheld computing device based on a detected location of the communication connection; *(see at least Fig. 2-5; ¶ [0033] “the occupant may carry a personal mobile computing device, such as a phone, a smartphone, a portable media player, a handheld global positioning device, a laptop computer, etc. Such computing devices may be queried by the infotainment system to gather information about the occupant. In some instances, the queried information can be identifying information for the device user . . . The use of docking stations is a good technique for associating the user of the mobile device with the user’s location in the vehicle.”)*;

Divine fails to disclose if it is determined that the at least one of a plurality of handheld computing devices is a non-driver handheld computing device, enable infotainment control from the non-driver handheld computing device; and if it is determined that the at least one of a plurality of handheld computing devices is a driver handheld computing device, limit infotainment control from the driver handheld computing device. Divine does disclose preventing the driver from participating in certain infotainment functions *(see at least ¶ [0055] “For example, the driver may be prevented from participating in a game with other occupants when the vehicle is*

Art Unit: 3668

traveling above a certain speed or under adverse driving conditions (e.g., detected by vehicle rain sensors). In this case, the recommendation to play the game may be removed from the list of recommendations or modified to exclude invitation to the driver.”).

Chien teaches if it is determined that the at least one of a plurality of handheld computing devices is a non-driver handheld computing device, enable infotainment control from the non-driver handheld computing device; and if it is determined that the at least one of a plurality of handheld computing devices is a driver handheld computing device, limit infotainment control from the driver handheld computing device (*see at least ¶ [0067] “In one of the exemplary embodiments, in response to the mobile electronic device attaching to the in-vehicle electronic system, the operation for the driver role could be restricted in several ways. The driver in-vehicle electronic system could be restricted by locking the touch screen 312 of the in-vehicle electronic system or by deactivating input to the touch screen in-vehicle electronic system or by interrupting the interface 321 322 323 between the touch screen 312 of the driver in-vehicle electronic system and the mobile electronic device. The restriction of the driver role could also include restriction of the hardware interface of the in-vehicle electronic system such as buttons, knobs, dials. Otherwise, if the mobile electronic device attaches to a non-driver in-vehicle electronic system instead, the user is free to operate the touch screen and bottoms of the non-driver in-vehicle electronic system. Otherwise, if the mobile electronic device attaches to a non-driver in-vehicle electronic system*

Art Unit: 3668

instead, the user is free to operate the touch screen of the non-driver in-vehicle electronic system.”).

Thus, Divine discloses preventing the driver from participating in certain infotainment functions, while Chien teaches if it is determined that the at least one of a plurality of handheld computing devices is a non-driver handheld computing device, enable infotainment control from the non-driver handheld computing device; and if it is determined that the at least one of a plurality of handheld computing devices is a driver handheld computing device, limit infotainment control from the driver handheld computing device. It would have been obvious to a person of ordinary skill in the art at the time of Applicant's invention to modify the system as disclosed in Divine to include if it is determined that the at least one of a plurality of handheld computing devices is a non-driver handheld computing device, enable infotainment control from the non-driver handheld computing device; and if it is determined that the at least one of a plurality of handheld computing devices is a driver handheld computing device, limit infotainment control from the driver handheld computing device as taught by Chien in order to improve the safety of vehicle operation.

Regarding claim 2, Divine discloses the detected location of the communication connection is established at a seat. *(see at least Fig. 2; ¶ [0028] “In one example, weight of a vehicle occupant is determined from weight sensors disposed in the each vehicle seat. The weight sensors may be part of a vehicle safety subsystem and interfaced via the vehicle bus or internal communication network 19 to the infotainment*

system 10.”; ¶ [0030] “Input ports or docking stations 25 for mobile computing devices may also be positioning adjacent to each vehicle seat.”).

Regarding claim **3**, Divine discloses the seat includes at least one vehicle seat sensor. (see at least Fig. 2; ¶ [0028] “In one example, weight of a vehicle occupant is determined from weight sensors disposed in the each vehicle seat. The weight sensors may be part of a vehicle safety subsystem and interfaced via the vehicle bus or internal communication network 19 to the infotainment system 10.”).

Regarding claim **4**, Divine discloses the seat includes a physical connection port. (see at least Fig. 2-5; ¶ [0030] “Input ports or docking stations 25 for mobile computing devices may also be positioning adjacent to each vehicle seat.”).

Regarding claim **5**, Divine discloses the seat includes a wireless transceiver. (see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth)”).

Regarding claim **6**, Divine discloses the wireless transceiver is BLUETOOTH technology. (see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth)”).

Regarding claim **7**, Divine discloses the seat includes communication with an in-vehicle camera system. *(see at least Fig. 2; ¶ [0031] “Presence of a new occupant may be detected in various ways including the use of a camera”).*

Regarding claim **8**, Divine fails to disclose receive driver input limiting the infotainment control from the non-driver handheld computing device. Divine does disclose excluding presentation of content from certain passengers *(see at least ¶ [0069] “It is understood that certain vehicle occupants may be excluded from those presented with recommendations (e.g., small children or infants).”).*

Chien teaches receive driver input limiting the infotainment control from the non-driver handheld computing device *(see at least ¶ [0068] “In one of the exemplary embodiments, the non-driver role may further includes a non-caller role such that a user may access entertainment features of the in-vehicle electronic system but would not be allowed to utilize communication related functions. For example, if the in-vehicle electronic system were meant to be operated by children, the profile setting of the in-vehicle electronic system could configure a restricted passenger role which restrict the passenger in-vehicle electronic system but in a different way relative to the driver in-vehicle electronic system. In this case, the restricted passenger role of the in-vehicle electronic system could not access communication functions such as phone calls, emails, messages but could otherwise have full access to all other functions.”).*

Thus, Divine discloses excluding presentation of content from certain passengers, while Chien teaches receive driver input limiting the infotainment control

Art Unit: 3668

from the non-driver handheld computing device. It would have been obvious to a person of ordinary skill in the art at the time of Applicant's invention to modify the system as disclosed in Divine to include receive driver input limiting the infotainment control from the non-driver handheld computing device as taught by Chien in order to limit driver distractions and improve the safety of vehicle operation.

Regarding claim **9**, Divine discloses a vehicle computing system comprising: one or more processors configured to: *(see at least ¶ [0025] “computer processor 14”);*

- establish a communication connection with at least one of a plurality of handheld computing devices within a vehicle; *(see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth) or a wired connection to an input port of a docking station.”);*
- determine if the at least one of a plurality of handheld computing devices is a driver or non-driver handheld computing device based on a detected location of the communication connection; *(see at least Fig. 2-5; ¶ [0033] “the occupant may carry a personal mobile computing device, such as a phone, a smartphone, a portable media player, a handheld global positioning device, a laptop computer, etc. Such computing devices may be queried by the infotainment system to gather information about the occupant. In some instances, the queried information can be identifying information for the device user . . . The use of docking stations is a good technique for associating the user of the mobile device with the user's location in the vehicle.”);*

Divine fails to disclose if it is determined that the at least one of a plurality of handheld computing devices is a non-driver handheld computing device, enable infotainment control from the non-driver handheld computing device; and if it is determined that the at least one of a plurality of handheld computing devices is a driver handheld computing device, limit infotainment control from the driver handheld computing device. Divine does disclose preventing the driver from participating in certain infotainment functions (*see at least ¶ [0055] "For example, the driver may be prevented from participating in a game with other occupants when the vehicle is traveling above a certain speed or under adverse driving conditions (e.g., detected by vehicle rain sensors). In this case, the recommendation to play the game may be removed from the list of recommendations or modified to exclude invitation to the driver."*).

Chien teaches if it is determined that the at least one of a plurality of handheld computing devices is a non-driver handheld computing device, enable infotainment control from the non-driver handheld computing device; and if it is determined that the at least one of a plurality of handheld computing devices is a driver handheld computing device, limit infotainment control from the driver handheld computing device (*see at least ¶ [0067] "In one of the exemplary embodiments, in response to the mobile electronic device attaching to the in-vehicle electronic system, the operation for the driver role could be restricted in several ways. The driver in-vehicle electronic system could be restricted by locking the touch screen 312 of the in-vehicle electronic system or by deactivating input to the touch screen in-vehicle electronic system or by interrupting*

Art Unit: 3668

the interface 321 322 323 between the touch screen 312 of the driver in-vehicle electronic system and the mobile electronic device. The restriction of the driver role could also include restriction of the hardware interface of the in-vehicle electronic system such as buttons, knobs, dials. Otherwise, if the mobile electronic device attaches to a non-driver in-vehicle electronic system instead, the user is free to operate the touch screen and bottoms of the non-driver in-vehicle electronic system. Otherwise, if the mobile electronic device attaches to a non-driver in-vehicle electronic system instead, the user is free to operate the touch screen of the non-driver in-vehicle electronic system.”).

Thus, Divine discloses preventing the driver from participating in certain infotainment functions, while Chien teaches if it is determined that the at least one of a plurality of handheld computing devices is a non-driver handheld computing device, enable infotainment control from the non-driver handheld computing device; and if it is determined that the at least one of a plurality of handheld computing devices is a driver handheld computing device, limit infotainment control from the driver handheld computing device. It would have been obvious to a person of ordinary skill in the art at the time of Applicant's invention to modify the system as disclosed in Divine to include if it is determined that the at least one of a plurality of handheld computing devices is a non-driver handheld computing device, enable infotainment control from the non-driver handheld computing device; and if it is determined that the at least one of a plurality of handheld computing devices is a driver handheld computing device, limit infotainment

Art Unit: 3668

control from the driver handheld computing device as taught by Chien in order to improve the safety of vehicle operation.

Regarding claim **10**, Divine discloses the detected location of the communication connection is established at a seat. *(see at least Fig. 2; ¶ [0028] “In one example, weight of a vehicle occupant is determined from weight sensors disposed in the each vehicle seat. The weight sensors may be part of a vehicle safety subsystem and interfaced via the vehicle bus or internal communication network 19 to the infotainment system 10.”; ¶ [0030] “Input ports or docking stations 25 for mobile computing devices may also be positioning adjacent to each vehicle seat.”).*

Regarding claim **11**, Divine discloses seat includes a physical connection port. *(see at least Fig. 2-5; ¶ [0030] “Input ports or docking stations 25 for mobile computing devices may also be positioning adjacent to each vehicle seat.”).*

Regarding claim **12**, Divine discloses seat includes a vehicle seat wireless transceiver. *(see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth)”).*

Regarding claim **13**, Divine discloses the wireless transceiver is BLUETOOTH technology. *(see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth)”).*

Regarding claim **14**, Divine discloses the seat includes at least one vehicle seat sensor. *(see at least Fig. 2; ¶ [0028] “In one example, weight of a vehicle occupant is determined from weight sensors disposed in the each vehicle seat. The weight sensors may be part of a vehicle safety subsystem and interfaced via the vehicle bus or internal communication network 19 to the infotainment system 10.”).*

Regarding claim **15**, Divine fails to disclose the one or more processors are additionally configured to allow a driver to limit infotainment control from the non-driver handheld computing. Divine does disclose excluding presentation of content from certain passengers *(see at least ¶ [0069] “It is understood that certain vehicle occupants may be excluded from those presented with recommendations (e.g., small children or infants).”)*.

Chien teaches the one or more processors are additionally configured to allow a driver to limit infotainment control from the non-driver handheld computing *(see at least ¶ [0068] “In one of the exemplary embodiments, the non-driver role may further includes a non-caller role such that a user may access entertainment features of the in-vehicle electronic system but would not be allowed to utilize communication related functions. For example, if the in-vehicle electronic system were meant to be operated by children, the profile setting of the in-vehicle electronic system could configure a restricted passenger role which restrict the passenger in-vehicle electronic system but in a different way relative to the driver in-vehicle electronic system. In this case, the*

restricted passenger role of the in-vehicle electronic system could not access communication functions such as phone calls, emails, messages but could otherwise have full access to all other functions.”).

Thus, Divine discloses excluding presentation of content from certain passengers, while Chien teaches the one or more processors are additionally configured to allow a driver to limit infotainment control from the non-driver handheld computing. It would have been obvious to a person of ordinary skill in the art at the time of Applicant's invention to modify the system as disclosed in Divine to include the one or more processors are additionally configured to allow a driver to limit infotainment control from the non-driver handheld computing as taught by Chien in order to limit driver distractions and improve the safety of vehicle operation.

Regarding claim **16**, Divine discloses a computer-implemented method for providing remote infotainment control using one or more handheld computing devices, comprising:

- establishing a communication connection with the one or more handheld computing devices within a vehicle; *(see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth) or a wired connection to an input port of a docking station.”);*
- detecting a location of the communication connection; and *(see at least Fig. 2-5; ¶ [0033] “the occupant may carry a personal mobile computing device, such as a phone, a smartphone, a portable media player, a handheld global positioning*

device, a laptop computer, etc. Such computing devices may be queried by the infotainment system to gather information about the occupant. In some instances, the queried information can be identifying information for the device user . . . The use of docking stations is a good technique for associating the user of the mobile device with the user's location in the vehicle.”);

Divine fails to disclose enabling infotainment control if the detected location is a non-driver location in the vehicle. Divine does disclose preventing the driver from participating in certain infotainment functions (see at least ¶ [0055] “For example, the driver may be prevented from participating in a game with other occupants when the vehicle is traveling above a certain speed or under adverse driving conditions (e.g., detected by vehicle rain sensors). In this case, the recommendation to play the game may be removed from the list of recommendations or modified to exclude invitation to the driver.”).

Chien teaches enabling infotainment control if the detected location is a non-driver location in the vehicle (see at least ¶ [0067] “In one of the exemplary embodiments, in response to the mobile electronic device attaching to the in-vehicle electronic system, the operation for the driver role could be restricted in several ways. The driver in-vehicle electronic system could be restricted by locking the touch screen 312 of the in-vehicle electronic system or by deactivating input to the touch screen in-vehicle electronic system or by interrupting the interface 321 322 323 between the touch screen 312 of the driver in-vehicle electronic system and the mobile electronic device. The restriction of the driver role could also include restriction of the hardware interface

of the in-vehicle electronic system such as buttons, knobs, dials. Otherwise, if the mobile electronic device attaches to a non-driver in-vehicle electronic system instead, the user is free to operate the touch screen and bottoms of the non-driver in-vehicle electronic system. Otherwise, if the mobile electronic device attaches to a non-driver in-vehicle electronic system instead, the user is free to operate the touch screen of the non-driver in-vehicle electronic system.”).

Thus, Divine discloses preventing the driver from participating in certain infotainment functions, while Chien teaches enabling infotainment control if the detected location is a non-driver location in the vehicle. It would have been obvious to a person of ordinary skill in the art at the time of Applicant's invention to modify the system as disclosed in Divine to include enabling infotainment control if the detected location is a non-driver location in the vehicle as taught by Chien in order to allow safe operation of the infotainment system.

Regarding claim **17**, Divine discloses the location of the communication connection includes using one or more seat inputs. *(see at least Fig. 2; ¶ [0028] “In one example, weight of a vehicle occupant is determined from weight sensors disposed in the each vehicle seat. The weight sensors may be part of a vehicle safety subsystem and interfaced via the vehicle bus or internal communication network 19 to the infotainment system 10.”; ¶ [0030] “Input ports or docking stations 25 for mobile computing devices may also be positioning adjacent to each vehicle seat.”).*

Regarding claim **18**, Divine discloses the one or more seat inputs includes a wireless transceiver. *(see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth)”)*.

Regarding claim **19**, Divine discloses the one or more seat inputs includes at least one passenger detection sensor. *(see at least Fig. 2; ¶ [0028] “In one example, weight of a vehicle occupant is determined from weight sensors disposed in the each vehicle seat. The weight sensors may be part of a vehicle safety subsystem and interfaced via the vehicle bus or internal communication network 19 to the infotainment system 10.”)*.

Regarding claim **20**, Divine discloses the one or more seat inputs includes a physical connection port address. *(see at least Fig. 2-5; ¶ [0030] “Input ports or docking stations 25 for mobile computing devices may also be positioning adjacent to each vehicle seat.”)*.

Although Divine fails to explicitly disclose a port address, using such means for identifying the location of a physical connection port in a vehicle would have been an obvious matter of design choice within the skill of the art, since use of claimed feature solves no stated problem and presents no unexpected result.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to COURTNEY HEINLE whose telephone number is (571) 270-3508. The examiner can normally be reached on Monday through Thursday, 8:30am-7:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fadey Jabr can be reached on 571-272-1516. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/C. H./

Examiner, Art Unit 3668

/FADEY JABR/

Application/Control Number: 13/839,717

Page 19

Art Unit: 3668

Supervisory Patent Examiner, Art Unit 3668

Notice of References Cited	Application/Control No. 13/839,717	Applicant(s)/Patent Under Reexamination DEMENIUK ET AL.	
	Examiner COURTNEY HEINLE	Art Unit 3668	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2013/0030645 A1	01-2013	Divine et al.	701/36
*	B	US-2013/0274997 A1	10-2013	Chien, Ho-Sung	701/36
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID. OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2013/11/27 10:24
S2	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2013/11/27 11:36
S3	2	S2 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:39
S4	26	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:41
S5	0	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:43
S6	0	S4 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:43
S7	1	S4 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:43
S8	0	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:44
S9	20	(offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:45

S10	14692	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:47
S11	310	S10 and infotainment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:47
S12	109	S10 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:56
S13	52	S10 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:57
S14	0	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 13:03
S15	1978	701/2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 13:04
S16	14481	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 14:51
S17	1565	S10 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 14:51
S18	48	S17 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 14:53
S19	0	S18 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2013/11/27 15:02

			DERWENT; IBM_TDB			
S20	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 17:10
S21	2	((("20120065815") or ("20110087385")).PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 17:14
S22	2	((("8131458") or ("20090140064")).PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:05
S23	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:30
S24	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:37
S25	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:39
S26	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:42
S27	92	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 18:43
S28	14692	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 18:43
S29	13	S27 and S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 18:44
S30	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:48
S31	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2013/11/27 19:19
S32	1	S31 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:20
S33	14	S31 and engine	US-PGPUB; USPAT	OR	ON	2013/11/27 19:21
S34	22	S31 and driver	US-PGPUB; USPAT	OR	ON	2013/11/27 19:22
S35	3	S31 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2013/11/27 19:22
S36	2	S31 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:25
S37	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:26
S38	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2013/11/27 19:26

			EPO; JPO; DERWENT; IBM_TDB			
S39	8	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 19:26
S40	5	S39 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 19:26
S41	3	S31 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:37
S42	5	S31 and LCD	US-PGPUB; USPAT	OR	ON	2013/11/27 19:39
S43	0	S31 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:48
S44	0	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2013/11/27 19:48
S45	12	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2013/11/27 19:48
S46	5	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:10
S47	16	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:20
S48	529	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:23
S49	156	S48 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:23
S50	12	S28 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:24
S51	687	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2013/11/27 22:25

			EPO; JPO; DERWENT; IBM_TDB			
S52	20	S51 and S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:25
S53	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID. OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2014/01/26 13:30
S54	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2014/01/26 13:30
S55	2	S54 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S56	28	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S57	0	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S58	0	S56 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S59	1	S56 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S60	0	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S61	21	(offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30

S62	16745	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S63	340	S62 and infotainment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S64	116	S62 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S65	54	S62 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S66	0	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S67	2117	701/2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S68	16083	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S69	1722	S62 and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S70	49	S69 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S71	0	S70 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2014/01/26; 13:30

			DERWENT; IBM_TDB			
S72	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S73	2	((("20120065815") or ("20110087385")).PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S74	2	((("8131458") or ("20090140064")).PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S75	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S76	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S77	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S78	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S79	101	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S80	16745	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S81	14	S79 and S80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S82	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S83	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S84	1	S83 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S85	14	S83 and engine	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S86	22	S83 and driver	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S87	3	S83 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S88	2	S83 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S89	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S90	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/01/26; 13:30

			EPO; JPO; DERWENT; IBM_TDB			
S91	8	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S92	5	S91 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S93	3	S83 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S94	5	S83 and LCD	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S95	0	S83 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S96	0	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S97	12	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S98	6	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S99	16	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S100	548	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S101	159	S100 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S102	12	S80 and S101	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S103	714	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/01/26; 13:30

			EPO; JPO; DERWENT; IBM_TDB			
S104	20	S103 and S80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S105	5	((("20110087385") or ("20130030645") or ("20110166748") or ("20130274997") or ("20120115446"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 14:46
S106	1	S105 and playlist	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 14:48
S107	31	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/01/26; 15:31
S108	1123166	(plurality or plural or multiple or two or many) with (handheld or mobile or computer or computing or phone)	US-PGPUB; USPAT	OR	ON	2014/01/26; 15:32
S109	15	S107 and S108	US-PGPUB; USPAT	OR	ON	2014/01/26; 15:34
S110	2	S107 and (share with (content or media or file or playlist))	US-PGPUB; USPAT	OR	ON	2014/01/26; 15:43
S111	13	S107 and priority	US-PGPUB; USPAT	OR	ON	2014/01/26; 15:46
S112	25	S107 and navigation	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:05
S113	0	S107 and (point adj of adj interest)	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:07
S114	18	S107 and destination	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:07
S115	4	S107 and (driver with navigation)	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:26
S116	0	S107 and ((point adj of adj interest) or (points adj of adj interest))	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:27
S117	1	S107 and POI	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:27
S118	12	S107 and (lock or locked)	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:41
S119	4	S107 and ((lock or locked or prevent or disable or disabled) with (destination or navigation))	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:53
S120	13	S107 and (safe or safety)	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:56
S121	1	S107 and (prevent with driver)	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:57
S122	1	S107 and ((restrict or disable) with driver)	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:58
S123	8	((("20120094657") or ("20060265117") or ("20080200209") or ("20120197523") or ("20140106712") or ("8527013") or ("8670897") or ("20100037057"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/05/27; 09:49

S124	8	S123 and driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 09:51
S125	0	S123 and non-driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 09:51
S126	4	S123 and (passenger or occupant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 09:51
S127	31	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	OFF	2014/05/27 10:03
S128	1599	H04M1/6075-6091.cpc.	US-PGPUB; USPAT	OR	OFF	2014/05/27 10:24
S129	5495	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:24
S130	15517	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:28
S131	4181	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:29
S132	725	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:29
S133	5495	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2014/05/27 10:40

