United States Patent and Trademark Office

Office of the Chief Financial Officer

April 29, 2024

DAVIDSON KAPPEL
Attn: CLINT R. MEHALL
587 EIGHTH AVE, 22nd FLOOR
NEW YORK, NY 10018

Dear Sir/Madam,

The United States Patent and Trademark Office (USPTO) has reviewed your refund request for Reference Number **17863208** - Refund Request ID **REFND-20240416-51304**. Below is the current status of your refund request assigned to the following processing area: Office of Patent Examination Support Services

Fee code	Decision	Decision Reason(s)	Refund Amount
1202	Dismissed	A change of purpose after payment of a fee will not entitle a party to a refund of such fee (37 CFR 1.26(a))	$0.00

Please refer to the following page to review the detailed dismissal reason(s).

You will receive a separate decision letter for any additional fee codes assigned to other processing areas, if applicable. Decisions may be subject to change if an error is identified.

For questions related to this decision, contact the Case Resolution Team at (571) 272-1720 or case.resolution@USPTO.GOV.

Thank you,
Refund Branch

Enclosure: Refund Dismissal Reason(s)

Refund Dismissal Reason(s) for fee code 1202:

- A change of purpose after payment of a fee will not entitle a party to a refund of such fee (37 CFR 1.26(a)). When an applicant or patentee takes an action "by mistake" (e.g., maintains a patent in force "by mistake"), the submission of fees required to take that action (e.g., a maintenance fee submitted for such patent) is not a "fee paid by mistake" within the meaning of 35 U.S.C. 42(d) (MPEP 607.02).

PTO-2326 (11-2023)
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

REQUEST FOR REFUND

Reference # *(Patent #, Application #, Trademark Serial #, Registration #, etc.)*	**Title of Invention or Mark Information**	
17/863,208	Exclusive Delivery of Content Within Geographic Areas	
Attorney Docket # *(if applicable)*	**Payment Date** *(mm/dd/yyyy)*	**Refund Request Amount**
971600.1001	01/17/2024	$ 21,600.00

Refund Option *(Select one)*

- (●) If approved, issue the refund to the account associated with the original payment.
- ( ) If approved, and the original payment was a check, issue the refund to deposit account # _____.
- ( ) If approved, and the original payment was a check, issue the refund as a U.S. Treasury check.

Reason for Refund Request *Refund requests must generally be filed within 2 years of payment date (37 CFR 1.26 and 2.209)*

- [ ] Duplicate Payment
- [x] No Fee Due
- [ ] Office Error
- [ ] Other:
- [ ] Small Entity Later Established*

**(Must be filed within 3 months of payment date, 37 CFR 1.28. There is no refund when micro entity is later established.)*

Rationale *(Supporting documentation may be submitted with this form)*

Request for fees paid in excess of that required under 37 CFR 1.26(a. Applicant has not changed purpose after payment of fee. On 1/17/2024, new claims were sought, and $27,300 was paid (273 excess claims @ $100/claim). See PaymentID E2024G138286706. However, THE EXAMINER DECIDED to only enter 54 claims, and for the remaining claims Applicant paid, the EXAMINER DID NOT TAKE ANY ACTION FOR WHICH FEES WOULD BE DUE. See 2/26/2024 Examiner's Response to Amendment under Rule 312. Thus, a refund of $21,900 for 219 claims (273-54=219) paid in excess of that required is respectfully requested.

Requester's Information

Company or Firm Name *(if applicable)*		
Davidson Kappel		
Address Line 1	**City**	**State/Region**
587 Eighth Ave, 22nd Floor	New York	NY
Address Line 2 *(if applicable)*	**Country**	**Zip/Postal Code**
	US	10018
Email Address *(You will receive an acknowledgment of receipt only if you provide a valid email address)*	**Phone Number**	
cmehall@davidsonkappel.com	212-736-2663	
Requester's Name		**Registration Number** *(if applicable)*
Clint R. Mehall		62,380
Signature		**Date** *(mm/dd/yyyy)*
/Clint R. Mehall/		04/15/2024

Submit online (Patents customers only): USPTO patent electronic filing system (Patent Center), or
Fax to: 571-273-6500, or
Mail to: Mail Stop 16, Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/863,208	07/12/2022	Ryan Hardin	971600.1001	2712