			IBM_TDB			
S134	15517	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:41
S135	4181	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:41
S136	725	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:41
S137	1305742	(((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:42
S138	3006	(non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:42
S139	134	S138 and S133	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:42
S140	74	S138 and S134	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:42
S141	21	S138 and S135	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:42
S142	9	S138 and S136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:42
S143	298	(non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or	US-PGPUB; USPAT; USOCR;	OR	OFF	2014/05/27 10:46

		portable) adj phone) or smartphone or (smart adj phone)) with (identify\$3 or recogniz\$3 determin\$3)	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S144	22	S143 and S133	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:46
S145	8	S143 and S134	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:46
S146	0	S143 and S135	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:46
S147	1	S143 and S136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:46
S148	13	(US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$).did.	US-PGPUB	OR	OFF	2014/05/27 11:11
S149	12	S148 and (navigation or climate or seat or music)	US-PGPUB	OR	OFF	2014/05/27 11:11
S150	2	S148 and (settings with (navigation or climate or seat or music))	US-PGPUB	OR	OFF	2014/05/27 11:11
S151	13	(US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$).did.	US-PGPUB	OR	OFF	2014/05/27 12:20
S152	12	S151 and (profile or settings or configure or configuration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 12:21
S153	298	(non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with (identify\$3 or recogniz\$3 determin\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 12:59
S154	33	S153 and preset	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 13:00

S155	3	((("20110137520") or ("20120214470") or ("20070171057"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/05/27 15:04
S156	2525	((((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with input with navigation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:56
S157	5495	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:57
S158	15517	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:57
S159	4181	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:58
S160	725	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:58
S161	25	S156 and S157	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:58
S162	6	S156 and S158	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:58
S163	0	S156 and S159	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:58
S164	2	S156 and S160	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:58
S165	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID. OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-	US-PGPUB; USPAT;	OR	ON	2014/08/08 17:17

		20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	USOCR			
S166	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S167	2	S166 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S168	36	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S169	3	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S170	3	S168 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S171	4	S168 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S172	3	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S173	28	((offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S174	18629	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S175	478	S174 and infotainment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2014/08/08 17:17

			DERWENT; IBM_TDB			
S176	157	S174 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S177	72	S174 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S178	3	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S179	2665	701/2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S180	17655	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S181	2031	S174 and S180	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S182	61	S181 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S183	3	S182 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S184	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S185	2	((("20120065815") or ("20110087385"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S186	2	((("8131458") or ("20090140064"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S187	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17

S188	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S189	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S190	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S191	114	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S192	18629	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S193	21	S191 and S192	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S194	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S195	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S196	1	S195 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S197	14	S195 and engine	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S198	22	S195 and driver	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S199	3	S195 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S200	2	S195 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S201	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S202	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S203	12	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S204	9	S203 and vehicle	US-PGPUB;	OR	ON	2014/08/08

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			17:17
S205	3	S195 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S206	5	S195 and LCD	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S207	0	S195 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S208	6	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S209	19	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S210	8	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S211	19	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S212	582	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S213	171	S212 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S214	15	S192 and S213	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S215	753	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S216	24	S215 and S192	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S217	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID.	US-PGPUB;	OR	ON	2014/08/08

		OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	USPAT; USOCR			17:17
S218	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S219	2	S218 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S220	36	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S221	3	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S222	3	S220 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S223	4	S220 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S224	3	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S225	28	(offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S226	18629	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S227	478	S226 and infotainment	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/08/08 17:17

			EPO; JPO; DERWENT; IBM_TDB			
S228	157	S226 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08: 17:17
S229	72	S226 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08: 17:17
S230	3	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08: 17:17
S231	2665	701/2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08: 17:17
S232	17655	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08: 17:17
S233	2031	S226 and S232	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08: 17:17
S234	61	S233 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08: 17:17
S235	3	S234 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08: 17:17
S236	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08: 17:17
S237	2	((("20120065815") or ("20110087385"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08: 17:17
S238	2	((("8131458") or ("20090140064"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08: 17:17
S239	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08: 17:17

S240	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S241	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S242	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S243	114	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S244	18629	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S245	21	S243 and S244	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S246	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S247	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S248	1	S247 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S249	14	S247 and engine	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S250	22	S247 and driver	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S251	3	S247 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S252	2	S247 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S253	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S254	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S255	12	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S256	9	S255 and vehicle	US-PGPUB;	OR	ON	2014/08/08

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			17:17
S257	3	S247 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S258	5	S247 and LCD	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S259	0	S247 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S260	6	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S261	19	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S262	8	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S263	19	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S264	582	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S265	171	S264 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S266	15	S244 and S265	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S267	753	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S268	24	S267 and S244	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S269	5	((("20110087385") or ("20130030645") or ("20110166748") or	US-PGPUB;	OR	OFF	2014/08/08

		("20130274997") or ("20120115446")).PN.	USPAT			17:17
S270	1	S269 and playlist	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S271	31	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S272	1205417	(plurality or plural or multiple or two or many) with (handheld or mobile or computer or computing or phone)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S273	15	S271 and S272	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S274	2	S271 and (share with (content or media or file or playlist))	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S275	13	S271 and priority	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S276	25	S271 and navigation	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S277	0	S271 and (point adj of adj interest)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S278	18	S271 and destination	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S279	4	S271 and (driver with navigation)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S280	0	S271 and ((point adj of adj interest) or (points adj of adj interest))	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S281	1	S271 and POI	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S282	12	S271 and (lock or locked)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S283	4	S271 and ((lock or locked or prevent or disable or disabled) with (destination or navigation))	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S284	13	S271 and (safe or safety)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S285	1	S271 and (prevent with driver)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S286	1	S271 and ((restrict or disable) with driver)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S287	8	((("20120094657") or ("20060265117") or ("20080200209") or ("20120197523") or ("20140106712") or ("8527013") or ("8670897") or ("20100037057"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S288	8	S287 and driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S289	0	S287 and non-driver	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2014/08/08 17:17

			EPO; JPO; DERWENT; IBM_TDB			
S290	4	S287 and (passenger or occupant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S291	31	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S292	1650	H04M1/6075-6091.cpc.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S293	5604	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S294	15955	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S295	4275	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S296	763	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S297	5604	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S298	15955	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S299	4275	H04L2012/40273.cpc.	US-PGPUB; USPAT;	OR	OFF	2014/08/08 17:17

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S300	763	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S301	1354992	((((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S302	3176	(non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S303	142	S302 and S297	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S304	80	S302 and S298	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S305	22	S302 and S299	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S306	11	S302 and S300	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S307	328	(non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with (identify\$3 or recogniz\$3 determin\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S308	24	S307 and S297	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17

S309	10	S307 and S298	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S310	0	S307 and S299	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S311	1	S307 and S300	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S312	13	(US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$).did.	US-PGPUB	OR	OFF	2014/08/08 17:17
S313	12	S312 and (navigation or climate or seat or music)	US-PGPUB	OR	OFF	2014/08/08 17:17
S314	2	S312 and (settings with (navigation or climate or seat or music))	US-PGPUB	OR	OFF	2014/08/08 17:17
S315	13	(US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$).did.	US-PGPUB	OR	OFF	2014/08/08 17:17
S316	12	S315 and (profile or settings or configure or configuration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S317	328	((non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with (identify\$3 or recogniz\$3 determin\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S318	40	S317 and preset	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S319	3	((("20110137520") or ("20120214470") or ("20070171057"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S320	2631	((((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with input with navigation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S321	5604	H04M1/6075-6091.cpc.	US-PGPUB; USPAT;	OR	OFF	2014/08/08 17:17

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S322	15955	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S323	4275	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S324	763	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S325	25	S320 and S321	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S326	7	S320 and S322	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S327	0	S320 and S323	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S328	2	S320 and S324	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S329	1	("20140088793").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:41
S330	26	("20040260438" "20060138308" "20070124043" "20090075624" "20120079002" "7026957" "7266435" "7489786" "7523679" "8180379").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:45
S331	51	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$	US-PGPUB; USPAT	OR	ON	2014/08/08 18:32

		or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$ or US-20140088793-\$ or US-20130145007-\$ or US-20130143528-\$ or US-20130143527-\$ or US-20110137520-\$ or US-20120214470-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$ or US-7523679-\$).did.				
S332	29	S331 and address	US-PGPUB; USPAT	OR	ON	2014/08/08 18:33
S333	10	S331 and (address same location)	US-PGPUB; USPAT	OR	ON	2014/08/08 18:33
S334	0	S331 and ((address with port) same location)	US-PGPUB; USPAT	OR	ON	2014/08/08 18:38
S335	0	S331 and (address same port same location)	US-PGPUB; USPAT	OR	ON	2014/08/08 18:39
S336	1	(address with port) same location same (occupant or passenger) same vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08 18:39
S337	6	(address same location same (occupant or passenger) same vehicle same dock\$3)	US-PGPUB; USPAT	OR	ON	2014/08/08 18:41
S338	12221	port adj address	US-PGPUB; USPAT	OR	ON	2014/08/08 18:46
S339	30	(port adj address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection))	US-PGPUB; USPAT	OR	ON	2014/08/08 18:47
S340	1	S339 and vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08 18:48
S341	3957	(address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection))	US-PGPUB; USPAT	OR	ON	2014/08/08 18:48
S342	1	S241 and vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08 18:49
S343	30	(port adj address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection))	US-PGPUB; USPAT	OR	ON	2014/08/08 18:53
S344	3957	(address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection))	US-PGPUB; USPAT	OR	ON	2014/08/08 18:53
S345	1732	S344 and (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or cell-phone or (cell adj phone) or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or smart-phone or (smart adj phone))	US-PGPUB; USPAT	OR	ON	2014/08/08 18:53
S346	1	(port adj address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection)) same (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or cell-phone or (cell adj phone) or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or smart-phone or (smart adj phone))	US-PGPUB; USPAT	OR	ON	2014/08/08 18:53
S347	285	(address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection)) same (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or cell-phone or (cell adj phone) or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or smart-phone or (smart adj phone))	US-PGPUB; USPAT	OR	ON	2014/08/08 18:54
S348	39	S347 and vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08 18:54
S349	17	(address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection)) same (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or cell-phone or (cell adj phone) or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or smart-phone or (smart adj phone)) same vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08 18:54
S350	51	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$	US-PGPUB;	OR	ON	2014/08/10

		or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$ or US-20140088793-\$ or US-20130145007-\$ or US-20130143528-\$ or US-20130143527-\$ or US-20110137520-\$ or US-20120214470-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$ or US-7523679-\$).did.	USPAT			16:50
S351	30	S350 and (driver with (limit\$3 or restrict\$3 or control\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/10: 16:51

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Receipt date: 03/15/2013

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

13839717 - GALL: 3668

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Approved for use through 07/31/2012. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor	Christopher Joseph Demeniuk	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	83355966	

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	7026957	B2	2006-04-11	Rubenstein	
	2	7266435	B2	2007-09-04	Wang et al.	
	3	7489786	B2	2009-02-10	Marlowe	
	4	8180379	B2	2012-05-15	Forstall et al.	
	5	7523679	B2	2009-04-28	Hawes et al.	
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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20040260438	A1	2004-12-23	Chernetsky et al.	

Receipt date: 03/15/2013 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13839717 - GAU: 3668	
	Filing Date			
	First Named Inventor	Christopher Joseph Demeniuk		
	Art Unit			
	Examiner Name			
	Attorney Docket Number	83355966		

	2	20070124043	A1	2007-05-31	Ayoub et al.	
	3	20090075624	A1	2009-03-19	Cox et al.	
	4	20120079002	A1	2012-03-29	Boll et al.	
	5	20060138308	A1	2006-06-29	Davis et al.	

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Examiner Signature	/Courtney Heinle/ (08/08/2014)	Date Considered	
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Receipt date: 03/15/2013 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13839717 - GAU: 3668
	Filing Date		
	First Named Inventor	Christopher Joseph Demeniuk	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	83355966	

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

Receipt date: 03/15/2013 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13839717 - GAU: 3668
	Filing Date		
	First Named Inventor	Christopher Joseph Demeniuk	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	83355966	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Marco J. Gatti/	Date (YYYY-MM-DD)	2013-03-15
Name/Print	Marco J. Gatti	Registration Number	70959

This collection of information is required by 37 CFR 1.97 and 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 1 hour 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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2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



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CONFIRMATION NO. 3389

SERIAL NUMBER 13/839,717	FILING or 371(c) DATE 03/15/2013 RULE	CLASS 701	GROUP ART UNIT 3668	ATTORNEY DOCKET NO. 83355966	
APPLICANTS FORD GLOBAL TECHNOLOGIES, LLC, Dearborn, MI INVENTORS Christopher Joseph Demeniuk, Shelby Township, MI; David Anthony Hatton, Berkley, MI; ** CONTINUING DATA ***** This application is a CIP of 13/709,699 12/10/2012 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 05/16/2013					
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and /COURTNEY D HEINLE/ Acknowledged Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY MI	SHEETS DRAWINGS 10	TOTAL CLAIMS 20	INDEPENDENT CLAIMS 3
ADDRESS BROOKS KUSHMAN P.C./FGTL 1000 TOWN CENTER 22ND FLOOR SOUTHFIELD, MI 48075-1238 UNITED STATES					
TITLE SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES					
FILING FEE RECEIVED 1390	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		

<i>Index of Claims</i> 	Application/Control No. 13839717	Applicant(s)/Patent Under Reexamination DEMENIUK ET AL.
	Examiner COURTNEY HEINLE	Art Unit 3668

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

☐ Claims renumbered in the same order as presented by applicant		☐ CPA		☐ T.D.		☐ R.1.47			
CLAIM		DATE							
Final	Original	08/10/2014							
	1	✓							
	2	✓							
	3	✓							
	4	✓							
	5	✓							
	6	✓							
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	16	✓							
	17	✓							
	18	✓							
	19	✓							
	20	✓							

Search Notes 	Application/Control No. 13839717	Applicant(s)/Patent Under Reexamination DEMENIUK ET AL.
	Examiner COURTNEY HEINLE	Art Unit 3668

CPC- SEARCHED		
Symbol	Date	Examiner
H04M1/6075-6091	08/11/2014	CH
H04L67/12	08/11/2014	CH
H04L2012/40273	08/11/2014	CH
B60K2350/35-357	08/11/2014	CH

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
701	2	08/11/2014	CH

SEARCH NOTES		
Search Notes	Date	Examiner
See attached EAST search history	08/11/2014	CH
Google	08/11/2014	CH

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/C.H./ Examiner.Art Unit 3668	
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Receipt date: 07/14/2014

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

13839717 - GAI: 3668

Approved for use through 07/31/2012. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13839717	
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	First Named Inventor	Christopher Joseph DEMENIUK		
	Art Unit	3668		
	Examiner Name			
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	1	20140088793	A1	2014-03-27	Morgan et al.	

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Receipt date: 07/14/2014 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13839717	13839717 - GAU: 3668
	Filing Date		2013-03-15	
	First Named Inventor	Christopher Joseph DEMENIUK		
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	Examiner Name			
	Attorney Docket Number	83355966		

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Name/Print	Marco J. Gatti	Registration Number	70959

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Christopher Joseph DEMENIUK et al.

Serial No.: 13/839,717

Filed: March 15, 2013

For: SYSTEM AND METHOD OF DETERMINING OCCUPANT
LOCATION USING CONNECTED DEVICES

Group Art Unit: 3668

Examiner: Courtney D. Heinle

Attorney Docket No.: 83355966

AMENDMENT UNDER 37 C.F.R. § 1.111

Mail Stop Amendment
Commissioner for Patents
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Commissioner:

In response to the Office Action mailed August 29, 2014, please amend the above-identified application as follows:

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A non-transitory computer readable storage medium, storing instructions that, when executed by a processor, ~~configure~~ program the processor to:

establish a communication connection with at least one of a plurality of ~~handheld~~ computing devices within a vehicle;

determine if the at least one of a plurality of ~~handheld~~ computing devices is a driver or non-driver ~~handheld~~ computing device based on a detected location of the communication connection;

if it is determined that the at least one of a plurality of ~~handheld~~ computing devices is a non-driver ~~handheld~~ computing device, enable ~~infotainment~~ control to adjust current infotainment settings for the vehicle from the non-driver ~~handheld~~ computing device; and

if it is determined that the at least one of a plurality of ~~handheld~~ computing devices is a driver ~~handheld~~ computing device, limit infotainment control to adjust current settings for the vehicle from the driver ~~handheld~~ computing device.

2. (Original) The computer readable storage medium of claim 1 wherein the detected location of the communication connection is established at a seat.

3. (Original) The computer readable storage medium of claim 2 wherein the seat includes at least one vehicle seat sensor.

4. (Original) The computer readable storage medium of claim 2 wherein the seat includes a physical connection port.

5. (Original) The computer readable storage medium of claim 2 wherein the seat includes a wireless transceiver.

6. (Original) The computer readable storage medium of claim 5 wherein the wireless transceiver is BLUETOOTH technology.

7. (Original) The computer readable storage medium of claim 2 wherein the seat includes communication with an in-vehicle camera system.

8. (Currently Amended) The computer readable storage medium of claim 1 additionally storing instructions to receive driver input limiting the ~~infotainment control~~ to adjust settings for the vehicle from the non-driver ~~handheld~~-computing device.

9. (Currently Amended) A vehicle computing system comprising:
one or more processors ~~programmed~~configured to:
establish a communication connection with at least one of a plurality of ~~handheld~~ computing devices within a vehicle;
determine if the at least one of a plurality of ~~handheld~~-computing devices is a driver or non-driver ~~handheld~~-computing device based on a ~~detected location of the communication connection~~;
if it is determined that the at least one of a plurality of ~~handheld~~-computing devices is a non-driver ~~handheld~~-computing device, enable ~~infotainment control~~ to adjust current infotainment settings for the vehicle from the non-driver ~~handheld~~-computing device; and
if it is determined that the at least one of a plurality of ~~handheld~~-computing devices is a driver ~~handheld~~-computing device, limit infotainment control to adjust settings for the vehicle from the driver ~~handheld~~-computing device.

10. (Original) The vehicle computing system of claim 9 wherein the detected location of the communication connection is established at a seat.

11. (Original) The vehicle computing system of claim 10 wherein seat includes a physical connection port.

12. (Original) The vehicle computing system of claim 10 wherein seat includes a vehicle seat wireless transceiver.

13. (Original) The vehicle computing system of claim 12 wherein the wireless transceiver is BLUETOOTH technology.

14. (Original) The vehicle computing system of claim 10 wherein the seat includes at least one vehicle seat sensor.

15. (Currently Amended) The vehicle computing system of claim 9 wherein the one or more processors are additionally ~~configured~~ programmed to allow a driver to limit infotainment control from the non-driver ~~handheld~~ computing.

16. (Currently Amended) A computer-implemented method for providing remote infotainment control using one or more ~~handheld~~ computing devices, comprising:
establishing a communication connection with the one or more ~~handheld~~ computing devices within a vehicle;
~~detecting~~ determining, via a vehicle computing system, a location of the communication connection; and
~~enabling infotainment control to adjust current infotainment settings for the vehicle~~ if the detected location is a non-driver location in the vehicle.

17. (Original) The method of claim 16 wherein the location of the communication connection includes using one or more seat inputs.

18. (Original) The method of claim 17 wherein the one or more seat inputs includes a wireless transceiver.

19. (Original) The method of claim 17 wherein the one or more seat inputs includes at least one passenger detection sensor.

20. (Original) The method of claim 17 wherein the one or more seat inputs includes a physical connection port address.

Remarks

Claims 1-20 are pending in this application, all of which now stand rejected.

Claim Rejections – 35 USC § 101

Claims 1-20 were rejected under 35 U.S.C. § 101 as being directed at an abstract idea. According to the Examiner, “these additional claim elements do not provide meaningful limitations to transform the abstract idea into a patent eligible application of the abstract idea such that the claims amount to significantly more than the abstract idea itself.” (Non-Final Rejection, 8/29/14 p. 3.)

Applicant objects to the characterization of the concept embodied in the claims as an abstract idea. According to the memorandum issued by the Deputy Commissioner for Patent Examination Policy, on June 25, 2014, “abstract ideas are excluded from eligibility based on a concern that monopolization of the basic tools of scientific and technological work might impede innovation more than it would promote it.” There is no fundamental concept being claimed in this application that embodies a basic tool of scientific or technological work. Nor has the Examiner provided any evidence of such a concept.

The memorandum continues with a list of examples of abstract ideas that include “fundamental economic practices, methods of organizing human activities, an idea of itself, and mathematical relationships/formulas.” Nothing in the claims is a “fundamental economic practice, a method of organizing human activities, an idea of itself, or a mathematical relationship/formula.” Thus, again, because the Examiner has done no more than allege that the claims are directed at an abstract idea, without a clear explanation as to why the claims embody one of the examples above, or a similar abstract idea category, it is difficult to understand how the Examiner can just generically state that the claims are “directed at an abstract idea.”

The memorandum of June 25, 2014, states that *Bilksi* analysis still applies to determine *what* is an abstract idea (pg. 2, par. 2). While the two-step *Alice* process “supersedes” 2106(II)(B), it does not ignore 2106(II)(B)’s definition of an abstract idea.

MPEP 2106(II)(B)(1) lists several factors useful in considering whether a concept is an abstract idea:

- 1) Whether the method involves or is executed by a particular machine – According to the MPEP, “(a) general purpose computer *may be sufficiently ‘particular’ when programmed to perform the process steps...* To qualify as a particular machine under the test, the claim must clearly convey that the computer is programmed to perform the steps of the method because such programming, in effect, creates a special purpose computer limited to the use of the particularly claimed combination of elements performing the particularly claimed combination of functions.”

This factor also considers whether the machine or apparatus implements the steps of the method, “Integral use of a machine or apparatus to achieve performance of the method weighs toward eligibility, as compared to where the machine or apparatus is merely an object on which the method operates.” Also considered is whether the machine involvement is mere extra-solution activity – generally, this has been interpreted to relate to machines only used for data gathering steps.

- 2) Whether performance of the claimed method results in or otherwise involves a transformation of a particular article – with respect to computer related data and the transformation thereof, the useful factors include determining “the nature of transformation in terms of the type or extent of change in state... for instance, by having a different use,” and “the extent to which the transformation imposes meaningful limits on the execution of the claimed method steps.”
- 3) Whether the performance of the claimed method involves an application of a law of nature – this inquiry is not relevant for these claims, other than to note that there is no law of nature applied here.

- 4) Whether a general concept (e.g., a principle, theory, plan or scheme) is involved in executing the steps of the method – the questions to determine this factor include “would use of the concept pre-empt its use in other fields;” “would the claim cover both known and unknown uses of the concept, performed through any existing or future machinery, even without any apparatus;” “would the claim cover all possible solutions to a particular problem, i.e., is the claim a statement of the problem as opposed to a solution;” “is the process implemented in some tangible way;” and “is the performance of the process observable and verifiable.”

For example and with regards to the first factor above, i.e. “does the machine perform the method,” claim 1 requires that instructions are stored on a computer readable storage medium that programs the processor to perform the methods thereof. Claim 9 positively recites a processor programmed to perform the operations therein. Similar use of the machine to perform the elements is integral in claim 16. In all instances, there are meaningful determinations performed by the computer, the computer is not merely a proxy for input and output in what would otherwise be an abstract decision.

With regards to the transformation step, the general useful result is the transformation of a vehicle-unrelated computing device to a device being affirmatively granted control over an infotainment system. Absent such a transformation, the vehicle-unrelated computing device would not generally be useable to control the infotainment system.

With regards to the “general concept” step, the Examiner has identified no “general concept” embodied in the claims. There is certainly no pre-emption of a general concept in another field, and no application of an “unknown use” of this concept that would be embodied. The process is not a statement of a problem, e.g. “a processor configured to: receive instructions to solve the problem of infotainment control; and apply the instructions,” and the process is observable (communication with one or more computing devices within the vehicle) and verifiable (e.g., the fact that tangible, specified results are obtained verifies the performance of the process).

Because the claims satisfy the *Bilski* requirements, they are thus not directed at an abstract idea, and thus the *Alice* inquiry ends (see step one of the two step process in the memorandum, stating that step two is only performed if the claim is directed to an abstract idea). To the extent that the Examiner continues to contend that the claims are directed at an abstract idea, more than a general allegation must be shown, in the same manner that a generalized allegation that the claims are “obvious” is insufficient to show obviousness.

A second problem with the rejection is that the Examiner states “The claims are directed to the abstract idea of an idea of itself since they could be performed without a computer.” (Non-Final Rejection, 8/29/14 p. 2.) But there is no showing of what the “an idea of itself since they could be performed without a computer” is considered to be, in the claims. To the extent that the Examiner wishes to allege that the step of generally establishing communication with a device is an abstract idea, the Applicant will not necessarily disagree, but all of activity involving the use of that input in a specific, novel and useful fashion is neither well-understood, routine, nor conventional. It is hardly commonplace to perform the steps as recited in the claims.

Finally, the Examiner contends that “additional claim elements do not provide meaningful limitation to transform the abstract idea into a patent eligible application of the abstract idea such that the claims amount to significantly more than the abstract idea itself.” (Non-Final Rejection, 8/29/14 p.3.) To the extent that by this statement the Examiner means that “a processor programmed to <do something specific>” is not statutory per se, this statement is incorrect. Nothing in *Alice* precluded the use of “computerized method” claims, or defined these as a new non-statutory class. With regards to the contention that the claims are not statutory in this specific case, because they recite a processor programmed to / a computerized method comprising: <execute an abstract idea>,” Applicant points to the analysis above, which adequately explains why the claims do not embody an abstract idea.

For at least these reasons, claims rejects claims 1-20 are allowable in light of 35 U.S.C. §101 and *Alice*. If the rejection is maintained, a specific explanation as to why the claims embody an abstract idea would be appreciated, including language from the claims and how that

language represents an abstract idea. In the absence of such an analysis, it is impossible for the Applicant to understand the contention that the claims embody an abstract idea and are thus patent-ineligible.

Claim Rejections – 35 USC § 103

Claims 1-20 were rejected under pre-AIA 35 U.S.C. §103(a) as being unpatentable over Divine et al. (US 2013/0030645), in view of Chien (US 2013/0274997). Applicant respectfully disagrees and traverses the rejection. Applicant, however, has amended the claims more particularly point out the claimed subject matter to advance prosecution.

Claim 1 requires, among other things, that a computer readable storage medium storing instructions to configure a processor to “limit infotainment control to adjust current settings for the vehicle at the driver computing device.” That is for example, a driver may have limited infotainment control to adjust current settings of the vehicle using their computing device. Divine provides an infotainment system that delivers content based on analysis of the profiles of the vehicle occupants as stated in the Abstract. As such, the infotainment system may query the mobile computing device for data so that the system can suggest what information to display or output as stated in paragraph [0033].

In contrast, the Applicant is claiming instructions to program a processor to recognize if the at least one of a plurality of computing devices is a non-driver or a driver computing device. Based on the recognition of the computing device, the instructions further program the processor to enable or limit infotainment control to adjust current settings of the vehicle at the recognized device. The Examiner states that Divine discloses preventing the driver from participating in certain infotainment functions. (Non-Final Rejection, 8/29/14, p. 4.) The infotainment system disclosed in Divine prevents content from being delivered to vehicle occupants. For example, the driver may be prevented from participating in a game with other occupants when the vehicle is traveling above a certain speed or under adverse driving conditions as stated in paragraph [0055]. The infotainment system in Divine limits the content (e.g., participating in a game) being delivered to the driver’s mobile device. Divine fails to disclose whether to limit

infotainment control to adjust current settings of the vehicle at the driver computing device, if the driver computing device is recognized.

Furthermore, the Examiner admits that Divine fails to disclose if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, and enable infotainment control from the non-driver computing device. The Examiner introduces Chien to cure the noted deficiencies of Divine. In Chien, the in-vehicle electronic system may restrict a driver by locking the in-vehicle touch screen as stated in paragraph [0067]. For example, if the mobile device attaches to a driver, the in-vehicle electronic system may restrict driver input at the in-vehicle touchscreen, in-vehicle buttons, in-vehicle knobs, and in-vehicle dials. If a mobile electronic device attaches to a non-driver, the user is free to operate the in-vehicle touchscreen.

In contrast, the Applicant is claiming to enable infotainment control to adjust current settings for the vehicle at the non-driver computing device, not at the in-vehicle touchscreen. Chien does not disclose storing instructions that program the processor to recognize a computing device as a driver or non-driver computing device, and to enable or limit infotainment control to adjust current settings of the vehicle at the recognized device. Chien does not cure the noted deficiencies of Divine with respect to claims 1, 9, and 16 as amended.

Claims 9 and 16 have been amended to include the claimed subject matter as added to claim 1. Based on the analysis above, claims 1, 9, and 16 should be allowed.

Claims 2-8, 10-15, and 17-20 should be allowable based at least on dependency from allowable claims 1, 9, and 16.

Conclusion

Applicant has made a genuine effort to respond to each of the Examiner's objections and rejections in advancing the prosecution of this case. Applicant believes that all formal and substantive requirements for patentability have been met and that this case is in condition for allowance, which action is respectfully requested. If any additional issues need to be resolved, the Examiner is invited to contact the undersigned at his/her earliest convenience.

Please charge any fees or credit any overpayments as a result of the filing of this paper to our Deposit Account No. 06-1510.

Respectfully submitted,

Christopher Joseph DEMENIUK et al.

By: /Marco J. Gatti/

Marco J. Gatti

Reg. No. 70,959

Attorney for Applicant

Date: November 26, 2014

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Electronic Acknowledgement Receipt

EFS ID:	20810128
Application Number:	13839717
International Application Number:	
Confirmation Number:	3389
Title of Invention:	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES
First Named Inventor/Applicant Name:	Christopher Joseph Demeniuk
Customer Number:	28395
Filer:	Marco J. Gatti/Susan Olson
Filer Authorized By:	Marco J. Gatti
Attorney Docket Number:	83355966
Receipt Date:	26-NOV-2014
Filing Date:	15-MAR-2013
Time Stamp:	15:38:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Amendment_.pdf	72416 b307eb16d949c2d9ac0a7aa23d0cc2d1ba304a440	yes	12

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	5
	Applicant Arguments/Remarks Made in an Amendment	6	12
Warnings:			
Information:			
Total Files Size (in bytes):		72416	
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>			

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/839,717	Filing Date 03/15/2013	☐ To be Mailed
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ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

(Column 1)

(Column 2)

FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X \$ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	11/26/2014	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X \$80 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0	X \$420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
TOTAL ADD'L FEE						0	

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X \$ =
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =
	☐ Application Size Fee (37 CFR 1.16(s))					
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
TOTAL ADD'L FEE						

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/DIANA BATES/

This collection of information is required by 37 CFR 1.16. 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 12 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: 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.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/839,717	03/15/2013	Christopher Joseph Demeniuk	83355966	3389

28395 7590 12/22/2014
BROOKS KUSHMAN P.C./FGTL
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SOUTHFIELD, MI 48075-1238

EXAMINER

HEINLE, COURTNEY D

ART UNIT	PAPER NUMBER
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3668

MAIL DATE	DELIVERY MODE
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12/22/2014

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.

Office Action Summary	Application No. 13/839,717	Applicant(s) DEMENIUK ET AL.	
	Examiner COURTNEY HEINLE	Art Unit 3668	AIA (First Inventor to File) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11/26/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-20 is/are pending in the application.
5a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1-20 is/are rejected.
- 8) ☐ Claim(s) ____ is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some** c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) ☐ Notice of References Cited (PTO-892) | 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date ____. | 4) ☐ Other: ____. |

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Status of Claims

2. This action is in response to the applicant's filing on 26 November 2014. Claims **1-20** are pending and examined below.

Response to Arguments

3. Applicant's arguments filed 26 November 2014 regarding the 35 USC § 101 rejection of claims **1-20** have been fully considered and are persuasive. The 35 USC § 101 rejection of claims **1-20** is withdrawn.
4. Applicant's amendments and arguments filed 26 November 2014 regarding the 35 USC § 103 rejection of claims **1-20** have been fully considered but are not persuasive. The 35 USC § 103 rejection of claims **1-20** is maintained. The reasoning is as follows.

Applicant argues Chien fails to disclose recognizing a computing device as a driver or non-driver computing device, and enabling or limiting infotainment control to adjust current settings of the vehicle at the recognized device.

The Examiner disagrees. Applicant acknowledges Chien discloses a system that may restrict a driver by locking the in-vehicle touch screen. Chien also discloses enabling or limiting infotainment control to adjust current settings of the vehicle at the recognized device through restricting the transmission and reception of data with the recognized device (see at least ¶ [0066] *“the in-vehicle electronic system would restrict the transmission and reception of data with the mobile electronic device if the role of in-vehicle electronic system is the driver in-vehicle electronic system and the in-vehicle electronic system would not restrict the transmission and reception of data with the in-vehicle electronic system if the in-vehicle electronic system were the passenger in-vehicle electronic system. The driver in-vehicle electronic system may restrict access by restricting the data transmission in the audio/voice interface 323 and the data transmission in the display interface 321. For instance, the In-vehicle electronic system may utilizes its own processor & controller circuit 351 to block the transmission of phone calls, music, and movies from the mobile electronic device as well as filtering out text messages except for incoming phone calls”*). Furthermore, Chien also makes clear that the “functions and features” controlled by the recognized device through the in-vehicle electronic system include without limitation infotainment settings (see at least ¶ [0003] *“These features could range from basic automotive features such as the climate control, radio station tuning, music player control, to more non-basic features such as telephone functions, text messaging, internet surfing, GPS navigational system, satellite radio, rear view camera activation, night vision assistance, gaming systems, television services, and so forth. The in-vehicle electronic system may in fact be used to control and display*

Art Unit: 3668

almost everything on the vehicle including even features which are traditionally operated by buttons or switches external to the in-vehicle electronic system such as controls for seat adjustments or sun roofs.”).

Therefore, Applicant’s argument is not persuasive.

Claim Rejections - 35 USC § 103

5. The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims **1-20** are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Divine et al., U.S. Patent Application Publication No. 2013/0030645, in view of Chien, U.S. Patent Application Publication No. 2013/0274997, hereinafter Divine and Chien, respectively.

Regarding claim **1**, Divine discloses a non-transitory computer readable storage medium, storing instructions that, when executed by a processor, program the processor to: (*see at least Fig. 1; ¶ [0025] “computer memory 15”*);

- establish a communication connection with at least one of a plurality of computing devices within a vehicle; (*see at least ¶ [0033] “Mobile computing*

devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth) or a wired connection to an input port of a docking station.”);

- determine if the at least one of a plurality of computing devices is a driver or non-driver computing device based on a detected location of the communication connection; *(see at least Fig. 2-5; ¶ [0033] “the occupant may carry a personal mobile computing device, such as a phone, a smartphone, a portable media player, a handheld global positioning device, a laptop computer, etc. Such computing devices may be queried by the infotainment system to gather information about the occupant. In some instances, the queried information can be identifying information for the device user . . . The use of docking stations is a good technique for associating the user of the mobile device with the user's location in the vehicle.”);*

Divine fails to disclose if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and if it is determined that the at least one of a plurality of computing devices is a driver computing device, limit infotainment control to adjust current settings for the vehicle from the driver computing device. Divine does disclose preventing the driver from participating in certain infotainment functions *(see at least ¶ [0055] “For example, the driver may be prevented from participating in a game with other occupants when the vehicle is traveling above a certain speed or under adverse driving conditions (e.g., detected by vehicle rain sensors). In this case, the recommendation to play the game may be*

removed from the list of recommendations or modified to exclude invitation to the driver.”).

Chien teaches if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and if it is determined that the at least one of a plurality of computing devices is a driver computing device, limit infotainment control to adjust current settings for the vehicle from the driver computing device (*see at least ¶ [0067] “In one of the exemplary embodiments, in response to the mobile electronic device attaching to the in-vehicle electronic system, the operation for the driver role could be restricted in several ways. The driver in-vehicle electronic system could be restricted by locking the touch screen 312 of the in-vehicle electronic system or by deactivating input to the touch screen in-vehicle electronic system or by interrupting the interface 321 322 323 between the touch screen 312 of the driver in-vehicle electronic system and the mobile electronic device. The restriction of the driver role could also include restriction of the hardware interface of the in-vehicle electronic system such as buttons, knobs, dials. Otherwise, if the mobile electronic device attaches to a non-driver in-vehicle electronic system instead, the user is free to operate the touch screen and bottoms of the non-driver in-vehicle electronic system. Otherwise, if the mobile electronic device attaches to a non-driver in-vehicle electronic system instead, the user is free to operate the touch screen of the non-driver in-vehicle electronic system.”; ¶ [0066] “the in-vehicle electronic system would restrict the transmission and reception of data with the mobile electronic device if the role of in-*

vehicle electronic system is the driver in-vehicle electronic system and the in-vehicle electronic system would not restrict the transmission and reception of data with the in-vehicle electronic system if the in-vehicle electronic system were the passenger in-vehicle electronic system. The driver in-vehicle electronic system may restrict access by restricting the data transmission in the audio/voice interface 323 and the data transmission in the display interface 321. For instance, the In-vehicle electronic system may utilizes its own processor & controller circuit 351 to block the transmission of phone calls, music, and movies from the mobile electronic device as well as filtering out text messages except for incoming phone calls”; ¶ [0003] “These features could range from basic automotive features such as the climate control, radio station tuning, music player control, to more non-basic features such as telephone functions, text messaging, internet surfing, GPS navigational system, satellite radio, rear view camera activation, night vision assistance, gaming systems, television services, and so forth. The in-vehicle electronic system may in fact be used to control and display almost everything on the vehicle including even features which are traditionally operated by buttons or switches external to the in-vehicle electronic system such as controls for seat adjustments or sun roofs.”).

Thus, Divine discloses preventing the driver from participating in certain infotainment functions, while Chien teaches if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and if it is determined that the at least one of a plurality of computing devices is a driver

Art Unit: 3668

computing device, limit infotainment control to adjust current settings for the vehicle from the driver computing device. It would have been obvious to a person of ordinary skill in the art at the time of Applicant's invention to modify the system as disclosed in Divine to include if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and if it is determined that the at least one of a plurality of computing devices is a driver computing device, limit infotainment control to adjust current settings for the vehicle from the driver computing device as taught by Chien in order to improve the safety of vehicle operation.

Regarding claim **2**, Divine discloses the detected location of the communication connection is established at a seat. *(see at least Fig. 2; ¶ [0028] “In one example, weight of a vehicle occupant is determined from weight sensors disposed in the each vehicle seat. The weight sensors may be part of a vehicle safety subsystem and interfaced via the vehicle bus or internal communication network 19 to the infotainment system 10.”; ¶ [0030] “Input ports or docking stations 25 for mobile computing devices may also be positioning adjacent to each vehicle seat.”).*

Regarding claim **3**, Divine discloses the seat includes at least one vehicle seat sensor. *(see at least Fig. 2; ¶ [0028] “In one example, weight of a vehicle occupant is determined from weight sensors disposed in the each vehicle seat. The weight sensors*

Art Unit: 3668

may be part of a vehicle safety subsystem and interfaced via the vehicle bus or internal communication network 19 to the infotainment system 10.”).

Regarding claim **4**, Divine discloses the seat includes a physical connection port. *(see at least Fig. 2-5; ¶ [0030] “Input ports or docking stations 25 for mobile computing devices may also be positioning adjacent to each vehicle seat.”).*

Regarding claim **5**, Divine discloses the seat includes a wireless transceiver. *(see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth)”).*

Regarding claim **6**, Divine discloses the wireless transceiver is BLUETOOTH technology. *(see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth)”).*

Regarding claim **7**, Divine discloses the seat includes communication with an in-vehicle camera system. *(see at least Fig. 2; ¶ [0031] “Presence of a new occupant may be detected in various ways including the use of a camera”).*

Regarding claim **8**, Divine fails to disclose receive driver input limiting the control to adjust settings for the vehicle from the non-driver computing device. Divine does disclose excluding presentation of content from certain passengers *(see at least ¶*

[0069] *"It is understood that certain vehicle occupants may be excluded from those presented with recommendations (e.g., small children or infants)."*

Chien teaches receive driver input limiting the control to adjust settings for the vehicle from the non-driver computing device (see at least ¶ [0068] *"In one of the exemplary embodiments, the non-driver role may further includes a non-caller role such that a user may access entertainment features of the in-vehicle electronic system but would not be allowed to utilize communication related functions. For example, if the in-vehicle electronic system were meant to be operated by children, the profile setting of the in-vehicle electronic system could configure a restricted passenger role which restrict the passenger in-vehicle electronic system but in a different way relative to the driver in-vehicle electronic system. In this case, the restricted passenger role of the in-vehicle electronic system could not access communication functions such as phone calls, emails, messages but could otherwise have full access to all other functions."*).

Thus, Divine discloses excluding presentation of content from certain passengers, while Chien teaches receive driver input limiting the control to adjust settings for the vehicle from the non-driver computing device. It would have been obvious to a person of ordinary skill in the art at the time of Applicant's invention to modify the system as disclosed in Divine to include receive driver input limiting the control to adjust settings for the vehicle from the non-driver computing device as taught by Chien in order to limit driver distractions and improve the safety of vehicle operation.

Regarding claim **9**, Divine discloses a vehicle computing system comprising: one or more processors programmed to: *(see at least ¶ [0025] “computer processor 14”);*

- establish a communication connection with at least one of a plurality of computing devices within a vehicle; *(see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth) or a wired connection to an input port of a docking station.”);*
- determine if the at least one of a plurality of computing devices is a driver or non-driver computing device based on the communication connection; *(see at least Fig. 2-5; ¶ [0033] “the occupant may carry a personal mobile computing device, such as a phone, a smartphone, a portable media player, a handheld global positioning device, a laptop computer, etc. Such computing devices may be queried by the infotainment system to gather information about the occupant. In some instances, the queried information can be identifying information for the device user . . . The use of docking stations is a good technique for associating the user of the mobile device with the user’s location in the vehicle.”);*

Divine fails to disclose if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and if it is determined that the at least one of a plurality of computing devices is a driver computing device, limit infotainment control to adjust settings for the vehicle from the driver computing device. Divine does disclose preventing the driver from participating in certain infotainment functions *(see at least ¶ [0055] “For example, the driver may be*

Art Unit: 3668

prevented from participating in a game with other occupants when the vehicle is traveling above a certain speed or under adverse driving conditions (e.g., detected by vehicle rain sensors). In this case, the recommendation to play the game may be removed from the list of recommendations or modified to exclude invitation to the driver.”).

Chien teaches if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and if it is determined that the at least one of a plurality of computing devices is a driver computing device, limit infotainment control to adjust settings for the vehicle from the driver computing device (see at least ¶ [0067] “In one of the exemplary embodiments, in response to the mobile electronic device attaching to the in-vehicle electronic system, the operation for the driver role could be restricted in several ways. The driver in-vehicle electronic system could be restricted by locking the touch screen 312 of the in-vehicle electronic system or by deactivating input to the touch screen in-vehicle electronic system or by interrupting the interface 321 322 323 between the touch screen 312 of the driver in-vehicle electronic system and the mobile electronic device. The restriction of the driver role could also include restriction of the hardware interface of the in-vehicle electronic system such as buttons, knobs, dials. Otherwise, if the mobile electronic device attaches to a non-driver in-vehicle electronic system instead, the user is free to operate the touch screen and bottoms of the non-driver in-vehicle electronic system. Otherwise, if the mobile electronic device attaches to a non-driver in-vehicle electronic system

Art Unit: 3668

instead, the user is free to operate the touch screen of the non-driver in-vehicle electronic system.”; ¶ [0066] “the in-vehicle electronic system would restrict the transmission and reception of data with the mobile electronic device if the role of in-vehicle electronic system is the driver in-vehicle electronic system and the in-vehicle electronic system would not restrict the transmission and reception of data with the in-vehicle electronic system if the in-vehicle electronic system were the passenger in-vehicle electronic system. The driver in-vehicle electronic system may restrict access by restricting the data transmission in the audio/voice interface 323 and the data transmission in the display interface 321. For instance, the In-vehicle electronic system may utilizes its own processor & controller circuit 351 to block the transmission of phone calls, music, and movies from the mobile electronic device as well as filtering out text messages except for incoming phone calls”; ¶ [0003] “These features could range from basic automotive features such as the climate control, radio station tuning, music player control, to more non-basic features such as telephone functions, text messaging, internet surfing, GPS navigational system, satellite radio, rear view camera activation, night vision assistance, gaming systems, television services, and so forth. The in-vehicle electronic system may in fact be used to control and display almost everything on the vehicle including even features which are traditionally operated by buttons or switches external to the in-vehicle electronic system such as controls for seat adjustments or sun roofs.”).