23280 7590 02/26/2024

Davidson, Davidson & Kappel, LLC
589 8th Avenue
22nd Floor
New York, NY 10018

EXAMINER	
AJIBADE AKONAI, OLUMIDE	

ART UNIT	PAPER NUMBER
3648	

NOTIFICATION DATE	DELIVERY MODE
02/26/2024	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):

ddk@ddkpatent.com

Corrected ***Notice of Allowability***	**Application No.** 17/863,208	**Applicant(s)** Hardin et al.	
	Examiner OLUMIDE T AJIBADE AKONAI	**Art Unit** 3648	**AIA (FITF) Status** No

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 01/17/2024.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ 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.

3. ☑ The allowed claim(s) is/are 1-5,7,9-14,16-26,29-30,32-44,48,52-53,57-93,100-101 and 105-108 . As a result of the allowed claim(s), 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.**

4. ☐ 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)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☐ Examiner's Statement of Reasons for Allowance
7. ☑ Other PTO 271.

/OLUMIDE AJIBADE AKONAI/
Primary Examiner, Art Unit 3648

Response to Rule 312 Communication	Application No.	Applicant(s)	
	17/863,208	Hardin et al.	
	Examiner	Art Unit	AIA (FITF) Status
	OLUMIDE T AJIBADE AKONAI	3648	No

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

1. ☑ The amendment filed on 17 January 2024 under 37 CFR 1.312 has been considered, and has been:

a) ☐ entered.

b) ☐ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☑ entered in part. See explanation below.

f) ☐ not entered because the supplemental or corrected Application Data sheet (ADS)

☐ was not accompanied by a petition to accept an unintentionally delayed claim under 37 CFR 1.55 or 27 CFR 1.78;

☐ did not identify the information being changed in accordance with 37 CFR 1.76(c)(2);

☐ was not properly signed in accordance with 37 CFR 1.76(e) (or 37 CFR 1.33(b) for applications filed prior to September 16, 2012).

The claims have been entered in part. The amendments that have been entered are amendments to claims 1-5, 7, 8 10-12, 20-25, 27, 28 (claims 8, 27, and 28 are canceled in the current amendment), 29-30, and newly added claims 33-44, 52, 53, 57-93, 100, 101, and 105-108. The amendments not entered are newly added claims 45-47, 49-51, 54-56, 94-99, and 102-104. The amendments that have no been entered have a different scope from the previous claims and require extensive additional examination of the claims to affirm proper dependency of the claims and proper support for such dependencies in the specification, amounting to potentially further consideration/prosecution of the claims.

/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	/VLADIMIR MAGLOIRE/ Supervisory Patent Examiner, Art Unit 3648

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/863,208	**04/15/2024 02:33:48 PM Z ET**	**971600.1001**

Title of Invention

Exclusive Delivery of Content Within Geographic Areas

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	11948171
CONFIRMATION #	2712	FILED BY	Clint Mehall
PATENT CENTER #	65096062	FILING DATE	07/12/2022
CUSTOMER #	23280	FIRST NAMED INVENTOR	Ryan Hardin
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	-

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
9716001001FiledRefundRequest15apr24.pdf	1	Refund Request	744 KB
9716001001CorrectedNoticeAllowability_and_312AmendmentEntered-in-Part26feb2024.pdf	3	Miscellaneous Incoming Letter	199 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)

9716001001FiledRefundRequest15apr24.pdf	16660CD74B9E8AFB815DEDB305BFDDF89FEFE73194BF0C25FBBA59D16702AB85B24AFA18BAC77F68875BA645F2BD6FC60DE14A42880619908AA128D7473701D8
9716001001CorrectedNoticeAllowability_and_312AmendmentEntered-in-Part26feb2024.pdf	46E341E52CCBFF10591AF0F203C52F6135E1C094D76ADE80E2E7F52FB109EEAD7CE3940DCAF5B3CDEB86B8ACAF323C1E79EB38C1EB00D2FA0636E2E036251DAF

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 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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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/863,208	07/12/2022	Ryan Hardin	971600.1001	2712