Thus, Divine discloses preventing the driver from participating in certain infotainment functions, while Chien teaches if it is determined that the at least one of a

Art Unit: 3668

plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and if it is determined that the at least one of a plurality of computing devices is a driver computing device, limit infotainment control to adjust settings for the vehicle from the driver computing device. It would have been obvious to a person of ordinary skill in the art at the time of Applicant's invention to modify the system as disclosed in Divine to include if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and if it is determined that the at least one of a plurality of computing devices is a driver computing device, limit infotainment control to adjust settings for the vehicle from the driver computing device as taught by Chien in order to improve the safety of vehicle operation.

Regarding claim **10**, Divine discloses the detected location of the communication connection is established at a seat. *(see at least Fig. 2; ¶ [0028] “In one example, weight of a vehicle occupant is determined from weight sensors disposed in the each vehicle seat. The weight sensors may be part of a vehicle safety subsystem and interfaced via the vehicle bus or internal communication network 19 to the infotainment system 10.”; ¶ [0030] “Input ports or docking stations 25 for mobile computing devices may also be positioning adjacent to each vehicle seat.”).*

Regarding claim **11**, Divine discloses seat includes a physical connection port.
(see at least Fig. 2-5; ¶ [0030] “Input ports or docking stations 25 for mobile computing devices may also be positioning adjacent to each vehicle seat.”).

Regarding claim **12**, Divine discloses seat includes a vehicle seat wireless transceiver. *(see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth)”).*

Regarding claim **13**, Divine discloses the wireless transceiver is BLUETOOTH technology. *(see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth)”).*

Regarding claim **14**, Divine discloses the seat includes at least one vehicle seat sensor. *(see at least Fig. 2; ¶ [0028] “In one example, weight of a vehicle occupant is determined from weight sensors disposed in the each vehicle seat. The weight sensors may be part of a vehicle safety subsystem and interfaced via the vehicle bus or internal communication network 19 to the infotainment system 10.”).*

Regarding claim **15**, Divine fails to disclose the one or more processors are additionally programmed to allow a driver to limit infotainment control from the non-driver computing. Divine does disclose excluding presentation of content from certain passengers *(see at least ¶ [0069] “It is understood that certain vehicle occupants may*

Art Unit: 3668

be excluded from those presented with recommendations (e.g., small children or infants).”).

Chien teaches the one or more processors are additionally programmed to allow a driver to limit infotainment control from the non-driver computing (*see at least ¶ [0068]* “*In one of the exemplary embodiments, the non-driver role may further includes a non-caller role such that a user may access entertainment features of the in-vehicle electronic system but would not be allowed to utilize communication related functions. For example, if the in-vehicle electronic system were meant to be operated by children, the profile setting of the in-vehicle electronic system could configure a restricted passenger role which restrict the passenger in-vehicle electronic system but in a different way relative to the driver in-vehicle electronic system. In this case, the restricted passenger role of the in-vehicle electronic system could not access communication functions such as phone calls, emails, messages but could otherwise have full access to all other functions.*”).

Thus, Divine discloses excluding presentation of content from certain passengers, while Chien teaches the one or more processors are additionally programmed to allow a driver to limit infotainment control from the non-driver computing. It would have been obvious to a person of ordinary skill in the art at the time of Applicant's invention to modify the system as disclosed in Divine to include the one or more processors are additionally programmed to allow a driver to limit infotainment control from the non-driver computing as taught by Chien in order to limit driver distractions and improve the safety of vehicle operation.

Regarding claim **16**, Divine discloses a computer-implemented method for providing remote infotainment control using one or more computing devices, comprising:

- establishing a communication connection with the one or more computing devices within a vehicle; *(see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth) or a wired connection to an input port of a docking station.”);*
- determining, via a vehicle computing system, a location of the communication connection; and *(see at least Fig. 2-5; ¶ [0033] “the occupant may carry a personal mobile computing device, such as a phone, a smartphone, a portable media player, a handheld global positioning device, a laptop computer, etc. Such computing devices may be queried by the infotainment system to gather information about the occupant. In some instances, the queried information can be identifying information for the device user . . . The use of docking stations is a good technique for associating the user of the mobile device with the user’s location in the vehicle.”);*

Divine fails to disclose enabling control to adjust current infotainment settings for the vehicle if the detected location is a non-driver location in the vehicle. Divine does disclose preventing the driver from participating in certain infotainment functions *(see at least ¶ [0055] “For example, the driver may be prevented from participating in a game with other occupants when the vehicle is traveling above a certain speed or under*

Art Unit: 3668

adverse driving conditions (e.g., detected by vehicle rain sensors). In this case, the recommendation to play the game may be removed from the list of recommendations or modified to exclude invitation to the driver.”).

Chien teaches enabling control to adjust current infotainment settings for the vehicle if the detected location is a non-driver location in the vehicle (see at least ¶ [0067] “In one of the exemplary embodiments, in response to the mobile electronic device attaching to the in-vehicle electronic system, the operation for the driver role could be restricted in several ways. The driver in-vehicle electronic system could be restricted by locking the touch screen 312 of the in-vehicle electronic system or by deactivating input to the touch screen in-vehicle electronic system or by interrupting the interface 321 322 323 between the touch screen 312 of the driver in-vehicle electronic system and the mobile electronic device. The restriction of the driver role could also include restriction of the hardware interface of the in-vehicle electronic system such as buttons, knobs, dials. Otherwise, if the mobile electronic device attaches to a non-driver in-vehicle electronic system instead, the user is free to operate the touch screen and bottoms of the non-driver in-vehicle electronic system. Otherwise, if the mobile electronic device attaches to a non-driver in-vehicle electronic system instead, the user is free to operate the touch screen of the non-driver in-vehicle electronic system.”; ¶ [0066] “the in-vehicle electronic system would restrict the transmission and reception of data with the mobile electronic device if the role of in-vehicle electronic system is the driver in-vehicle electronic system and the in-vehicle electronic system would not restrict the transmission and reception of data with the in-vehicle electronic system if the in-

Art Unit: 3668

vehicle electronic system were the passenger in-vehicle electronic system. The driver in-vehicle electronic system may restrict access by restricting the data transmission in the audio/voice interface 323 and the data transmission in the display interface 321. For instance, the In-vehicle electronic system may utilizes its own processor & controller circuit 351 to block the transmission of phone calls, music, and movies from the mobile electronic device as well as filtering out text messages except for incoming phone calls”;

¶ [0003] *“These features could range from basic automotive features such as the climate control, radio station tuning, music player control, to more non-basic features such as telephone functions, text messaging, internet surfing, GPS navigational system, satellite radio, rear view camera activation, night vision assistance, gaming systems, television services, and so forth. The in-vehicle electronic system may in fact be used to control and display almost everything on the vehicle including even features which are traditionally operated by buttons or switches external to the in-vehicle electronic system such as controls for seat adjustments or sun roofs.”).*

Thus, Divine discloses preventing the driver from participating in certain infotainment functions, while Chien teaches enabling control to adjust current infotainment settings for the vehicle if the detected location is a non-driver location in the vehicle. It would have been obvious to a person of ordinary skill in the art at the time of Applicant's invention to modify the system as disclosed in Divine to include enabling control to adjust current infotainment settings for the vehicle if the detected location is a non-driver location in the vehicle as taught by Chien in order to allow safe operation of the infotainment system.

Regarding claim **17**, Divine discloses the location of the communication connection includes using one or more seat inputs. *(see at least Fig. 2; ¶ [0028] “In one example, weight of a vehicle occupant is determined from weight sensors disposed in the each vehicle seat. The weight sensors may be part of a vehicle safety subsystem and interfaced via the vehicle bus or internal communication network 19 to the infotainment system 10.”; ¶ [0030] “Input ports or docking stations 25 for mobile computing devices may also be positioning adjacent to each vehicle seat.”).*

Regarding claim **18**, Divine discloses the one or more seat inputs includes a wireless transceiver. *(see at least ¶ [0033] “Mobile computing devices may be interface with the infotainment system via a wireless data link (e.g., Bluetooth)”).*

Regarding claim **19**, Divine discloses the one or more seat inputs includes at least one passenger detection sensor. *(see at least Fig. 2; ¶ [0028] “In one example, weight of a vehicle occupant is determined from weight sensors disposed in the each vehicle seat. The weight sensors may be part of a vehicle safety subsystem and interfaced via the vehicle bus or internal communication network 19 to the infotainment system 10.”).*

Regarding claim **20**, Divine discloses the one or more seat inputs includes a physical connection port address. *(see at least Fig. 2-5; ¶ [0030] “Input ports or docking*

Art Unit: 3668

stations 25 for mobile computing devices may also be positioning adjacent to each vehicle seat.”).

Although Divine fails to explicitly disclose a port address, using such means for identifying the location of a physical connection port in a vehicle would have been an obvious matter of design choice within the skill of the art, since use of claimed feature solves no stated problem and presents no unexpected result.

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to COURTNEY HEINLE whose telephone number is (571) 270-3508. The examiner can normally be reached on Monday through Thursday, 8:30am-7:00pm.

Art Unit: 3668

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fadey Jabr can be reached on 571-272-1516. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/C. H./

Examiner, Art Unit 3668

/FADEY JABR/

Supervisory Patent Examiner, Art Unit 3668

Search Notes 	Application/Control No. 13839717	Applicant(s)/Patent Under Reexamination DEMENIUK ET AL.
	Examiner COURTNEY HEINLE	Art Unit 3668

CPC- SEARCHED		
Symbol	Date	Examiner
H04M1/6075-6091	08/11/2014	CH
H04L67/12	08/11/2014	CH
H04L2012/40273	08/11/2014	CH
B60K2350/35-357	08/11/2014	CH

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
701	2	08/11/2014	CH

SEARCH NOTES		
Search Notes	Date	Examiner
See attached EAST search history	08/11/2014	CH
Google	08/11/2014	CH
See attached EAST search history	12/12/2014	CH

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/C.H./ Examiner.Art Unit 3668	
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<i>Index of Claims</i> 	Application/Control No. 13839717	Applicant(s)/Patent Under Reexamination DEMENIUK ET AL.
	Examiner COURTNEY HEINLE	Art Unit 3668

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

☐ Claims renumbered in the same order as presented by applicant				☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		DATE							
Final	Original	08/10/2014	12/12/2014						
	1	✓	✓						
	2	✓	✓						
	3	✓	✓						
	4	✓	✓						
	5	✓	✓						
	6	✓	✓						
	7	✓	✓						
	8	✓	✓						
	9	✓	✓						
	10	✓	✓						
	11	✓	✓						
	12	✓	✓						
	13	✓	✓						
	14	✓	✓						
	15	✓	✓						
	16	✓	✓						
	17	✓	✓						
	18	✓	✓						
	19	✓	✓						
	20	✓	✓						

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID. OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2014/12/12 18:05
L2	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L3	2	L2 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L4	40	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L5	3	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L6	3	L4 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L7	4	L4 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L8	3	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L9	31	(offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05

L10	20167	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L11	647	L10 and infotainment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L12	255	L10 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L13	157	L10 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L14	5	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L15	3027	701/2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L16	18873	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L17	2268	L10 and L16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L18	105	L17 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L19	3	L18 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2014/12/12 18:05

			DERWENT; IBM_TDB			
L20	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L21	2	((("20120065815") or ("20110087385")).PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L22	2	((("8131458") or ("20090140064")).PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L23	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L24	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L25	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L26	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L27	191	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L28	20167	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L29	95	L27 and L28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L30	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L31	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L32	1	L31 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L33	14	L31 and engine	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L34	22	L31 and driver	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L35	3	L31 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L36	2	L31 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L37	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L38	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/12/12 18:05

			EPO; JPO; DERWENT; IBM_TDB			
L39	12	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L40	9	L39 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L41	3	L31 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L42	5	L31 and LCD	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L43	0	L31 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L44	6	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L45	20	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L46	8	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L47	95	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L48	686	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L49	260	L48 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L50	89	L28 and L49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L51	865	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/12/12 18:05

			EPO; JPO; DERWENT; IBM_TDB			
L52	98	L51 and L28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L53	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID. OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2014/12/12 18:05
L54	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L55	2	L54 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L56	40	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L57	3	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L58	3	L56 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L59	4	L56 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L60	3	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L61	31	(offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05

L62	20167	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L63	647	L62 and infotainment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L64	255	L62 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L65	157	L62 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L66	5	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L67	3027	701/2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L68	18873	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L69	2268	L62 and L68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L70	105	L69 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L71	3	L70 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2014/12/12 18:05

			DERWENT; IBM_TDB			
L72	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L73	2	((("20120065815") or ("20110087385")).PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L74	2	((("8131458") or ("20090140064")).PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L75	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L76	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L77	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L78	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L79	191	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L80	20167	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L81	95	L79 and L80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L82	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L83	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L84	1	L83 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L85	14	L83 and engine	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L86	22	L83 and driver	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L87	3	L83 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L88	2	L83 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L89	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L90	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/12/12 18:05

			EPO; JPO; DERWENT; IBM_TDB			
L91	12	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L92	9	L91 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L93	3	L83 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L94	5	L83 and LCD	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L95	0	L83 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L96	6	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L97	20	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L98	8	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L99	95	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L100	686	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L101	260	L100 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L102	89	L80 and L101	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L103	865	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/12/12 18:05

			EPO; JPO; DERWENT; IBM_TDB			
L104	98	L103 and L80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L105	5	((("20110087385") or ("20130030645") or ("20110166748") or ("20130274997") or ("20120115446"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L106	1	L105 and playlist	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L107	31	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L108	1262890	(plurality or plural or multiple or two or many) with (handheld or mobile or computer or computing or phone)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L109	15	L107 and L108	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L110	2	L107 and (share with (content or media or file or playlist))	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L111	13	L107 and priority	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L112	25	L107 and navigation	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L113	0	L107 and (point adj of adj interest)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L114	18	L107 and destination	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L115	4	L107 and (driver with navigation)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L116	0	L107 and ((point adj of adj interest) or (points adj of adj interest))	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L117	1	L107 and POI	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L118	12	L107 and (lock or locked)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L119	4	L107 and ((lock or locked or prevent or disable or disabled) with (destination or navigation))	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L120	13	L107 and (safe or safety)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L121	1	L107 and (prevent with driver)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L122	1	L107 and ((restrict or disable) with driver)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L123	8	((("20120094657") or ("20060265117") or ("20080200209") or ("20120197523") or ("20140106712") or ("8527013") or ("8670897") or ("20100037057"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05

L124	8	L123 and driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L125	0	L123 and non-driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L126	4	L123 and (passenger or occupant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L127	31	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L128	1729	H04M1/6075-6091.cpc.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L129	5859	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L130	17334	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L131	4783	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L132	877	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L133	5859	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2014/12/12 18:05

			IBM_TDB			
L134	17334	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L135	4783	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L136	877	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L137	1449086	(((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L138	3569	(non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L139	154	L138 and L133	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L140	114	L138 and L134	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L141	22	L138 and L135	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L142	14	L138 and L136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L143	368	(non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or	US-PGPUB; USPAT; USOCR;	OR	OFF	2014/12/12 18:05

		portable) adj phone) or smartphone or (smart adj phone)) with (identify\$3 or recogniz\$3 determin\$3)	FPRS; EPO; JPO; DERWENT; IBM_TDB			
L144	26	L143 and L133	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L145	13	L143 and L134	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L146	0	L143 and L135	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L147	3	L143 and L136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L148	13	(US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$).did.	US-PGPUB	OR	OFF	2014/12/12 18:05
L149	12	L148 and (navigation or climate or seat or music)	US-PGPUB	OR	OFF	2014/12/12 18:05
L150	2	L148 and (settings with (navigation or climate or seat or music))	US-PGPUB	OR	OFF	2014/12/12 18:05
L151	13	(US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$).did.	US-PGPUB	OR	OFF	2014/12/12 18:05
L152	12	L151 and (profile or settings or configure or configuration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L153	368	((non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with (identify\$3 or recogniz\$3 determin\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L154	46	L153 and preset	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05

L155	3	((("20110137520") or ("20120214470") or ("20070171057"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12: 18:05
L156	2859	((((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with input with navigation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12: 18:05
L157	5859	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12: 18:05
L158	17334	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12: 18:05
L159	4783	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12: 18:05
L160	877	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12: 18:05
L161	30	L156 and L157	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12: 18:05
L162	7	L156 and L158	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12: 18:05
L163	0	L156 and L159	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12: 18:05
L164	5	L156 and L160	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12: 18:05
L165	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID. OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-	US-PGPUB; USPAT;	OR	ON	2014/12/12: 18:05

		20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	USOCR			
L166	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L167	2	L166 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L168	40	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L169	3	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L170	3	L168 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L171	4	L168 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L172	3	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L173	31	(offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L174	20167	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L175	647	L174 and infotainment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2014/12/12 18:05

			DERWENT; IBM_TDB			
L176	255	L174 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L177	157	L174 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L178	5	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L179	3027	701/2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L180	18873	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L181	2268	L174 and L180	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L182	105	L181 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L183	3	L182 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L184	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L185	2	((("20120065815") or ("20110087385"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L186	2	((("8131458") or ("20090140064"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L187	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05

L188	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L189	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L190	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L191	191	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L192	20167	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L193	95	L191 and L192	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L194	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L195	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L196	1	L195 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L197	14	L195 and engine	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L198	22	L195 and driver	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L199	3	L195 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L200	2	L195 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L201	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L202	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L203	12	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L204	9	L203 and vehicle	US-PGPUB;	OR	ON	2014/12/12

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			18:05
L205	3	L195 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L206	5	L195 and LCD	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L207	0	L195 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L208	6	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L209	20	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L210	8	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L211	95	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L212	686	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L213	260	L212 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L214	89	L192 and L213	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L215	865	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L216	98	L215 and L192	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L217	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID.	US-PGPUB;	OR	ON	2014/12/12

		OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	USPAT; USOCR			18:05
L218	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L219	2	L218 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/ 12/ 12 18:05
L220	40	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/ 12/ 12 18:05
L221	3	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/ 12/ 12 18:05
L222	3	L220 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/ 12/ 12 18:05
L223	4	L220 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/ 12/ 12 18:05
L224	3	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/ 12/ 12 18:05
L225	31	(offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/ 12/ 12 18:05
L226	20167	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/ 12/ 12 18:05
L227	647	L226 and infotainment	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/ 12/ 12 18:05

			EPO; JPO; DERWENT; IBM_TDB			
L228	255	L226 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L229	157	L226 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L230	5	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L231	3027	701/2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L232	18873	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L233	2268	L226 and L232	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L234	105	L233 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L235	3	L234 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L236	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L237	2	((("20120065815") or ("20110087385"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L238	2	((("8131458") or ("20090140064"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L239	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05

L240	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L241	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L242	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L243	191	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L244	20167	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L245	95	L243 and L244	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L246	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:05
L247	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L248	1	L247 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L249	14	L247 and engine	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L250	22	L247 and driver	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L251	3	L247 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L252	2	L247 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L253	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L254	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L255	12	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L256	9	L255 and vehicle	US-PGPUB;	OR	ON	2014/12/12

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			18:05
L257	3	L247 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L258	5	L247 and LCD	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L259	0	L247 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L260	6	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L261	20	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2014/12/12 18:05
L262	8	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L263	95	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L264	686	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L265	260	L264 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L266	89	L244 and L265	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L267	865	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L268	98	L267 and L244	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:05
L269	5	((("20110087385") or ("20130030645") or ("20110166748") or	US-PGPUB;	OR	OFF	2014/12/12

		("20130274997") or ("20120115446")).PN.	USPAT			18:05
L270	1	L269 and playlist	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/ 12/ 12 18:05
L271	31	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L272	1262890	(plurality or plural or multiple or two or many) with (handheld or mobile or computer or computing or phone)	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L273	15	L271 and L272	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L274	2	L271 and (share with (content or media or file or playlist))	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L275	13	L271 and priority	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L276	25	L271 and navigation	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L277	0	L271 and (point adj of adj interest)	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L278	18	L271 and destination	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L279	4	L271 and (driver with navigation)	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L280	0	L271 and ((point adj of adj interest) or (points adj of adj interest))	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L281	1	L271 and POI	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L282	12	L271 and (lock or locked)	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L283	4	L271 and ((lock or locked or prevent or disable or disabled) with (destination or navigation))	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L284	13	L271 and (safe or safety)	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L285	1	L271 and (prevent with driver)	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L286	1	L271 and ((restrict or disable) with driver)	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:05
L287	8	((("20120094657") or ("20060265117") or ("20080200209") or ("20120197523") or ("20140106712") or ("8527013") or ("8670897") or ("20100037057"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/ 12/ 12 18:05
L288	8	L287 and driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/ 12/ 12 18:05
L289	0	L287 and non-driver	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2014/ 12/ 12 18:05

			EPO; JPO; DERWENT; IBM_TDB			
L290	4	L287 and (passenger or occupant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/ 12/ 12; 18:05
L291	31	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	OFF	2014/ 12/ 12; 18:05
L292	1729	H04M1/6075-6091.cpc.	US-PGPUB; USPAT	OR	OFF	2014/ 12/ 12; 18:05
L293	5859	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/ 12/ 12; 18:05
L294	17334	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/ 12/ 12; 18:05
L295	4783	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/ 12/ 12; 18:05
L296	877	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/ 12/ 12; 18:05
L297	5859	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/ 12/ 12; 18:05
L298	17334	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/ 12/ 12; 18:05
L299	4783	H04L2012/40273.cpc.	US-PGPUB; USPAT;	OR	OFF	2014/ 12/ 12; 18:05

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
L300	877	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L301	1449086	((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L302	3569	(non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L303	154	L302 and L297	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L304	114	L302 and L298	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L305	22	L302 and L299	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L306	14	L302 and L300	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L307	368	(non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with (identify\$3 or recogniz\$3 determin\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L308	26	L307 and L297	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05

L309	13	L307 and L298	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L310	0	L307 and L299	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L311	3	L307 and L300	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:05
L312	13	(US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$).did.	US-PGPUB	OR	OFF	2014/12/12 18:06
L313	12	L312 and (navigation or climate or seat or music)	US-PGPUB	OR	OFF	2014/12/12 18:06
L314	2	L312 and (settings with (navigation or climate or seat or music))	US-PGPUB	OR	OFF	2014/12/12 18:06
L315	13	(US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$).did.	US-PGPUB	OR	OFF	2014/12/12 18:06
L316	12	L315 and (profile or settings or configure or configuration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:06
L317	368	((non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with (identify\$3 or recogniz\$3 determin\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:06
L318	46	L317 and preset	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:06
L319	3	((("20110137520") or ("20120214470") or ("20070171057"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:06
L320	2859	((((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with input with navigation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:06
L321	5859	H04M1/6075-6091.cpc.	US-PGPUB; USPAT;	OR	OFF	2014/12/12 18:06

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
L322	17334	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:06
L323	4783	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:06
L324	877	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:06
L325	30	L320 and L321	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:06
L326	7	L320 and L322	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:06
L327	0	L320 and L323	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:06
L328	5	L320 and L324	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/12/12 18:06
L329	1	("20140088793").PN.	US-PGPUB; USPAT	OR	OFF	2014/12/12 18:06
L330	26	("20040260438" "20060138308" "20070124043" "20090075624" "20120079002" "7026957" "7266435" "7489786" "7523679" "8180379").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:06
L331	51	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$	US-PGPUB; USPAT	OR	ON	2014/12/12 18:06

		or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$ or US-20140088793-\$ or US-20130145007-\$ or US-20130143528-\$ or US-20130143527-\$ or US-20110137520-\$ or US-20120214470-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$ or US-7523679-\$).did.				
L332	29	L331 and address	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L333	10	L331 and (address same location)	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L334	0	L331 and ((address with port) same location)	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L335	0	L331 and (address same port same location)	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L336	1	(address with port) same location same (occupant or passenger) same vehicle	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L337	7	(address same location same (occupant or passenger) same vehicle same dock\$3)	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L338	12546	port adj address	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L339	30	(port adj address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection))	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L340	1	L339 and vehicle	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L341	4091	(address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection))	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L342	1	L241 and vehicle	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L343	30	(port adj address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection))	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L344	4091	(address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection))	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L345	1836	L344 and (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or cell-phone or (cell adj phone) or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or smart-phone or (smart adj phone))	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L346	1	(port adj address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection)) same (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or cell-phone or (cell adj phone) or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or smart-phone or (smart adj phone))	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L347	301	(address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection)) same (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or cell-phone or (cell adj phone) or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or smart-phone or (smart adj phone))	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L348	41	L347 and vehicle	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L349	19	(address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection)) same (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or cell-phone or (cell adj phone) or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or smart-phone or (smart adj phone)) same vehicle	US-PGPUB; USPAT	OR	ON	2014/ 12/ 12 18:06
L350	51	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$	US-PGPUB;	OR	ON	2014/ 12/ 12

		or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$ or US-20140088793-\$ or US-20130145007-\$ or US-20130143528-\$ or US-20130143527-\$ or US-20110137520-\$ or US-20120214470-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$ or US-7523679-\$).did.	USPAT			18:06
L351	30	L350 and (driver with (limit\$3 or restrict\$3 or control\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/12/12 18:06
L352	51	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$ or US-20140088793-\$ or US-20130145007-\$ or US-20130143528-\$ or US-20130143527-\$ or US-20110137520-\$ or US-20120214470-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$ or US-7523679-\$).did.	US-PGPUB; USPAT	OR	ON	2014/12/12 18:06
S1	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID. OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2013/11/27 10:24
S2	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2013/11/27 11:36
S3	2	S2 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:39
S4	26	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:41
S5	0	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2013/11/27 11:43

			DERWENT; IBM_TDB			
S6	0	S4 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:43
S7	1	S4 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:43
S8	0	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:44
S9	20	(offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:45
S10	14692	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:47
S11	310	S10 and infotainment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:47
S12	109	S10 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:56
S13	52	S10 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:57
S14	0	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 13:03
S15	1978	701/2.ccls.	US-PGPUB; USPAT;	OR	ON	2013/11/27 13:04

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S16	14481	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 14:51
S17	1565	S10 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 14:51
S18	48	S17 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 14:53
S19	0	S18 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 15:02
S20	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 17:10
S21	2	((("20120065815") or ("20110087385"))).PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 17:14
S22	2	((("8131458") or ("20090140064"))).PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:05
S23	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:30
S24	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:37
S25	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:39
S26	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:42
S27	92	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 18:43
S28	14692	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 18:43
S29	13	S27 and S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2013/11/27 18:44

			DERWENT; IBM_TDB			
S30	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:48
S31	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2013/11/27 19:19
S32	1	S31 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:20
S33	14	S31 and engine	US-PGPUB; USPAT	OR	ON	2013/11/27 19:21
S34	22	S31 and driver	US-PGPUB; USPAT	OR	ON	2013/11/27 19:22
S35	3	S31 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2013/11/27 19:22
S36	2	S31 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:25
S37	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:26
S38	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 19:26
S39	8	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 19:26
S40	5	S39 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 19:26
S41	3	S31 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:37
S42	5	S31 and LCD	US-PGPUB; USPAT	OR	ON	2013/11/27 19:39
S43	0	S31 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:48
S44	0	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2013/11/27 19:48
S45	12	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2013/11/27 19:48
S46	5	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:10
S47	16	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB;	OR	ON	2013/11/27

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			22:20
S48	529	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:23
S49	156	S48 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:23
S50	12	S28 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:24
S51	687	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:25
S52	20	S51 and S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:25
S53	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID. OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2014/01/26 13:30
S54	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2014/01/26 13:30
S55	2	S54 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S56	28	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S57	0	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/01/26 13:30

			EPO; JPO; DERWENT; IBM_TDB			
S58	0	S56 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S59	1	S56 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S60	0	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S61	21	(offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S62	16745	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S63	340	S62 and infotainment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S64	116	S62 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S65	54	S62 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S66	0	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S67	2117	701/2.ccls.	US-PGPUB;	OR	ON	2014/01/26;

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			13:30
S68	16083	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S69	1722	S62 and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S70	49	S69 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S71	0	S70 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S72	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26 13:30
S73	2	((("20120065815") or ("20110087385"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26 13:30
S74	2	((("8131458") or ("20090140064"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26 13:30
S75	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26 13:30
S76	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26 13:30
S77	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26 13:30
S78	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26 13:30
S79	101	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S80	16745	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S81	14	S79 and S80	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/01/26 13:30

			EPO; JPO; DERWENT; IBM_TDB			
S82	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S83	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S84	1	S83 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S85	14	S83 and engine	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S86	22	S83 and driver	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S87	3	S83 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S88	2	S83 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S89	0	(configuration or configur\$3) with display with (engine adj performace)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S90	0	(configuration or configur\$3) with display with (engine adj performace)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S91	8	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S92	5	S91 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S93	3	S83 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S94	5	S83 and LCD	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S95	0	S83 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S96	0	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S97	12	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S98	6	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30

S99	16	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S100	548	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S101	159	S100 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S102	12	S80 and S101	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S103	714	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S104	20	S103 and S80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S105	5	((("20110087385") or ("20130030645") or ("20110166748") or ("20130274997") or ("20120115446"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 14:46
S106	1	S105 and playlist	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 14:48
S107	31	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/01/26; 15:31
S108	1123166	(plurality or plural or multiple or two or many) with (handheld or mobile or computer or computing or phone)	US-PGPUB; USPAT	OR	ON	2014/01/26; 15:32
S109	15	S107 and S108	US-PGPUB; USPAT	OR	ON	2014/01/26; 15:34
S110	2	S107 and (share with (content or media or file or playlist))	US-PGPUB;	OR	ON	2014/01/26;

			USPAT			15:43
S111	13	S107 and priority	US-PGPUB; USPAT	OR	ON	2014/01/26 15:46
S112	25	S107 and navigation	US-PGPUB; USPAT	OR	ON	2014/01/26 16:05
S113	0	S107 and (point adj of adj interest)	US-PGPUB; USPAT	OR	ON	2014/01/26 16:07
S114	18	S107 and destination	US-PGPUB; USPAT	OR	ON	2014/01/26 16:07
S115	4	S107 and (driver with navigation)	US-PGPUB; USPAT	OR	ON	2014/01/26 16:26
S116	0	S107 and ((point adj of adj interest) or (points adj of adj interest))	US-PGPUB; USPAT	OR	ON	2014/01/26 16:27
S117	1	S107 and POI	US-PGPUB; USPAT	OR	ON	2014/01/26 16:27
S118	12	S107 and (lock or locked)	US-PGPUB; USPAT	OR	ON	2014/01/26 16:41
S119	4	S107 and ((lock or locked or prevent or disable or disabled) with (destination or navigation))	US-PGPUB; USPAT	OR	ON	2014/01/26 16:53
S120	13	S107 and (safe or safety)	US-PGPUB; USPAT	OR	ON	2014/01/26 16:56
S121	1	S107 and (prevent with driver)	US-PGPUB; USPAT	OR	ON	2014/01/26 16:57
S122	1	S107 and ((restrict or disable) with driver)	US-PGPUB; USPAT	OR	ON	2014/01/26 16:58
S123	8	((("20120094657") or ("20060265117") or ("20080200209") or ("20120197523") or ("20140106712") or ("8527013") or ("8670897") or ("20100037057")).PN.	US-PGPUB; USPAT	OR	OFF	2014/05/27 09:49
S124	8	S123 and driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 09:51
S125	0	S123 and non-driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 09:51
S126	4	S123 and (passenger or occupant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 09:51
S127	31	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	OFF	2014/05/27 10:03
S128	1599	H04M1/6075-6091.cpc.	US-PGPUB; USPAT	OR	OFF	2014/05/27 10:24
S129	5495	H04M1/6075-6091.cpc.	US-PGPUB; USPAT;	OR	OFF	2014/05/27 10:24

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S130	15517	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:28
S131	4181	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:29
S132	725	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:29
S133	5495	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:40
S134	15517	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:41
S135	4181	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:41
S136	725	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:41
S137	1305742	((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:42
S138	3006	(non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:42

S139	134	S138 and S133	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:42
S140	74	S138 and S134	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:42
S141	21	S138 and S135	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:42
S142	9	S138 and S136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:42
S143	298	(non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with (identify\$3 or recogniz\$3 determin\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:46
S144	22	S143 and S133	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:46
S145	8	S143 and S134	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:46
S146	0	S143 and S135	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:46
S147	1	S143 and S136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 10:46
S148	13	(US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$).did.	US-PGPUB	OR	OFF	2014/05/27 11:11

S149	12	S148 and (navigation or climate or seat or music)	US-PGPUB	OR	OFF	2014/05/27 11:11
S150	2	S148 and (settings with (navigation or climate or seat or music))	US-PGPUB	OR	OFF	2014/05/27 11:11
S151	13	((US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$).did.	US-PGPUB	OR	OFF	2014/05/27 12:20
S152	12	S151 and (profile or settings or configure or configuration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 12:21
S153	298	((non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with (identify\$3 or recogniz\$3 determin\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 12:59
S154	33	S153 and preset	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/27 13:00
S155	3	((("20110137520") or ("20120214470") or ("20070171057"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/05/27 15:04
S156	2525	((((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with input with navigation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:56
S157	5495	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:57
S158	15517	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:57
S159	4181	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:58
S160	725	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28 08:58

S161	25	S156 and S157	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28: 08:58
S162	6	S156 and S158	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28: 08:58
S163	0	S156 and S159	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28: 08:58
S164	2	S156 and S160	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/05/28: 08:58
S165	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID. OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/08: 17:17
S166	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2014/08/08: 17:17
S167	2	S166 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08: 17:17
S168	36	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08: 17:17
S169	3	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08: 17:17
S170	3	S168 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08: 17:17
S171	4	S168 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR;	OR	ON	2014/08/08: 17:17

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S172	3	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S173	28	((offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S174	18629	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S175	478	S174 and infotainment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S176	157	S174 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S177	72	S174 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S178	3	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S179	2665	701/2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S180	17655	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17

S181	2031	S174 and S180	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S182	61	S181 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S183	3	S182 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S184	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S185	2	((("20120065815") or ("20110087385"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S186	2	((("8131458") or ("20090140064"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S187	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S188	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S189	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S190	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S191	114	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S192	18629	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S193	21	S191 and S192	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S194	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S195	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17

		US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.				
S196	1	S195 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S197	14	S195 and engine	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S198	22	S195 and driver	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S199	3	S195 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S200	2	S195 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S201	0	(configuration or configur\$3) with display with (engine adj performace)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S202	0	(configuration or configur\$3) with display with (engine adj performace)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S203	12	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S204	9	S203 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S205	3	S195 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S206	5	S195 and LCD	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S207	0	S195 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S208	6	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S209	19	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S210	8	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S211	19	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S212	582	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17

S213	171	S212 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S214	15	S192 and S213	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S215	753	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S216	24	S215 and S192	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S217	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID. OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2014/08/08 17:17
S218	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S219	2	S218 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S220	36	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S221	3	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S222	3	S220 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S223	4	S220 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR;	OR	ON	2014/08/08 17:17

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S224	3	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S225	28	((offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S226	18629	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S227	478	S226 and infotainment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S228	157	S226 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S229	72	S226 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S230	3	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S231	2665	701/2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S232	17655	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17

S233	2031	S226 and S232	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S234	61	S233 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S235	3	S234 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S236	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S237	2	((("20120065815") or ("20110087385"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S238	2	((("8131458") or ("20090140064"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S239	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S240	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S241	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S242	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S243	114	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S244	18629	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S245	21	S243 and S244	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S246	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S247	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17

		US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.				
S248	1	S247 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S249	14	S247 and engine	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S250	22	S247 and driver	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S251	3	S247 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S252	2	S247 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S253	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S254	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S255	12	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S256	9	S255 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S257	3	S247 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S258	5	S247 and LCD	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S259	0	S247 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S260	6	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S261	19	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S262	8	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S263	19	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S264	582	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17

S265	171	S264 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S266	15	S244 and S265	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S267	753	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S268	24	S267 and S244	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S269	5	((("20110087385") or ("20130030645") or ("20110166748") or ("20130274997") or ("20120115446")).PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S270	1	S269 and playlist	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:17
S271	31	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S272	1205417	(plurality or plural or multiple or two or many) with (handheld or mobile or computer or computing or phone)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S273	15	S271 and S272	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S274	2	S271 and (share with (content or media or file or playlist))	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S275	13	S271 and priority	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S276	25	S271 and navigation	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S277	0	S271 and (point adj of adj interest)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S278	18	S271 and destination	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S279	4	S271 and (driver with navigation)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S280	0	S271 and ((point adj of adj interest) or (points adj of adj interest))	US-PGPUB;	OR	ON	2014/08/08

			USPAT			17:17
S281	1	S271 and POI	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S282	12	S271 and (lock or locked)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S283	4	S271 and ((lock or locked or prevent or disable or disabled) with (destination or navigation))	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S284	13	S271 and (safe or safety)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S285	1	S271 and (prevent with driver)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S286	1	S271 and ((restrict or disable) with driver)	US-PGPUB; USPAT	OR	ON	2014/08/08 17:17
S287	8	((("20120094657") or ("20060265117") or ("20080200209") or ("20120197523") or ("20140106712") or ("8527013") or ("8670897") or ("20100037057"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S288	8	S287 and driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S289	0	S287 and non-driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S290	4	S287 and (passenger or occupant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S291	31	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S292	1650	H04M1/6075-6091.cpc.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S293	5604	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S294	15955	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S295	4275	H04L2012/40273.cpc.	US-PGPUB;	OR	OFF	2014/08/08

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			17:17
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S297	5604	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S298	15955	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S299	4275	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S300	763	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
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S302	3176	(non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S303	142	S302 and S297	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S304	80	S302 and S298	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2014/08/08 17:17

			IBM_TDB			
S305	22	S302 and S299	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S306	11	S302 and S300	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S307	328	(non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with (identify\$3 or recogniz\$3 determin\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S308	24	S307 and S297	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S309	10	S307 and S298	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S310	0	S307 and S299	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S311	1	S307 and S300	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
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S313	12	S312 and (navigation or climate or seat or music)	US-PGPUB	OR	OFF	2014/08/08 17:17
S314	2	S312 and (settings with (navigation or climate or seat or music))	US-PGPUB	OR	OFF	2014/08/08 17:17
S315	13	(US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$).did.	US-PGPUB	OR	OFF	2014/08/08 17:17
S316	12	S315 and (profile or settings or configure or configuration)	US-PGPUB; USPAT; USOCR;	OR	OFF	2014/08/08 17:17

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S317	328	((non-driver or (non adj driver) or occupant or passenger) with (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with (identify\$3 or recogniz\$3 determin\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S318	40	S317 and preset	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S319	3	((("20110137520") or ("20120214470") or ("20070171057"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:17
S320	2631	((((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or (smart adj phone)) with input with navigation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S321	5604	H04M1/6075-6091.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S322	15955	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S323	4275	H04L2012/40273.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S324	763	B60K2350/35-357.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S325	25	S320 and S321	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S326	7	S320 and S322	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2014/08/08 17:17

			DERWENT; IBM_TDB			
S327	0	S320 and S323	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S328	2	S320 and S324	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/08/08 17:17
S329	1	("20140088793").PN.	US-PGPUB; USPAT	OR	OFF	2014/08/08 17:41
S330	26	("20040260438" "20060138308" "20070124043" "20090075624" "20120079002" "7026957" "7266435" "7489786" "7523679" "8180379").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/08 17:45
S331	51	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US- 20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$ or US-20140088793-\$ or US-20130145007-\$ or US-20130143528-\$ or US-20130143527-\$ or US-20110137520-\$ or US-20120214470-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$ or US-7523679-\$).did.	US-PGPUB; USPAT	OR	ON	2014/08/08 18:32
S332	29	S331 and address	US-PGPUB; USPAT	OR	ON	2014/08/08 18:33
S333	10	S331 and (address same location)	US-PGPUB; USPAT	OR	ON	2014/08/08 18:33
S334	0	S331 and ((address with port) same location)	US-PGPUB; USPAT	OR	ON	2014/08/08 18:38
S335	0	S331 and (address same port same location)	US-PGPUB; USPAT	OR	ON	2014/08/08 18:39
S336	1	(address with port) same location same (occupant or passenger) same vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08 18:39
S337	6	(address same location same (occupant or passenger) same vehicle same dock\$3)	US-PGPUB; USPAT	OR	ON	2014/08/08 18:41
S338	12221	port adj address	US-PGPUB; USPAT	OR	ON	2014/08/08 18:46
S339	30	(port adj address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection))	US-PGPUB; USPAT	OR	ON	2014/08/08 18:47
S340	1	S339 and vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08 18:48
S341	3957	(address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection))	US-PGPUB; USPAT	OR	ON	2014/08/08 18:48
S342	1	S241 and vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08 18:49

S343	30	(port adj address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection))	US-PGPUB; USPAT	OR	ON	2014/08/08: 18:53
S344	3957	(address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection))	US-PGPUB; USPAT	OR	ON	2014/08/08: 18:53
S345	1732	S344 and (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or cell-phone or (cell adj phone) or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or smart-phone or (smart adj phone))	US-PGPUB; USPAT	OR	ON	2014/08/08: 18:53
S346	1	(port adj address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection)) same (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or cell-phone or (cell adj phone) or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or smart-phone or (smart adj phone))	US-PGPUB; USPAT	OR	ON	2014/08/08: 18:53
S347	285	(address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection)) same (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or cell-phone or (cell adj phone) or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or smart-phone or (smart adj phone))	US-PGPUB; USPAT	OR	ON	2014/08/08: 18:54
S348	39	S347 and vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08: 18:54
S349	17	(address) same ((dock\$3 adj station) or ((physical or hardwired) adj connection)) same (((handheld or mobile or nomadic) near3 (comput\$3 or device)) or cellphone or cell-phone or (cell adj phone) or (personal adj digital adj assistant) or ((mobile or portable) adj phone) or smartphone or smart-phone or (smart adj phone)) same vehicle	US-PGPUB; USPAT	OR	ON	2014/08/08: 18:54
S350	51	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$ or US-20140088793-\$ or US-20130145007-\$ or US-20130143528-\$ or US-20130143527-\$ or US-20110137520-\$ or US-20120214470-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$ or US-7523679-\$).did.	US-PGPUB; USPAT	OR	ON	2014/08/10: 16:50
S351	30	S350 and (driver with (limit\$3 or restrict\$3 or control\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/08/10: 16:51
S352	51	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-20130337763-\$ or US-20130295913-\$ or US-20130035117-\$ or US-20120006611-\$ or US-20120006610-\$ or US-20110053506-\$ or US-20100148920-\$ or US-20090224931-\$ or US-20090002147-\$ or US-20080064446-\$ or US-20130295901-\$ or US-20120161927-\$ or US-20120071151-\$ or US-20140088793-\$ or US-20130145007-\$ or US-20130143528-\$ or US-20130143527-\$ or US-20110137520-\$ or US-20120214470-\$).did. or (US-8180379-\$ or US-7489786-\$ or	US-PGPUB; USPAT	OR	ON	2014/12/12: 15:44

		US-7266435-\$ or US-7026957-\$ or US-8571571-\$ or US-7523679-\$).did.					
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EAST Search History (Interference)

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12/ 12/ 2014 6:25:50 PM

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Christopher Joseph DEMENIUK et al.

Serial No.: 13/839,717

Filed: March 15, 2013

For: SYSTEM AND METHOD OF DETERMINING OCCUPANT
LOCATION USING CONNECTED DEVICES

Attorney Docket No.: 83355966

Group Art Unit: 3668

Examiner: Courtney D. Heinle

AMENDMENT UNDER 37 C.F.R. § 1.116
UNDER AFTER FINAL PILOT PROGRAM 2.0

Mail Stop AF
Commissioner for Patents
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Commissioner:

In response to the Final Office Action mailed December 22, 2014, please consider this amendment and remarks under the After Final Consideration Pilot Program 2.0. Applicant submits herewith form PTO/SB/434.

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A non-transitory computer readable storage medium, storing instructions that, when executed by a processor, program the processor to:

establish through a single infotainment system a communication connection with at least one of a plurality of computing devices within a vehicle;

determine if the at least one of a plurality of computing devices is a driver or non-driver computing device based on a detected location of the communication connection;

if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and

if it is determined that the at least one of a plurality of computing devices is a driver computing device, ~~limit~~enable a reduced amount of ~~infotainment~~ control to adjust current infotainment settings for the vehicle from the driver computing device.

2. (Original) The computer readable storage medium of claim 1 wherein the detected location of the communication connection is established at a seat.

3. (Original) The computer readable storage medium of claim 2 wherein the seat includes at least one vehicle seat sensor.

4. (Original) The computer readable storage medium of claim 2 wherein the seat includes a physical connection port.

5. (Original) The computer readable storage medium of claim 2 wherein the seat includes a wireless transceiver.

6. (Original) The computer readable storage medium of claim 5 wherein the wireless transceiver is BLUETOOTH technology.