23280 7590 04/02/2024

Davidson, Davidson & Kappel, LLC
589 8th Avenue
22nd Floor
New York, NY 10018

EXAMINER	
AJIBADE AKONAI, OLUMIDE	

ART UNIT	PAPER NUMBER
3648	

NOTIFICATION DATE	DELIVERY MODE
04/02/2024	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):

ddk@ddkpatent.com

APPLICATION NO.	ISSUE DATE	PATENT NO.
17/863,208	02-Apr-2024	11948171

Davidson, Davidson & Kappel, LLC
589 8th Avenue
New York, NY 10018

EGRANT NOTIFICATION

Your electronic patent grant (eGrant) is now available, which can be accessed via Patent Center at https://patentcenter.uspto.gov

The electronic patent grant is the official patent grant under 35 U.S.C. 153. For more information, please visit https://www.uspto.gov/electronicgrants

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United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/863,208	04/02/2024	11948171	971600.1001	2712

23280 7590 03/13/2024

Davidson, Davidson & Kappel, LLC
589 8th Avenue
22nd Floor
New York, NY 10018

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at https://patentcenter.uspto.gov/. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at https://certifiedcopycenter.uspto.gov/index.html. The Certified Copy Center may be reached at (800)972-6382.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Center (https://patentcenter.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PATENT CENTER site https://patentcenter.uspto.gov for additional inventors):

Ryan Hardin, Henderson, TX;
Andrew Hill, Houston, TX;

APPLICANT(s) (Please see PATENT CENTER site https://patentcenter.uspto.gov for additional applicants):

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 USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

UNITED STATES PATENT AND TRADEMARK OFFICE

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Alexandria, Virginia 22313-1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/863,208	07/12/2022	Ryan Hardin	971600.1001	2712

23280 7590 02/26/2024

Davidson, Davidson & Kappel, LLC
589 8th Avenue
22nd Floor
New York, NY 10018

EXAMINER	
AJIBADE AKONAI, OLUMIDE	

ART UNIT	PAPER NUMBER
3648	

NOTIFICATION DATE	DELIVERY MODE
02/26/2024	ELECTRONIC

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ddk@ddkpatent.com

Corrected ***Notice of Allowability***	**Application No.** 17/863,208	**Applicant(s)** Hardin et al.	
	Examiner OLUMIDE T AJIBADE AKONAI	**Art Unit** 3648	**AIA (FITF) Status** No

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

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   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ 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.

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4. ☐ 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.
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Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☐ Examiner's Statement of Reasons for Allowance
7. ☑ Other PTO 271.

/OLUMIDE AJIBADE AKONAI/
Primary Examiner, Art Unit 3648

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/863,208	Hardin et al.
	Examiner	**Art Unit**
	OLUMIDE T AJIBADE AKONAI	3648

CPC								
Symbol							**Type**	**Version**
G06Q	/	30	/	0261			F	2013-01-01
H04W	/	4	/	029			I	2018-02-01
G06Q	/	30	/	02			I	2013-01-01
H04M	/	3	/	42357			I	2013-01-01
H04W	/	4	/	021			I	2013-01-01
H04W	/	4	/	18			I	2013-01-01
G06Q	/	30	/	0266			I	2013-01-01
G06Q	/	30	/	0267			I	2013-01-01
H04M	/	2242	/	14			A	2013-01-01
H04L	/	67	/	53			A	2022-05-01

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	84	
/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	19 February 2024	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20240219

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/863,208	Hardin et al.
	Examiner	**Art Unit**
	OLUMIDE T AJIBADE AKONAI	3648

INTERNATIONAL CLASSIFICATION				
CLAIMED				
G06Q30/0251	/	30	/	0251
H04W4/029	/	4	/	029
G06Q30/02	/	30	/	02
H04M3/42	/	3	/	42
H04W4/021	/	4	/	021
H04W4/18	/	4	/	18
H04L67/53	/	67	/	53

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	84	
/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	19 February 2024	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20240219

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/863,208	Hardin et al.
	Examiner	**Art Unit**
	OLUMIDE T AJIBADE AKONAI	3648