7. (Original) The computer readable storage medium of claim 2 wherein the seat includes communication with an in-vehicle camera system.

8. (Previously Presented) The computer readable storage medium of claim 1 additionally storing instructions to receive driver input limiting the control to adjust settings for the vehicle from the non-driver computing device.

9. (Currently Amended) A vehicle computing system comprising:
one or more processors programmed to:
establish through a single infotainment system a communication connection with at least one of a plurality of computing devices within a vehicle;
determine if the at least one of a plurality of computing devices is a driver or non-driver computing device based on the communication connection;
if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and
if it is determined that the at least one of a plurality of computing devices is a driver computing device, ~~limit infotainment~~ enable a reduced amount of control to adjust current infotainment settings for the vehicle from the driver computing device.

10. (Original) The vehicle computing system of claim 9 wherein the detected location of the communication connection is established at a seat.

11. (Original) The vehicle computing system of claim 10 wherein seat includes a physical connection port.

12. (Original) The vehicle computing system of claim 10 wherein seat includes a vehicle seat wireless transceiver.

13. (Original) The vehicle computing system of claim 12 wherein the wireless transceiver is BLUETOOTH technology.

14. (Original) The vehicle computing system of claim 10 wherein the seat includes at least one vehicle seat sensor.

15. (Previously Presented) The vehicle computing system of claim 9 wherein the one or more processors are additionally programmed to allow a driver to limit infotainment control from the non-driver computing.

16. (Currently Amended) A ~~computer implemented method for providing remote infotainment control using one or more computing devices, comprising:~~
establishing through a single infotainment system a communication connection with ~~the one or more~~ at least one of a plurality of computing devices within a vehicle;
~~determining, via a the vehicle computing single infotainment system, a location of the communication connection; and~~
enabling control to adjust ~~current~~ infotainment settings for the vehicle in response to if the a determination that a detected location of the communication connection is a non-driver location ~~in the vehicle; and~~
enabling a restricted control to adjust infotainment settings in response to a determination that the detected location is a driver location.

17. (Original) The method of claim 16 wherein the location of the communication connection includes using one or more seat inputs.

18. (Original) The method of claim 17 wherein the one or more seat inputs includes a wireless transceiver.

19. (Original) The method of claim 17 wherein the one or more seat inputs includes at least one passenger detection sensor.

20. (Original) The method of claim 17 wherein the one or more seat inputs includes a physical connection port address.

Remarks

At the outset, the Applicant appreciates the Examiner's time and cooperation in conducting an interview on February 20, 2015, wherein amendments to independent claim 1 and the After Final Consideration Pilot Program (AFCP) 2.0 were discussed. For at least the reasons presented herein, all claims are believed to be in condition for allowance. Favorable reconsideration and allowance are respectfully requested. Claims 1-20 are pending in this application, all of which now stand rejected.

Claim Rejections – 35 USC § 103

Claims 1-20 were rejected under pre-AIA 35 U.S.C. §103(a) as being unpatentable over Divine et al. (US 2013/0030645), in view of Chien (US 2013/0274997). Applicant respectfully disagrees and traverses the rejection. Applicant, however, has amended the claims to more particularly point out the claimed subject matter to advance prosecution.

Claim 1, as amended, recites, inter alia, “establish through a single infotainment system a communication connection with at least one of a plurality of computing devices within a vehicle.” Specifically, the Applicant focuses on a single infotainment system configured to connect to a plurality of computing devices within a vehicle and to enable control of infotainment settings based on whether the computing device belongs to a driver or non-driver. The Examiner acquiesces that Divine fails to disclose if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and if it is determined that the at least one of a plurality of computing devices is a driver computing device, limit infotainment control to adjust current settings for the vehicle from the driver computing device. (Final Office Action, pg. 5, para. 2) The Examiner introduces Chien to cure the noted deficiencies. Chien, alone or combined with the art, does not cure the noted deficiencies of Divine with respect to claim 1.

For example, Chien discloses a proposed system of multiple in-vehicle electronic systems 201-204 inside a motor vehicle as stated in paragraph [0042] and as shown in Figure 2:

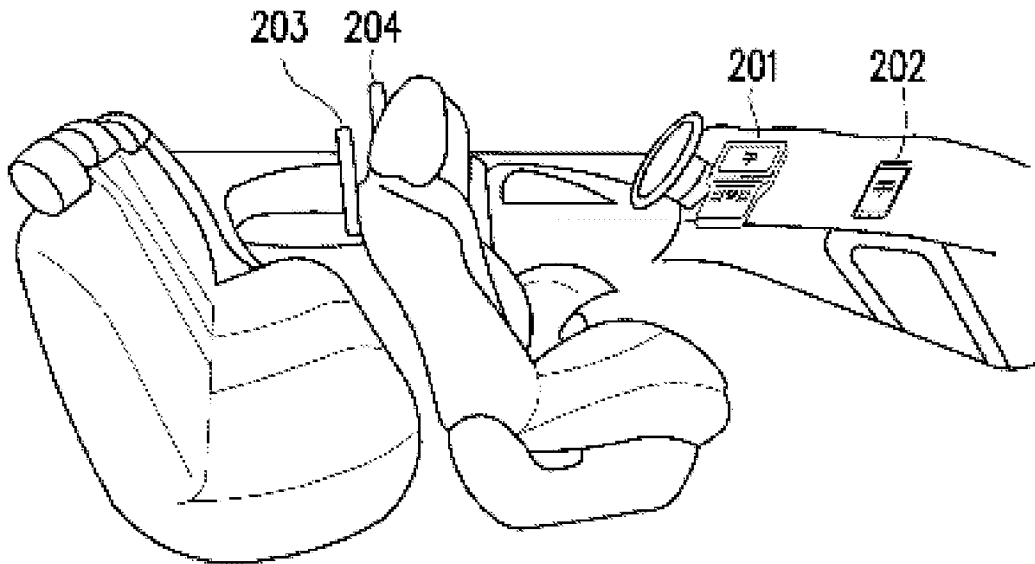


FIG. 2

Portable electronic devices can be plugged into each of the in-vehicle electronic systems 201-204. [T]he in-vehicle electronic system would restrict the transmission and reception of data with the mobile electronic device if the role of in-vehicle electronic system is the driver in-vehicle electronic system and the in-vehicle electronic system would not restrict the transmission and reception of data with the in-vehicle electronic system if the in-vehicle electronic system were the passenger in-vehicle electronic system. Chien [0066] (emphasis added). That is, each of Chien's in-vehicle electronic systems 201-204 is programmed to restrict the transmission and reception of data based upon its assigned role. (Chien [0063].) For example, the in-vehicle electronic system may be a driver in-vehicle electronic system 201, or may be a non-driver in-vehicle electronic system 202-204. Furthermore, the preconfigured role of each of the in-vehicle electronic systems 201-204 dictates the level of restriction: an in-vehicle electronic system configured as a driver in-vehicle electronic system would be more restrictive than an in-vehicle electronic system configured as a non-driver in-vehicle electronic system. As such, an in-vehicle

electronic system of Chien does not determine whether a driver or non-driver computing device is connected thereto. Put a different way, Chien and Divine cannot suggest the claimed invention.

Claims 9 and 16 recite limitations of claim 1, therefore, should be allowable based on the analysis above.

Claims 2-8, 10-15, and 17-20 are allowable based at least on dependency from allowable claims 1, 9, and 16, respectively.

Conclusion

Applicant has made a genuine effort to respond to each of the Examiner's objections and rejections in advancing the prosecution of this case. Applicant believes that all formal and substantive requirements for patentability have been met and that this case is in condition for allowance, which action is respectfully requested. Further, Applicant request consideration under the after final consideration pilot program 2.0. As such Form PTO/SB/434 is submitted herewith. If any additional issues need to be resolved, the Examiner is invited to contact the undersigned at his/her earliest convenience.

Please charge any fees or credit any overpayments as a result of the filing of this paper to our Deposit Account No. 06-1510.

Respectfully submitted,

Christopher Joseph DEMENIUK et al.

By: /Marco J. Gatti/
Marco J. Gatti
Reg. No. 70,959
Attorney for Applicant

Date: February 23, 2015

BROOKS KUSHMAN P.C.
1000 Town Center, 22nd Floor
Southfield, MI 48075-1238
Phone: 248-358-4400
Fax: 248-358-3351

CERTIFICATION AND REQUEST FOR CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0		
Practitioner Docket No.: <div style="font-size: 1.2em; font-weight: bold;">83355966</div>	Application No.: <div style="font-size: 1.2em; font-weight: bold;">13/839,717</div>	Filing Date: <div style="font-size: 1.2em; font-weight: bold;">March 15, 2013</div>
First Named Inventor: Christopher Joseph DEMENIUK et al.	Title: SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES	
<p>APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0 (AFCP 2.0) OF THE ACCOMPANYING RESPONSE UNDER 37 CFR 1.116.</p> <ol style="list-style-type: none"> 1. The above-identified application is (i) an original utility, plant, or design nonprovisional application filed under 35 U.S.C. 111(a) [a continuing application (<i>e.g.</i>, a continuation or divisional application) is filed under 35 U.S.C. 111(a) and is eligible under (i)], or (ii) an international application that has entered the national stage in compliance with 35 U.S.C. 371(c). 2. The above-identified application contains an outstanding final rejection. 3. Submitted herewith is a response under 37 CFR 1.116 to the outstanding final rejection. The response includes an amendment to at least one independent claim, and the amendment does not broaden the scope of the independent claim in any aspect. 4. This certification and request for consideration under AFCP 2.0 is the only AFCP 2.0 certification and request filed in response to the outstanding final rejection. 5. Applicant is willing and available to participate in any interview requested by the examiner concerning the present response. 6. This certification and request is being filed electronically using the Office's electronic filing system (EFS-Web). 7. Any fees that would be necessary consistent with current practice concerning responses after final rejection under 37 CFR 1.116, <i>e.g.</i>, extension of time fees, are being concurrently filed herewith. [There is no additional fee required to request consideration under AFCP 2.0.] 8. By filing this certification and request, applicant acknowledges the following: <ul style="list-style-type: none"> • Reissue applications and reexamination proceedings are not eligible to participate in AFCP 2.0. • The examiner will verify that the AFCP 2.0 submission is compliant, <i>i.e.</i>, that the requirements of the program have been met (see items 1 to 7 above). For compliant submissions: <ul style="list-style-type: none"> ○ The examiner will review the response under 37 CFR 1.116 to determine if additional search and/or consideration (i) is necessitated by the amendment and (ii) could be completed within the time allotted under AFCP 2.0. If additional search and/or consideration is required but cannot be completed within the allotted time, the examiner will process the submission consistent with current practice concerning responses after final rejection under 37 CFR 1.116, <i>e.g.</i>, by mailing an advisory action. ○ If the examiner determines that the amendment does not necessitate additional search and/or consideration, or if the examiner determines that additional search and/or consideration is required and could be completed within the allotted time, then the examiner will consider whether the amendment places the application in condition for allowance (after completing the additional search and/or consideration, if required). If the examiner determines that the amendment does not place the application in condition for allowance, then the examiner will contact the applicant and request an interview. <ul style="list-style-type: none"> ▪ The interview will be conducted by the examiner, and if the examiner does not have negotiation authority, a primary examiner and/or supervisory patent examiner will also participate. ▪ If the applicant declines the interview, or if the interview cannot be scheduled within ten (10) calendar days from the date that the examiner first contacts the applicant, then the examiner will proceed consistent with current practice concerning responses after final rejection under 37 CFR 1.116. 		
Signature <div style="font-size: 1.2em; font-weight: bold; text-align: center;">/Marco J. Gatti/</div>	Date <div style="font-size: 1.2em; font-weight: bold; text-align: center;">February 23, 2015</div>	
Name (Print/Typed) <div style="font-size: 1.2em; font-weight: bold; text-align: center;">Marco J. Gatti</div>	Practitioner Registration No. <div style="font-size: 1.2em; font-weight: bold; text-align: center;">70,959</div>	
Note: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.		
☒ * Total of <u>one</u> forms are submitted.		

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	21572183
Application Number:	13839717
International Application Number:	
Confirmation Number:	3389
Title of Invention:	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES
First Named Inventor/Applicant Name:	Christopher Joseph Demeniuk
Customer Number:	28395
Filer:	Marco J. Gatti/Susan Olson
Filer Authorized By:	Marco J. Gatti
Attorney Docket Number:	83355966
Receipt Date:	23-FEB-2015
Filing Date:	15-MAR-2013
Time Stamp:	16:43:18
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		AmendmentAF.pdf	61979 cb9ee281e6534b7b9586b2bc92d98ee023a63fad	yes	7

Multipart Description/PDF files in .zip description					
Document Description			Start	End	
Response After Final Action			1	1	
Claims			2	4	
Applicant Arguments/Remarks Made in an Amendment			5	7	
Warnings:					
Information:					
2	After Final Consideration Program Request	sb0434.pdf	226646	no	2
			a33552c3f1298462c4aa2873bd2d3ee502b0a88a		
Warnings:					
Information:					
Total Files Size (in bytes):			288625		
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					

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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/839,717	Filing Date 03/15/2013	☐ To be Mailed
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ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO**APPLICATION AS FILED – PART I**

(Column 1)

(Column 2)

FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X \$ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	02/23/2015	CLAIMS REMAINING AFTER AMENDMENT	Minus	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X \$80 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X \$420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	0

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	Minus	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	*	Minus	**	X \$ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	X \$ =	
	☐ Application Size Fee (37 CFR 1.16(s))					
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
						TOTAL ADD'L FEE

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/DIANA BATES/

This collection of information is required by 37 CFR 1.16. 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 12 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: 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.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/839,717	03/15/2013	Christopher Joseph Demeniuk	83355966	3389

28395 7590 02/26/2015
BROOKS KUSHMAN P.C./FGTL
1000 TOWN CENTER
22ND FLOOR
SOUTHFIELD, MI 48075-1238

EXAMINER

HEINLE, COURTNEY D

ART UNIT	PAPER NUMBER
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3668

NOTIFICATION DATE	DELIVERY MODE
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02/26/2015

ELECTRONIC

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.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docketing@brookskushman.com

<i>Applicant-Initiated Interview Summary</i>	Application No. 13/839,717	Applicant(s) DEMENIUK ET AL.	
	Examiner COURTNEY HEINLE	Art Unit 3668	

All participants (applicant, applicant's representative, PTO personnel):

(1) COURTNEY HEINLE. (3) ____.

(2) Marco Gatti. (4) ____.

Date of Interview: 20 February 2015.

Type: ☒ Telephonic ☐ Video Conference
 ☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☒ No.
 If Yes, brief description: ____.

Issues Discussed ☐101 ☐112 ☐102 ☒103 ☐Others
 (For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 1.

Identification of prior art discussed: US20130274997 (Chien).

Substance of Interview
 (For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Applicant proposed amendments to clarify the invention and distinguish over Chien. In particular, Applicant proposed language to clarify that the claims are directed to a single infotainment system, while Chien discloses a plurality of infotainment systems (see e.g. Fig. 2 of Chien). Examiner indicated that such an amendment appears to overcome Chien, but further search and/or analysis would be required.

Also, the Examiner indicated that it is not clear whether or to what extent the control to adjust settings differs between the driver and the non-driver as recited in the claims. Examiner suggested language to clarify that the driver has control to adjust fewer infotainment settings than the non-driver..

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/C. H./ Examiner, Art Unit 3668	/FADEY JABR/ Supervisory Patent Examiner, Art Unit 3668
------------------------------------	--

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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Alexandria, Virginia 22313-1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/839,717	03/15/2013	Christopher Joseph Demeniuk	83355966	3389

28395 7590 03/10/2015
BROOKS KUSHMAN P.C./FGTL
1000 TOWN CENTER
22ND FLOOR
SOUTHFIELD, MI 48075-1238

EXAMINER

HEINLE, COURTNEY D

ART UNIT	PAPER NUMBER
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3668

NOTIFICATION DATE	DELIVERY MODE
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03/10/2015

ELECTRONIC

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.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docketing@brookskushman.com

<i>Examiner-Initiated Interview Summary</i>	Application No. 13/839,717	Applicant(s) DEMENIUK ET AL.	
	Examiner COURTNEY HEINLE	Art Unit 3668	

All participants (applicant, applicant's representative, PTO personnel):

(1) COURTNEY HEINLE. (3) ____.

(2) Marco Gatti. (4) ____.

Date of Interview: 27 February 2015.

Type: ☒ Telephonic ☐ Video Conference
 ☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☒ No.
 If Yes, brief description: ____.

Issues Discussed ☐101 ☐112 ☐102 ☒103 ☐Others
 (For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 1.

Identification of prior art discussed: US20130030645 (Divine); US20130274997 (Chien).

Substance of Interview
 (For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Applicant proposed amendments to the independent claims. The Examiner acknowledged that the amendments appear to overcome the cited prior art, however, further search and/or analysis is required before allowance.

The Examiner also indicated that the recitation of "a reduced amount of control to adjust current infotainment settings" may be indefinite in that it is not clear what the reduced amount is compared to.

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/C. H./ Examiner, Art Unit 3668	/FADEY JABR/ Supervisory Patent Examiner, Art Unit 3668
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Advisory Action Before the Filing of an Appeal Brief	Application No. 13/839,717	Applicant(s) DEMENIUK ET AL.	
	Examiner COURTNEY HEINLE	Art Unit 3668	AIA (First Inventor to File) Status No

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

THE REPLY FILED 23 February 2015 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☒ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance;
 (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:

a) ☐ The period for reply expires _____ months from the mailing date of the final rejection.

b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection. The current period for reply expires _____ months from the mailing date of the prior Advisory Action or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.

Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANT'S FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) or (c) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☒ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because

a) ☒ They raise new issues that would require further consideration and/or search (see NOTE below);

b) ☐ They raise the issue of new matter (see NOTE below);

c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or

d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5. ☐ Applicant's reply has overcome the following rejection(s): _____.

6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. ☒ For purposes of appeal, the proposed amendment(s): (a) ☒ will not be entered, or (b) ☐ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

9. ☐ The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

10. ☐ The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

11. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

12. ☐ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
See Continuation Sheet.

13. ☐ Note the attached Information *Disclosure Statement(s)*. (PTO/SB/08) Paper No(s). _____

14. ☒ Other: PTO-413B, PTO-2323.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____.

Claim(s) objected to: _____.

Claim(s) rejected: 1-20.

Claim(s) withdrawn from consideration: _____.

/FADEY JABR/ Supervisory Patent Examiner, Art Unit 3668	/C. H./ Examiner, Art Unit 3668
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Continuation of 12. does NOT place the application in condition for allowance because:

Applicants amendments to the independent claims appear to overcome the cited prior art, however, further search and/or analysis is required before allowance. The Examiner further notes that the recitation of "a reduced amount of control to adjust current infotainment settings" may be indefinite in that it is not clear what the reduced amount is compared to.

AFCP 2.0 Decision

Application No.

13/839,717

Applicant(s)

DEMENIUK ET AL.

Examiner

COURTNEY HEINLE

Art Unit

3668

This is in response to the After Final Consideration Pilot request filed 23 February 2015.

1. **Improper Request** – The AFCP 2.0 request is improper for the following reason(s) and the after final amendment submitted with the request will be treated under pre-pilot procedure.

- ☐ An AFCP 2.0 request form PTO/SB/434 (or equivalent document) was not submitted.
- ☐ A non-broadening amendment to at least one independent claim was not submitted.
- ☐ A proper AFCP 2.0 request was submitted in response to the most recent final rejection.
- ☐ Other:

2. **Proper Request**

- A. After final amendment submitted with the request will not be treated under AFCP 2.0.

The after final amendment cannot be reviewed and a search conducted within the guidelines of the pilot program.

- ☐ The after final amendment will be treated under pre-pilot procedure.

- B. Updated search and/or completed additional consideration.

The examiner performed an updated search and/or completed additional consideration of the after final amendment within the time authorized for the pilot program. The result(s) of the updated search and/or completed additional consideration are:

- ☐ 1. All of the rejections in the most recent final Office action are overcome and a Notice of Allowance is issued herewith.
- ☐ 2. The after final amendment would not overcome all of the rejections in the most recent final Office action. See attached interview summary for further details.
- ☐ 3. The after final amendment was reviewed, and it raises a new issue(s). See attached interview summary for further details.
- ☒ 4. The after final amendment raises new issues, but would overcome all of the rejections in the most recent final Office action. A decision on determining allowability could not be made within the guidelines of the pilot. See attached interview summary for further details, including any newly discovered prior art.
- ☐ 5. Other:

Examiner Note: Please attach an interview summary when necessary as described above.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Christopher Joseph DEMENIUK et al.

Serial No.: 13/839,717

Filed: March 15, 2013

For: SYSTEM AND METHOD OF DETERMINING OCCUPANT
LOCATION USING CONNECTED DEVICES

Attorney Docket No.: 83355966

Group Art Unit: 3668

Examiner: Courtney D. Heinle

AMENDMENT UNDER 37 C.F.R. § 1.116
UNDER AFTER FINAL PILOT PROGRAM 2.0

Mail Stop AF
Commissioner for Patents
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

DO NOT ENTER: /C.H./ (02/27/2015)

Commissioner:

In response to the Final Office Action mailed December 22, 2014, please consider this amendment and remarks under the After Final Consideration Pilot Program 2.0. Applicant submits herewith form PTO/SB/434.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL (Submitted Only via EFS-Web)

Application Number	13/839,717	Filing Date	2013-03-15	Docket Number (if applicable)	83355966	Art Unit	3668
First Named Inventor	Christopher Joseph DEMENIUK et al.			Examiner Name	Courtney D. Heinle		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.

Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

☐ Other _____

☒ Enclosed

☒ Amendment/Reply

☐ Information Disclosure Statement (IDS)

☐ Affidavit(s)/ Declaration(s)

☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
(Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

☒ The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to
Deposit Account No 061510

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

Signature of Registered U.S. Patent Practitioner			
Signature	/Marco J. Gatti/	Date (YYYY-MM-DD)	2015-03-19
Name	Marco J. Gatti	Registration Number	70959

This collection of information is required by 37 CFR 1.114. 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 1.11 and 1.14. This collection is estimated to take 12 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.

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

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Christopher Joseph DEMENIUK et al.

Serial No.: 13/839,717

Filed: March 15, 2013

For: SYSTEM AND METHOD OF DETERMINING OCCUPANT
LOCATION USING CONNECTED DEVICES

Attorney Docket No.: 83355966

Group Art Unit: 3668

Examiner: Courtney D. Heinle

AMENDMENT UNDER 37 C.F.R. § 1.116
UNDER AFTER FINAL PILOT PROGRAM 2.0

Mail Stop AF
Commissioner for Patents
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Commissioner:

In response to the Final Office Action mailed December 22, 2014, please consider this amendment and remarks under the After Final Consideration Pilot Program 2.0. Applicant submits herewith form PTO/SB/434.

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A non-transitory computer readable storage medium, storing instructions that, when executed by a processor, program the processor to:

establish through a single infotainment system a communication connection with at least one of a plurality of computing devices within a vehicle;

determine if the at least one of a plurality of computing devices is a driver or non-driver computing device based on a detected location of the communication connection;

if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and

if it is determined that the at least one of a plurality of computing devices is a driver computing device, enable a reduced amount of control as compared to the non-driver computing device to adjust current infotainment settings for the vehicle from the driver computing device.

2. (Original) The computer readable storage medium of claim 1 wherein the detected location of the communication connection is established at a seat.

3. (Original) The computer readable storage medium of claim 2 wherein the seat includes at least one vehicle seat sensor.

4. (Original) The computer readable storage medium of claim 2 wherein the seat includes a physical connection port.

5. (Original) The computer readable storage medium of claim 2 wherein the seat includes a wireless transceiver.

6. (Original) The computer readable storage medium of claim 5 wherein the wireless transceiver is BLUETOOTH technology.

7. (Original) The computer readable storage medium of claim 2 wherein the seat includes communication with an in-vehicle camera system.

8. (Previously Presented) The computer readable storage medium of claim 1 additionally storing instructions to receive driver input limiting the control to adjust settings for the vehicle from the non-driver computing device.

9. (Currently Amended) A vehicle computing system comprising:
one or more processors programmed to:
establish through a single infotainment system a communication connection with at least one of a plurality of computing devices within a vehicle;
determine if the at least one of a plurality of computing devices is a driver or non-driver computing device based on the communication connection;
if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and
if it is determined that the at least one of a plurality of computing devices is a driver computing device, enable a reduced amount of control as compared to the non-driver computing device to adjust current infotainment settings for the vehicle from the driver computing device.

10. (Original) The vehicle computing system of claim 9 wherein the detected location of the communication connection is established at a seat.

11. (Original) The vehicle computing system of claim 10 wherein seat includes a physical connection port.

12. (Original) The vehicle computing system of claim 10 wherein seat includes a vehicle seat wireless transceiver.

13. (Original) The vehicle computing system of claim 12 wherein the wireless transceiver is BLUETOOTH technology.

14. (Original) The vehicle computing system of claim 10 wherein the seat includes at least one vehicle seat sensor.

15. (Previously Presented) The vehicle computing system of claim 9 wherein the one or more processors are additionally programmed to allow a driver to limit infotainment control from the non-driver computing.

16. (Currently Amended) A method comprising:
establishing through a single infotainment system a communication connection with at least one of a plurality of computing devices within a vehicle;
enabling control to adjust infotainment settings for the vehicle in response to a determination that a detected location of the communication connection is a non-driver location;
and
enabling a restricted control as compared to a non-driver computing device to adjust infotainment settings ~~in response to a determination that~~ based on the detected location is being a driver location.

17. (Original) The method of claim 16 wherein the location of the communication connection includes using one or more seat inputs.

18. (Original) The method of claim 17 wherein the one or more seat inputs includes a wireless transceiver.

19. (Original) The method of claim 17 wherein the one or more seat inputs includes at least one passenger detection sensor.

20. (Original) The method of claim 17 wherein the one or more seat inputs includes a physical connection port address.

Remarks

Applicant kindly thanks the Examiner for his time and consideration in conducting the recent telephonic interview on February 27, 2015. Applicant found the interview to be constructive and helpful to furthering prosecution. In accordance with the discussions held in the interview, Applicant has elected to file a Request for Continued Examination (RCE) in order to continue prosecution of the application. For at least the reasons presented herein, all claims are believed to be in condition for allowance. Favorable reconsideration and allowance are respectfully requested.

Claim Rejections – 35 USC § 103

Claims 1-20 were rejected under pre-AIA 35 U.S.C. §103(a) as being unpatentable over Divine et al. (US 2013/0030645), in view of Chien (US 2013/0274997). The Examiner acknowledged that the amendments appear to overcome the cited prior art as stated in the Advisory Action dated March 10, 2015.

Conclusion

Applicant has made a genuine effort to respond to each of the Examiner's objections and rejections in advancing the prosecution of this case. Applicant believes that all formal and substantive requirements for patentability have been met and that this case is in condition for allowance, which action is respectfully requested. If any additional issues need to be resolved, the Examiner is invited to contact the undersigned at his/her earliest convenience.

Please charge any fees or credit any overpayments as a result of the filing of this paper to our Deposit Account No. 06-1510.

Respectfully submitted,

Christopher Joseph DEMENIUK et al.

By: /Marco J. Gatti/

Marco J. Gatti

Reg. No. 70,959

Attorney for Applicant

Date: March 19, 2015

BROOKS KUSHMAN P.C.

1000 Town Center, 22nd Floor

Southfield, MI 48075-1238

Phone: 248-358-4400

Fax: 248-358-3351

CERTIFICATION AND REQUEST FOR CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0		
Practitioner Docket No.: 83355966	Application No.: 13/839,717	Filing Date: 2013-03-15
First Named Inventor: Christopher Joseph DEMENIUK et al.	Title: SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES	
<p>APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0 (AFCP 2.0) OF THE ACCOMPANYING RESPONSE UNDER 37 CFR 1.116.</p> <ol style="list-style-type: none"> 1. The above-identified application is (i) an original utility, plant, or design nonprovisional application filed under 35 U.S.C. 111(a) [a continuing application (<i>e.g.</i>, a continuation or divisional application) is filed under 35 U.S.C. 111(a) and is eligible under (i)], or (ii) an international application that has entered the national stage in compliance with 35 U.S.C. 371(c). 2. The above-identified application contains an outstanding final rejection. 3. Submitted herewith is a response under 37 CFR 1.116 to the outstanding final rejection. The response includes an amendment to at least one independent claim, and the amendment does not broaden the scope of the independent claim in any aspect. 4. This certification and request for consideration under AFCP 2.0 is the only AFCP 2.0 certification and request filed in response to the outstanding final rejection. 5. Applicant is willing and available to participate in any interview requested by the examiner concerning the present response. 6. This certification and request is being filed electronically using the Office's electronic filing system (EFS-Web). 7. Any fees that would be necessary consistent with current practice concerning responses after final rejection under 37 CFR 1.116, <i>e.g.</i>, extension of time fees, are being concurrently filed herewith. [There is no additional fee required to request consideration under AFCP 2.0.] 8. By filing this certification and request, applicant acknowledges the following: <ul style="list-style-type: none"> • Reissue applications and reexamination proceedings are not eligible to participate in AFCP 2.0. • The examiner will verify that the AFCP 2.0 submission is compliant, <i>i.e.</i>, that the requirements of the program have been met (see items 1 to 7 above). For compliant submissions: <ul style="list-style-type: none"> ○ The examiner will review the response under 37 CFR 1.116 to determine if additional search and/or consideration (i) is necessitated by the amendment and (ii) could be completed within the time allotted under AFCP 2.0. If additional search and/or consideration is required but cannot be completed within the allotted time, the examiner will process the submission consistent with current practice concerning responses after final rejection under 37 CFR 1.116, <i>e.g.</i>, by mailing an advisory action. ○ If the examiner determines that the amendment does not necessitate additional search and/or consideration, or if the examiner determines that additional search and/or consideration is required and could be completed within the allotted time, then the examiner will consider whether the amendment places the application in condition for allowance (after completing the additional search and/or consideration, if required). If the examiner determines that the amendment does not place the application in condition for allowance, then the examiner will contact the applicant and request an interview. <ul style="list-style-type: none"> ▪ The interview will be conducted by the examiner, and if the examiner does not have negotiation authority, a primary examiner and/or supervisory patent examiner will also participate. ▪ If the applicant declines the interview, or if the interview cannot be scheduled within ten (10) calendar days from the date that the examiner first contacts the applicant, then the examiner will proceed consistent with current practice concerning responses after final rejection under 37 CFR 1.116. 		
Signature /Marco J. Gatti/	Date 2015-03-19	
Name (Print/Typed) Marco J. Gatti	Practitioner Registration No. 70,959	
<p>Note: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.</p>		
☒ * Total of <u>one</u> forms are submitted.		

Electronic Patent Application Fee Transmittal				
Application Number:		13839717		
Filing Date:		15-Mar-2013		
Title of Invention:		SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES		
First Named Inventor/Applicant Name:		Christopher Joseph Demeniuk		
Filer:		Marco J. Gatti/Susan Olson		
Attorney Docket Number:		83355966		
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Request for Continued Examination	1801	1	1200	1200
Total in USD (\$)				1200

Electronic Acknowledgement Receipt

EFS ID:	21810790
Application Number:	13839717
International Application Number:	
Confirmation Number:	3389
Title of Invention:	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES
First Named Inventor/Applicant Name:	Christopher Joseph Demeniuk
Customer Number:	28395
Filer:	Marco J. Gatti/Susan Olson
Filer Authorized By:	Marco J. Gatti
Attorney Docket Number:	83355966
Receipt Date:	19-MAR-2015
Filing Date:	15-MAR-2013
Time Stamp:	10:08:06
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 1200
RAM confirmation Number	10282
Deposit Account	061510
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 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	Request for Continued Examination (RCE)	sb0030e_fill.pdf	797753	no	3
			0068c073f7ed5ba04a7cf7671199dfd2800b067		

Warnings:**Information:**

2		Amendment.pdf	42338	yes	6
			6a1d610765b9b6c2c03ffa8e1c6464239649119b		

Multipart Description/PDF files in .zip description

	Document Description	Start	End
	Amendment Submitted/Entered with Filing of CPA/RCE	1	1
	Claims	2	4
	Applicant Arguments/Remarks Made in an Amendment	5	6

Warnings:**Information:**

3	After Final Consideration Program Request	sb0434.pdf	98369	no	1
			93ad5a25a9c299a4460d95cd495c44e479285035		

Warnings:**Information:**

4	Fee Worksheet (SB06)	fee-info.pdf	30803	no	2
			eaed8390b963fe87532f9d1601ac145af276f40e		

Warnings:**Information:**

Total Files Size (in bytes):	969263
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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.

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

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 application of:

Christopher Joseph DEMENIUK et al.

Serial No.: 13/839,717

Filed: March 15, 2013

For: SYSTEM AND METHOD OF DETERMINING OCCUPANT
LOCATION USING CONNECTED DEVICES

Attorney Docket No.: 83355966

Group Art Unit: 3668

Examiner: Courtney D. Heinle

**AMENDMENT FILED WITH RCE
UNDER 37 C.F.R. § 1.114**

Mail Stop RCE
Commissioner for Patents
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Commissioner:

This is an Amendment filed with a Request for Continued Examination in response to the Final Office Action dated December 22, 2014, kindly amend the above-identified application as follows:

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A non-transitory computer readable storage medium, storing instructions that, when executed by a processor, program the processor to:

establish through a single infotainment system a communication connection with at least one of a plurality of computing devices within a vehicle;

determine if the at least one of a plurality of computing devices is a driver or non-driver computing device based on a detected location of the communication connection;

if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and

if it is determined that the at least one of a plurality of computing devices is a driver computing device, ~~limit infotainment~~ enable a reduced amount of control as compared to the non-driver computing device to adjust current infotainment settings for the vehicle from the driver computing device.

2. (Original) The computer readable storage medium of claim 1 wherein the detected location of the communication connection is established at a seat.

3. (Original) The computer readable storage medium of claim 2 wherein the seat includes at least one vehicle seat sensor.

4. (Original) The computer readable storage medium of claim 2 wherein the seat includes a physical connection port.

5. (Original) The computer readable storage medium of claim 2 wherein the seat includes a wireless transceiver.

6. (Original) The computer readable storage medium of claim 5 wherein the wireless transceiver is BLUETOOTH technology.

7. (Original) The computer readable storage medium of claim 2 wherein the seat includes communication with an in-vehicle camera system.

8. (Previously Presented) The computer readable storage medium of claim 1 additionally storing instructions to receive driver input limiting the control to adjust settings for the vehicle from the non-driver computing device.

9. (Currently Amended) A vehicle computing system comprising:
one or more processors programmed to:
establish through a single infotainment system a communication connection with at least one of a plurality of computing devices within a vehicle;
determine if the at least one of a plurality of computing devices is a driver or non-driver computing device based on the communication connection;
if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and
if it is determined that the at least one of a plurality of computing devices is a driver computing device, ~~limit infotainment~~ enable a reduced amount of control as compared to the non-driver computing device to adjust current infotainment settings for the vehicle from the driver computing device.

10. (Original) The vehicle computing system of claim 9 wherein the detected location of the communication connection is established at a seat.

11. (Original) The vehicle computing system of claim 10 wherein seat includes a physical connection port.

12. (Original) The vehicle computing system of claim 10 wherein seat includes a vehicle seat wireless transceiver.

13. (Original) The vehicle computing system of claim 12 wherein the wireless transceiver is BLUETOOTH technology.

14. (Original) The vehicle computing system of claim 10 wherein the seat includes at least one vehicle seat sensor.

15. (Previously Presented) The vehicle computing system of claim 9 wherein the one or more processors are additionally programmed to allow a driver to limit infotainment control from the non-driver computing.

16. (Currently Amended) A ~~computer implemented method for providing remote infotainment control using one or more computing devices, comprising:~~
establishing through a single infotainment system a communication connection with ~~the one or more~~ at least one of a plurality of computing devices within a vehicle;
~~determining, via a vehicle computing system, a location of the communication connection; and enabling control to adjust current infotainment settings for the vehicle in response to if the~~ a determination that a detected location of the communication connection is a non-driver location in the vehicle; and
enabling a restricted control as compared to a non-driver computing device to adjust infotainment settings based on the detected location being a driver location.

17. (Original) The method of claim 16 wherein the location of the communication connection includes using one or more seat inputs.

18. (Original) The method of claim 17 wherein the one or more seat inputs includes a wireless transceiver.

19. (Original) The method of claim 17 wherein the one or more seat inputs includes at least one passenger detection sensor.

20. (Original) The method of claim 17 wherein the one or more seat inputs includes a physical connection port address.

Remarks

Applicant kindly thanks the Examiner for his time and consideration in conducting the recent telephonic interview on February 27, 2015. Applicant found the interview to be constructive and helpful to furthering prosecution. In accordance with the discussions held in the interview, Applicant has elected to file a Request for Continued Examination (RCE) in order to continue prosecution of the application. For at least the reasons presented herein, all claims are believed to be in condition for allowance. Favorable reconsideration and allowance are respectfully requested.

Claim Rejections – 35 USC § 103

Claims 1-20 were rejected under pre-AIA 35 U.S.C. §103(a) as being unpatentable over Divine et al. (US 2013/0030645), in view of Chien (US 2013/0274997). The Examiner acknowledged that the amendments appear to overcome the cited prior art as stated in the Advisory Action dated March 10, 2015.

Conclusion

Applicant has made a genuine effort to respond to each of the Examiner's objections and rejections in advancing the prosecution of this case. Applicant believes that all formal and substantive requirements for patentability have been met and that this case is in condition for allowance, which action is respectfully requested. If any additional issues need to be resolved, the Examiner is invited to contact the undersigned at his/her earliest convenience.

Please charge any fees or credit any overpayments as a result of the filing of this paper to our Deposit Account No. 06-1510.

Respectfully submitted,

Christopher Joseph DEMENIUK et al.

By: /Marco J. Gatti/

Marco J. Gatti

Reg. No. 70,959

Attorney for Applicant

Date: March 19, 2015

BROOKS KUSHMAN P.C.

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Electronic Acknowledgement Receipt

EFS ID:	21822224
Application Number:	13839717
International Application Number:	
Confirmation Number:	3389
Title of Invention:	SYSTEM AND METHOD OF DETERMINING OCCUPANT LOCATION USING CONNECTED DEVICES
First Named Inventor/Applicant Name:	Christopher Joseph Demeniuk
Customer Number:	28395
Filer:	Marco J. Gatti/Susan Olson
Filer Authorized By:	Marco J. Gatti
Attorney Docket Number:	83355966
Receipt Date:	19-MAR-2015
Filing Date:	15-MAR-2013
Time Stamp:	15:26:57
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		RCE_Amendment.pdf	43735 3845d6929d2ddc5c0d1bdb8af42ff473e7a bb02d	yes	7

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Amendment Submitted/Entered with Filing of CPA/RCE	1	1
	Claims	2	5
	Applicant Arguments/Remarks Made in an Amendment	6	7
Warnings:			
Information:			
Total Files Size (in bytes):		43735	
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>			

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/839,717	Filing Date 03/15/2013	☐ To be Mailed
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ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO**APPLICATION AS FILED – PART I**

(Column 1)

(Column 2)

FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X \$ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	03/19/2015	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X \$80 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X \$420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
TOTAL ADD'L FEE						0	

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X \$ =
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =
	☐ Application Size Fee (37 CFR 1.16(s))					
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
TOTAL ADD'L FEE						

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/URSULA BENTON/

This collection of information is required by 37 CFR 1.16. 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 12 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: 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.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/839,717	03/15/2013	Christopher Joseph Demeniuk	83355966	3389

28395 7590 04/10/2015
BROOKS KUSHMAN P.C./FGTL
1000 TOWN CENTER
22ND FLOOR
SOUTHFIELD, MI 48075-1238

EXAMINER

HEINLE, COURTNEY D

ART UNIT	PAPER NUMBER
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3668

NOTIFICATION DATE	DELIVERY MODE
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04/10/2015

ELECTRONIC

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.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docketing@brookskushman.com

Office Action Summary	Application No. 13/839,717	Applicant(s) DEMENIUK ET AL.	
	Examiner COURTNEY HEINLE	Art Unit 3668	AIA (First Inventor to File) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03/19/2015.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-20 is/are pending in the application.
5a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1-20 is/are rejected.
- 8) ☐ Claim(s) ____ is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some** c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|--|
| 1) ☒ Notice of References Cited (PTO-892) | 3) ☒ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date ____. | 4) ☒ Other: <u>PTO-2323</u> . |

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 19 March 2015 has been entered.

Status of Claims

3. This action is in response to the applicant's filing on 19 March 2015. Claims **1-20** are pending and examined below.

Response to Arguments

4. Applicant's amendments filed 19 March 2015 regarding the 35 USC § 103 rejection of claims **1-20** have been fully considered but are moot because the arguments do not apply to the references being used in the current rejection.

Claim Rejections - 35 USC § 103

5. The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims **1-20** are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Chien, U.S. Patent Application Publication No. 2013/0274997, in view of Bauer et al., U.S. Patent Application Publication No. 2008/0261643, hereinafter Chien and Bauer, respectively.

Regarding claim **1**, Chien discloses a non-transitory computer readable storage medium, storing instructions that, when executed by a processor, program the processor to: *(see at least Fig. 3B, 3C; ¶ [0048] “storage medium 338”; ¶ [0054] “storage medium 358”)*;

- establish through a infotainment system a communication connection with at least one of a plurality of computing devices within a vehicle; *(see at least Fig. 3A; ¶ [0043] “mobile electronic device interacting with an in-vehicle electronic system inside a motor vehicle”)*;
- determine if the at least one of a plurality of computing devices is a driver or non-driver computing device based on a detected location of the communication

connection; (see at least ¶ [0057] “the driver role or the driver in-vehicle electronic system would be imposed with restrictions while in-vehicle electronic system elsewhere would be unrestricted or less restricted”; ¶ [0058] “different roles (i.e. driver, front seat passenger, rear seat passengers) would have different profile settings, and in general the driver would be the most restrictive and rear seat passengers would be the least restrictive”);

- if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment settings for the vehicle from the non-driver computing device; and if it is determined that the at least one of a plurality of computing devices is a driver computing device, enable a reduced amount of control as compared to the non-driver computing device to adjust current infotainment settings for the vehicle from the driver computing device. (see at least ¶ [0067]; ¶ [0066] “the in-vehicle electronic system would restrict the transmission and reception of data with the mobile electronic device if the role of in-vehicle electronic system is the driver in-vehicle electronic system and the in-vehicle electronic system would not restrict the transmission and reception of data with the in-vehicle electronic system if the in-vehicle electronic system were the passenger in-vehicle electronic system. The driver in-vehicle electronic system may restrict access by restricting the data transmission in the audio/voice interface 323 and the data transmission in the display interface 321. For instance, the In-vehicle electronic system may utilizes its own processor & controller circuit 351 to block the transmission of phone calls,

Art Unit: 3668

music, and movies from the mobile electronic device as well as filtering out text messages except for incoming phone calls”; ¶ [0003] “These features could range from basic automotive features such as the climate control, radio station tuning, music player control, to more non-basic features such as telephone functions, text messaging, internet surfing, GPS navigational system, satellite radio, rear view camera activation, night vision assistance, gaming systems, television services, and so forth. The in-vehicle electronic system may in fact be used to control and display almost everything on the vehicle including even features which are traditionally operated by buttons or switches external to the in-vehicle electronic system such as controls for seat adjustments or sun roofs.”).

Chien fails to disclose a single infotainment system.

Bauer discloses a single infotainment system (*see at least Abstract “[a]n infotainment/telematics system”*).

It would have been obvious to a person of ordinary skill in the art at the time of Applicant's invention to modify the infotainment system as disclosed in Chien to include a single infotainment system as taught by Bauer, in order to reduce the cost of installing multiple infotainment systems.

Regarding claim **2**, Chien discloses the detected location of the communication connection is established at a seat. (*see at least Fig. 2; ¶¶ [0042]-[0043] “In addition to an in-vehicle electronic systems 201 being accessible to a front row driver and situated next to a steering wheel, there could also be an in-vehicle electronic systems 202 in the*

Art Unit: 3668

front row passenger side, an in-vehicle electronic systems 203 in the backseat of the driver's side, or an in-vehicle electronic systems 204 in the backseat of the non-driver's side . . . the mobile electronic device 301 is connected to the in-vehicle electronic system 302, the in-vehicle electronic system 302 would be switched to a remote viewing mode and would interact with the mobile electronic device 301 through an electrical hardware interface which may include a display interface 321, a control interface 322, and an audio/voice interface 323"; ¶ [0058] "different roles (i.e. driver, front seat passenger, rear seat passengers) would have different profile settings, and in general the driver would be the most restrictive and rear seat passengers would be the least restrictive").