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	-	15	43	29	12	43	31	57	67	71	54	85	-	99
2	2	25	16	62	30	5	44	28	58	75	72	47	86	72	100
10	3	33	17	-	31	-	45	32	59	76	73	52	87	69	101
14	4	34	18	44	32	-	46	29	60	77	74	56	88	-	102
16	5	35	19	19	33	-	47	45	61	68	75	58	89	-	103
-	6	26	20	3	34	42	48	53	62	78	76	49	90	-	104
17	7	36	21	7	35	-	49	57	63	79	77	51	91	73	105
-	8	37	22	11	36	-	50	59	64	80	78	55	92	70	106
18	9	38	23	4	37	-	51	60	65	81	79	48	93	74	107
20	10	39	24	9	38	30	52	61	66	82	80	-	94	71	108
21	11	40	25	13	39	27	53	63	67	83	81	-	95		
22	12	41	26	15	40	-	54	64	68	84	82	-	96		
24	13	-	27	6	41	-	55	66	69	46	83	-	97		
23	14	-	28	8	42	-	56	65	70	50	84	-	98		

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	84	
/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	19 February 2024	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Response to Rule 312 Communication	Application No.	Applicant(s)	
	17/863,208	Hardin et al.	
	Examiner	Art Unit	AIA (FITF) Status
	OLUMIDE T AJIBADE AKONAI	3648	No

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

1. ☑ The amendment filed on 17 January 2024 under 37 CFR 1.312 has been considered, and has been:

a) ☐ entered.

b) ☐ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☑ entered in part. See explanation below.

f) ☐ not entered because the supplemental or corrected Application Data sheet (ADS)

☐ was not accompanied by a petition to accept an unintentionally delayed claim under 37 CFR 1.55 or 27 CFR 1.78;

☐ did not identify the information being changed in accordance with 37 CFR 1.76(c)(2);

☐ was not properly signed in accordance with 37 CFR 1.76(e) (or 37 CFR 1.33(b) for applications filed prior to September 16, 2012).

The claims have been entered in part. The amendments that have been entered are amendments to claims 1-5, 7, 8 10-12, 20-25, 27, 28 (claims 8, 27, and 28 are canceled in the current amendment), 29-30, and newly added claims 33-44, 52, 53, 57-93, 100, 101, and 105-108. The amendments not entered are newly added claims 45-47, 49-51, 54-56, 94-99, and 102-104. The amendments that have no been entered have a different scope from the previous claims and require extensive additional examination of the claims to affirm proper dependency of the claims and proper support for such dependencies in the specification, amounting to potentially further consideration/prosecution of the claims.

/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	/VLADIMIR MAGLOIRE/ Supervisory Patent Examiner, Art Unit 3648

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ryan Hardin et al.
Application No.: 17/863,208
Filing Date: 12 July 2022
Examiner: Ajibade Akonai, Olumide
Docket No.: 971600.1001
Group Art Unit: 3648
Customer No.: 23280
Title: Exclusive Delivery of Content Within Geographic Areas

AMENDMENT UNDER 37 CFR 1.312 and
Comments on Statement of Reasons for Allowance

Date: 17 January 2024

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

ENTER IN PART: /O.A/
02/19/2024

Dear Examiner:

This is an amendment filed under 37 CFR 1.312 in view of the Notice of Allowability mailed on October 17, 2023 by the United States Patent and Trademark Office ("the Office") regarding the above-identified application ("the Instant Application"). The applicants of the Instant Application ("the Applicants") respectfully request that amendment of the claims, as presented below, be entered in this case.

Amendment to the Claims begin on page 2 of this correspondence;

Remarks begin on page 31 of this correspondence; and

Conclusions begin on page 34 of this correspondence.

United States Patent and Trademark Office

Office of the Chief Financial Officer

February 20, 2024

DAVIDSON DAVIDSON AND KAPPEL
Attn: CLINT MEHALL
587 EIGHTH AVE,
22nd FLOOR
NEW YORK, NY 10018

Dear Sir/Madam,

The United States Patent and Trademark Office (USPTO) has reviewed your refund request for Reference Number **17863208** - Refund Request ID **REFND-20240212-69941**. Below is the current status of your refund request assigned to the following processing area: Office of Patent Examination Support Services

Fee code	Decision	Decision Reason(s)	Refund Amount
1202	Dismissed	A change of purpose after payment of a fee will not entitle a party to a refund of such fee (37 CFR 1.26(a))	$0.00

Please refer to the following page to review the detailed dismissal reason(s).