Regarding claim **3**, Chien discloses the seat includes at least one vehicle seat sensor. (see at least Fig. 2; ¶¶ [0042]-[0043] *"In addition to an in-vehicle electronic systems 201 being accessible to a front row driver and situated next to a steering wheel, there could also be an in-vehicle electronic systems 202 in the front row passenger side, an in-vehicle electronic systems 203 in the backseat of the driver's side, or an in-vehicle electronic systems 204 in the backseat of the non-driver's side . . . the mobile electronic device 301 is connected to the in-vehicle electronic system 302, the in-vehicle electronic system 302 would be switched to a remote viewing mode and would interact with the mobile electronic device 301 through an electrical hardware interface which may include a display interface 321, a control interface 322, and an audio/voice interface 323"; ¶ [0058] "different roles (i.e. driver, front seat passenger,*

Art Unit: 3668

rear seat passengers) would have different profile settings, and in general the driver would be the most restrictive and rear seat passengers would be the least restrictive”).

Regarding claim **4**, Chien discloses the seat includes a physical connection port. *(see at least ¶ [0052] “USB”).*

Regarding claim **5**, Chien discloses the seat includes a wireless transceiver. *(see at least ¶ [0052] “Bluetooth”).*

Regarding claim **6**, Chien discloses the wireless transceiver is BLUETOOTH technology. *(see at least ¶ [0052] “Bluetooth”).*

Regarding claim **7**, Chien discloses the seat includes communication with an in-vehicle camera system. *(see at least ¶ [0003] “rear view camera”).*

Regarding claim **8**, Chien discloses receive driver input limiting the control to adjust settings for the vehicle from the non-driver computing device. *(see at least ¶ [0068] “In one of the exemplary embodiments, the non-driver role may further includes a non-caller role such that a user may access entertainment features of the in-vehicle electronic system but would not be allowed to utilize communication related functions. For example, if the in-vehicle electronic system were meant to be operated by children, the profile setting of the in-vehicle electronic system could configure a restricted*

Art Unit: 3668

passenger role which restrict the passenger in-vehicle electronic system but in a different way relative to the driver in-vehicle electronic system. In this case, the restricted passenger role of the in-vehicle electronic system could not access communication functions such as phone calls, emails, messages but could otherwise have full access to all other functions.”).

Regarding claim **9**, Chien discloses a vehicle computing system comprising: one or more processors programmed to: *(see at least Abstract)*;

- establish through a infotainment system a communication connection with at least one of a plurality of computing devices within a vehicle; *(see at least Fig. 3A; ¶ [0043] “mobile electronic device interacting with an in-vehicle electronic system inside a motor vehicle”);*
- determine if the at least one of a plurality of computing devices is a driver or non-driver computing device based on the communication connection; *(see at least ¶ [0057] “the driver role or the driver in-vehicle electronic system would be imposed with restrictions while in-vehicle electronic system elsewhere would be unrestricted or less restricted”; ¶ [0058] “different roles (i.e. driver, front seat passenger, rear seat passengers) would have different profile settings, and in general the driver would be the most restrictive and rear seat passengers would be the least restrictive”);*
- if it is determined that the at least one of a plurality of computing devices is a non-driver computing device, enable control to adjust current infotainment

Art Unit: 3668

settings for the vehicle from the non-driver computing device; and if it is determined that the at least one of a plurality of computing devices is a driver computing device, enable a reduced amount of control as compared to the non-driver computing device to adjust current infotainment settings for the vehicle from the driver computing device. (see at least ¶ [0067]; ¶ [0066] “the in-vehicle electronic system would restrict the transmission and reception of data with the mobile electronic device if the role of in-vehicle electronic system is the driver in-vehicle electronic system and the in-vehicle electronic system would not restrict the transmission and reception of data with the in-vehicle electronic system if the in-vehicle electronic system were the passenger in-vehicle electronic system. The driver in-vehicle electronic system may restrict access by restricting the data transmission in the audio/voice interface 323 and the data transmission in the display interface 321. For instance, the In-vehicle electronic system may utilizes its own processor & controller circuit 351 to block the transmission of phone calls, music, and movies from the mobile electronic device as well as filtering out text messages except for incoming phone calls”; ¶ [0003] “These features could range from basic automotive features such as the climate control, radio station tuning, music player control, to more non-basic features such as telephone functions, text messaging, internet surfing, GPS navigational system, satellite radio, rear view camera activation, night vision assistance, gaming systems, television services, and so forth. The in-vehicle electronic system may in fact be used to control and display almost everything on the vehicle including even

features which are traditionally operated by buttons or switches external to the in-vehicle electronic system such as controls for seat adjustments or sun roofs.”).

Chien fails to disclose a single infotainment system.

Bauer discloses a single infotainment system (*see at least Abstract “[a]n infotainment/telematics system”*).

It would have been obvious to a person of ordinary skill in the art at the time of Applicant's invention to modify the infotainment system as disclosed in Chien to include a single infotainment system as taught by Bauer, in order to reduce the cost of installing multiple infotainment systems.

Regarding claim **10**, Chien discloses the detected location of the communication connection is established at a seat. (*see at least Fig. 2; ¶¶ [0042]-[0043] “In addition to an in-vehicle electronic systems 201 being accessible to a front row driver and situated next to a steering wheel, there could also be an in-vehicle electronic systems 202 in the front row passenger side, an in-vehicle electronic systems 203 in the backseat of the driver's side, or an in-vehicle electronic systems 204 in the backseat of the non-driver's side . . . the mobile electronic device 301 is connected to the in-vehicle electronic system 302, the in-vehicle electronic system 302 would be switched to a remote viewing mode and would interact with the mobile electronic device 301 through an electrical hardware interface which may include a display interface 321, a control interface 322, and an audio/voice interface 323”; ¶ [0058] “different roles (i.e. driver, front seat passenger, rear seat passengers) would have different profile settings, and in general*

Art Unit: 3668

the driver would be the most restrictive and rear seat passengers would be the least restrictive”).

Regarding claim **11**, Chien discloses seat includes a physical connection port.
(see at least ¶ [0052] “USB”).

Regarding claim **12**, Chien discloses seat includes a vehicle seat wireless transceiver. (see at least ¶ [0052] “Bluetooth”).

Regarding claim **13**, Chien discloses the wireless transceiver is BLUETOOTH technology. (see at least ¶ [0052] “Bluetooth”).

Regarding claim **14**, Chien discloses the seat includes at least one vehicle seat sensor. (see at least Fig. 2; ¶¶ [0042]-[0043] “In addition to an in-vehicle electronic systems 201 being accessible to a front row driver and situated next to a steering wheel, there could also be an in-vehicle electronic systems 202 in the front row passenger side, an in-vehicle electronic systems 203 in the backseat of the driver's side, or an in-vehicle electronic systems 204 in the backseat of the non-driver's side . . . the mobile electronic device 301 is connected to the in-vehicle electronic system 302, the in-vehicle electronic system 302 would be switched to a remote viewing mode and would interact with the mobile electronic device 301 through an electrical hardware interface which may include a display interface 321, a control interface 322, and an

audio/voice interface 323”; ¶ [0058] “different roles (i.e. driver, front seat passenger, rear seat passengers) would have different profile settings, and in general the driver would be the most restrictive and rear seat passengers would be the least restrictive”).

Regarding claim **15**, Chien discloses the one or more processors are additionally programmed to allow a driver to limit infotainment control from the non-driver computing. *(see at least ¶ [0068] “In one of the exemplary embodiments, the non-driver role may further includes a non-caller role such that a user may access entertainment features of the in-vehicle electronic system but would not be allowed to utilize communication related functions. For example, if the in-vehicle electronic system were meant to be operated by children, the profile setting of the in-vehicle electronic system could configure a restricted passenger role which restrict the passenger in-vehicle electronic system but in a different way relative to the driver in-vehicle electronic system. In this case, the restricted passenger role of the in-vehicle electronic system could not access communication functions such as phone calls, emails, messages but could otherwise have full access to all other functions.”).*

Regarding claim **16**, Chien discloses a method comprising: *(see at least Abstract);*

- establishing through a infotainment system a communication connection with the one or more computing devices within a vehicle; *(see at least Fig. 3A; ¶ [0043]*

Art Unit: 3668

“mobile electronic device interacting with an in-vehicle electronic system inside a motor vehicle”);

- enabling control to adjust infotainment settings for the vehicle in response to a determination that a detected location of the communication connection is a non-driver location; and enabling a restricted control as compared to a non-driver computing device to adjust infotainment settings based on the detected location being a driver location. *(see at least ¶ [0067]; ¶ [0066] “the in-vehicle electronic system would restrict the transmission and reception of data with the mobile electronic device if the role of in-vehicle electronic system is the driver in-vehicle electronic system and the in-vehicle electronic system would not restrict the transmission and reception of data with the in-vehicle electronic system if the in-vehicle electronic system were the passenger in-vehicle electronic system. The driver in-vehicle electronic system may restrict access by restricting the data transmission in the audio/voice interface 323 and the data transmission in the display interface 321. For instance, the In-vehicle electronic system may utilizes its own processor & controller circuit 351 to block the transmission of phone calls, music, and movies from the mobile electronic device as well as filtering out text messages except for incoming phone calls”; ¶ [0003] “These features could range from basic automotive features such as the climate control, radio station tuning, music player control, to more non-basic features such as telephone functions, text messaging, internet surfing, GPS navigational system, satellite radio, rear view camera activation, night vision assistance, gaming systems,*

television services, and so forth. The in-vehicle electronic system may in fact be used to control and display almost everything on the vehicle including even features which are traditionally operated by buttons or switches external to the in-vehicle electronic system such as controls for seat adjustments or sun roofs.”).

Chien fails to disclose a single infotainment system.

Bauer discloses a single infotainment system (see at least Abstract “[a]n infotainment/telematics system”).

It would have been obvious to a person of ordinary skill in the art at the time of Applicant's invention to modify the infotainment system as disclosed in Chien to include a single infotainment system as taught by Bauer, in order to reduce the cost of installing multiple infotainment systems.

Regarding claim **17**, Chien discloses the location of the communication connection includes using one or more seat inputs. (see at least Fig. 2; ¶¶ [0042]-[0043] “In addition to an in-vehicle electronic systems 201 being accessible to a front row driver and situated next to a steering wheel, there could also be an in-vehicle electronic systems 202 in the front row passenger side, an in-vehicle electronic systems 203 in the backseat of the driver's side, or an in-vehicle electronic systems 204 in the backseat of the non-driver's side . . . the mobile electronic device 301 is connected to the in-vehicle electronic system 302, the in-vehicle electronic system 302 would be switched to a remote viewing mode and would interact with the mobile electronic device 301 through an electrical hardware interface which may include a display interface 321, a control

Art Unit: 3668

interface 322, and an audio/voice interface 323”; ¶ [0058] “different roles (i.e. driver, front seat passenger, rear seat passengers) would have different profile settings, and in general the driver would be the most restrictive and rear seat passengers would be the least restrictive”).

Regarding claim **18**, Chien discloses the one or more seat inputs includes a wireless transceiver. (see at least ¶ [0052] “Bluetooth”).

Regarding claim **19**, Chien discloses the one or more seat inputs includes at least one passenger detection sensor. (see at least Fig. 2; ¶¶ [0042]-[0043] “In addition to an in-vehicle electronic systems 201 being accessible to a front row driver and situated next to a steering wheel, there could also be an in-vehicle electronic systems 202 in the front row passenger side, an in-vehicle electronic systems 203 in the backseat of the driver's side, or an in-vehicle electronic systems 204 in the backseat of the non-driver's side . . . the mobile electronic device 301 is connected to the in-vehicle electronic system 302, the in-vehicle electronic system 302 would be switched to a remote viewing mode and would interact with the mobile electronic device 301 through an electrical hardware interface which may include a display interface 321, a control interface 322, and an audio/voice interface 323”; ¶ [0058] “different roles (i.e. driver, front seat passenger, rear seat passengers) would have different profile settings, and in general the driver would be the most restrictive and rear seat passengers would be the least restrictive”).

Regarding claim **20**, Chien discloses the one or more seat inputs includes a physical connection port address. (*see at least ¶ [0052] "USB"*).

Although Chien fails to explicitly disclose a port address, using such means for identifying the location of a physical connection port in a vehicle would have been an obvious matter of design choice within the skill of the art, since use of claimed feature solves no stated problem and presents no unexpected result.

Conclusion

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Courtney Heinle whose telephone number is (571) 270-3508. The examiner can normally be reached on Monday-Thursday (8:30am-7:00pm).

Art Unit: 3668

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fadey Jabr, can be reached at (571) 272-1516. The fax number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866) 217-9197. If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call (800) 786-9199 (US or Canada) or (571) 272-1000.

/C. H./

Examiner, Art Unit 3668

/FADEY JABR/

Supervisory Patent Examiner, Art Unit 3668

Notice of References Cited	Application/Control No. 13/839,717	Applicant(s)/Patent Under Reexamination DEMENIUK ET AL.	
	Examiner COURTNEY HEINLE	Art Unit 3668	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2008/0261643 A1	10-2008	Bauer et al.	455/517
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<i>Index of Claims</i> 	Application/Control No. 13839717	Applicant(s)/Patent Under Reexamination DEMENIUK ET AL.
	Examiner COURTNEY HEINLE	Art Unit 3668

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

☐ Claims renumbered in the same order as presented by applicant					☐ CPA					☐ T.D.					☐ R.1.47				
CLAIM		DATE																	
Final	Original	08/10/2014	12/12/2014	04/05/2015															
	1	✓	✓	✓															
	2	✓	✓	✓															
	3	✓	✓	✓															
	4	✓	✓	✓															
	5	✓	✓	✓															
	6	✓	✓	✓															
	7	✓	✓	✓															
	8	✓	✓	✓															
	9	✓	✓	✓															
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	14	✓	✓	✓															
	15	✓	✓	✓															
	16	✓	✓	✓															
	17	✓	✓	✓															
	18	✓	✓	✓															
	19	✓	✓	✓															
	20	✓	✓	✓															

Search Notes 	Application/Control No. 13839717	Applicant(s)/Patent Under Reexamination DEMENIUK ET AL.
	Examiner COURTNEY HEINLE	Art Unit 3668

CPC- SEARCHED		
Symbol	Date	Examiner
H04M1/6075-6091	08/11/2014	CH
H04L67/12	08/11/2014	CH
H04L2012/40273	08/11/2014	CH
B60K2350/35-357	08/11/2014	CH

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
701	2	08/11/2014	CH

SEARCH NOTES		
Search Notes	Date	Examiner
See attached EAST search history	08/11/2014	CH
Google	08/11/2014	CH
See attached EAST search history	12/12/2014	CH
See attached EAST search history	04/05/2015	CH

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/C.H./ Examiner.Art Unit 3668	
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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID. OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2013/11/27 10:24
S2	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2013/11/27 11:36
S3	2	S2 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:39
S4	26	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:41
S5	0	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:43
S6	0	S4 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:43
S7	1	S4 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:43
S8	0	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:44
S9	20	(offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:45

S10	14692	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:47
S11	310	S10 and infotainment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:47
S12	109	S10 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:56
S13	52	S10 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 11:57
S14	0	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 13:03
S15	1978	701/2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 13:04
S16	14481	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 14:51
S17	1565	S10 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 14:51
S18	48	S17 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 14:53
S19	0	S18 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2013/11/27 15:02

			DERWENT; IBM_TDB			
S20	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 17:10
S21	2	((("20120065815") or ("20110087385")).PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 17:14
S22	2	((("8131458") or ("20090140064")).PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:05
S23	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:30
S24	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:37
S25	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:39
S26	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:42
S27	92	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 18:43
S28	14692	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 18:43
S29	13	S27 and S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 18:44
S30	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2013/11/27 18:48
S31	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2013/11/27 19:19
S32	1	S31 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:20
S33	14	S31 and engine	US-PGPUB; USPAT	OR	ON	2013/11/27 19:21
S34	22	S31 and driver	US-PGPUB; USPAT	OR	ON	2013/11/27 19:22
S35	3	S31 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2013/11/27 19:22
S36	2	S31 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:25
S37	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:26
S38	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2013/11/27 19:26

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S39	8	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 19:26
S40	5	S39 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 19:26
S41	3	S31 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:37
S42	5	S31 and LCD	US-PGPUB; USPAT	OR	ON	2013/11/27 19:39
S43	0	S31 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2013/11/27 19:48
S44	0	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2013/11/27 19:48
S45	12	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2013/11/27 19:48
S46	5	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:10
S47	16	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:20
S48	529	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:23
S49	156	S48 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:23
S50	12	S28 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:24
S51	687	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2013/11/27 22:25

			EPO; JPO; DERWENT; IBM_TDB			
S52	20	S51 and S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/11/27 22:25
S53	11	US-7026957-\$.DID. OR US-7266435-\$.DID. OR US-7489786-\$.DID. OR US-8180379-\$.DID. OR US-20040260438-\$.DID. OR US-20070124043-\$.DID. OR US-20090075624-\$.DID. OR US-20120079002-\$.DID. OR US-20060138308-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2014/01/26 13:30
S54	9	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$).did.	US-PGPUB; USPAT	OR	ON	2014/01/26 13:30
S55	2	S54 and climate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S56	28	offline with configur\$3 with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S57	0	offline with configur\$3 with vehicle with ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S58	0	S56 and ((mobile or nomadic) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S59	1	S56 and ((mobile or nomadic or handheld) adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S60	0	offline with configur\$3 with vehicle with (mobile or nomadic or handheld or portable) with device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30
S61	21	(offline with configur\$3 with vehicle) and ((mobile or nomadic or handheld or portable) with device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26 13:30

S62	16745	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S63	340	S62 and infotainment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S64	116	S62 and (infotainment same (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S65	54	S62 and (infotainment with (configuration or configur\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S66	0	demeniuk.in. and christopher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S67	2117	701/2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S68	16083	((mobile or nomadic or handheld or portable) with device) with driver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S69	1722	S62 and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S70	49	S69 and (((mobile or nomadic or handheld or portable) with device) with (configuration or configur\$3) with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S71	0	S70 and (offline or off-line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2014/01/26; 13:30

			DERWENT; IBM_TDB			
S72	1	("20130066518").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S73	2	((("20120065815") or ("20110087385")).PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S74	2	((("8131458") or ("20090140064")).PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S75	1	("20080261643").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S76	0	("20050627438").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S77	1	("20050027438").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S78	0	("(configureorconfiguration)withvehiclewithdisplaywithsettings").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S79	101	(configure or configuration) with vehicle with display with settings	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S80	16745	((mobile or nomadic or handheld or portable) with device) with communication with vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S81	14	S79 and S80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S82	1	("20130151031").PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 13:30
S83	27	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S84	1	S83 and ((configuration or configur\$3) with instrument with panel)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S85	14	S83 and engine	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S86	22	S83 and driver	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S87	3	S83 and (driver with (identify\$3 or identified or recogniz\$3))	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S88	2	S83 and (engine with performance)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S89	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S90	0	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/01/26; 13:30

			EPO; JPO; DERWENT; IBM_TDB			
S91	8	(configuration or configur\$3) with display with (engine adj performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S92	5	S91 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S93	3	S83 and (ambient adj light\$3)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S94	5	S83 and LCD	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S95	0	S83 and (LCD adj touchscreen)	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S96	0	(LCD adj touchscreen) with vehicle with display	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S97	12	(LCD adj touchscreen) with vehicle	US-PGPUB; USPAT	OR	ON	2014/01/26; 13:30
S98	6	(configure or configuration) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S99	16	(configurable or setting) with vehicle with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S100	548	(configure or configuration configurable or setting) with (ambient adj lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S101	159	S100 and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S102	12	S80 and S101	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S103	714	(configure or configuration configurable or setting) with ((ambient or interior) adj lighting)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/01/26; 13:30

			EPO; JPO; DERWENT; IBM_TDB			
S104	20	S103 and S80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 13:30
S105	5	((("20110087385") or ("20130030645") or ("20110166748") or ("20130274997") or ("20120115446"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/01/26; 14:46
S106	1	S105 and playlist	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/01/26; 14:48
S107	31	(US-20120079002-\$ or US-20090075624-\$ or US-20070124043-\$ or US-20060138308-\$ or US-20040260438-\$ or US-20130301584-\$ or US-20130151064-\$ or US-20130117021-\$ or US-20130030645-\$ or US-20120143404-\$ or US-20120030512-\$ or US-20110196711-\$ or US-20120106446-\$ or US-20130274997-\$ or US-20130151111-\$ or US-20130066518-\$ or US-20120065815-\$ or US-20110087385-\$ or US-20080261643-\$ or US-20050027438-\$ or US-20130151031-\$ or US-20110166748-\$ or US-20090009983-\$ or US-20130145360-\$ or US-20120115446-\$ or US-20110034128-\$).did. or (US-8180379-\$ or US-7489786-\$ or US-7266435-\$ or US-7026957-\$ or US-8571571-\$).did.	US-PGPUB; USPAT	OR	ON	2014/01/26; 15:31
S108	1123166	(plurality or plural or multiple or two or many) with (handheld or mobile or computer or computing or phone)	US-PGPUB; USPAT	OR	ON	2014/01/26; 15:32
S109	15	S107 and S108	US-PGPUB; USPAT	OR	ON	2014/01/26; 15:34
S110	2	S107 and (share with (content or media or file or playlist))	US-PGPUB; USPAT	OR	ON	2014/01/26; 15:43
S111	13	S107 and priority	US-PGPUB; USPAT	OR	ON	2014/01/26; 15:46
S112	25	S107 and navigation	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:05
S113	0	S107 and (point adj of adj interest)	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:07
S114	18	S107 and destination	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:07
S115	4	S107 and (driver with navigation)	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:26
S116	0	S107 and ((point adj of adj interest) or (points adj of adj interest))	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:27
S117	1	S107 and POI	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:27
S118	12	S107 and (lock or locked)	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:41
S119	4	S107 and ((lock or locked or prevent or disable or disabled) with (destination or navigation))	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:53
S120	13	S107 and (safe or safety)	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:56
S121	1	S107 and (prevent with driver)	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:57
S122	1	S107 and ((restrict or disable) with driver)	US-PGPUB; USPAT	OR	ON	2014/01/26; 16:58
S123	8	((("20120094657") or ("20060265117") or ("20080200209") or ("20120197523") or ("20140106712") or ("8527013") or ("8670897") or ("20100037057"))).PN.	US-PGPUB; USPAT	OR	OFF	2014/05/27; 09:49