You will receive a separate decision letter for any additional fee codes assigned to other processing areas, if applicable. Decisions may be subject to change if an error is identified.

For questions related to this decision, contact the Case Resolution Team at (571) 272-1720 or case.resolution@USPTO.GOV.

Thank you,
Refund Branch

Enclosure: Refund Dismissal Reason(s)

Refund Dismissal Reason(s) for fee code 1202:

- A change of purpose after payment of a fee will not entitle a party to a refund of such fee (37 CFR 1.26(a)). When an applicant or patentee takes an action "by mistake" (e.g., maintains a patent in force "by mistake"), the submission of fees required to take that action (e.g., a maintenance fee submitted for such patent) is not a "fee paid by mistake" within the meaning of 35 U.S.C. 42(d) (MPEP 607.02).

PTO-2326 (04-2019)
Approved for use through 03/31/2021. OMB 0651-0043
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 displays a valid OMB control number.

REQUEST FOR REFUND

Reference # *(Patent #, Application #, Trademark Serial #, Registration #, etc.)*	**Title of Invention or Mark Information**	
17/863,208	Exclusive Delivery of Content Within Geographic Areas	
Attorney Docket # *(if applicable)*	**Payment Date** *(mm/dd/yyyy)*	**Refund Request Amount**
971600.1001	01/17/2024	$ 21,600.00

Refund Option *(Select one)*

- (●) If approved, issue the refund to the account associated with the original payment.
- ( ) If approved, and the original payment was a check, issue the refund to deposit account # _____.
- ( ) If approved, and the original payment was a check, issue the refund as a U.S. Treasury check.

Reason for Refund Request *Refund requests must generally be filed within 2 years of payment date (37 CFR 1.26 and 2.209)*

- [ ] Duplicate Payment
- [ ] No Fee Due
- [ ] Office Error
- [ ] Small Entity Later Established* (*must be filed within 3 months of payment date, 37 CFR 1.28)
- [x] Other non-entry of extra claims

Rationale *(Supporting documentation may be submitted with this form)*

With the filing of the 312 amendment, we submitted a payment for $27,300 for newly added claims, including a number multiple dependent claims. Applicants had previously paid for 30 claims, and after partial entry of the claims filed in the 312 amendment, the application has 87 claims (and no multiple dependent claims), and thus only $5,700 is required as payment for the extra claims.

Requester's Information

Company or Firm Name *(if applicable)*		
Davidson, Davidson & Kappel		
Address Line 1	**City**	**State/Region**
587 Eighth Ave, 22nd Floor	New York	NY
Address Line 2 *(if applicable)*	**Country**	**Zip/Postal Code**
	US	10018
Email Address *(You will receive an acknowledgment of receipt only if you provide a valid email address)*	**Phone Number**	
cmehall@ddkpatent.com	212-736-2663	
Requester's Name		**Registration Number** *(if applicable)*
Clint R. Mehall		62,380
Signature		**Date** *(mm/dd/yyyy)*
/Clint R. Mehall		02/08/2024

Submit online: EFS-Web *(registered users only; select "Request for Refund" from the document description menu)*, or
Fax to: 571-273-6500, or
Mail to: Director of the U.S. Patent and Trademark Office, Attn: Refunds, 2051 Jamieson Avenue, Suite 300, Alexandria, VA 22314

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/863,208	**02/08/2024 01:11:09 PM Z ET**	**971600.1001**

Title of Invention

Exclusive Delivery of Content Within Geographic Areas

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	2712	FILED BY	Clint Mehall
PATENT CENTER #	64257894	FILING DATE	07/12/2022
CUSTOMER #	23280	FIRST NAMED INVENTOR	Ryan Hardin
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	-

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
9716001001RefundRequest08feb24.pdf	1	Refund Request	688 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
9716001001RefundRequest08feb24.pdf	F9DBD46E132FE6182E77CF985403CF9348AECFE558680AAD745C6B5B2DF4F424F52D12ABB6469755EB3D61D7439E16DE3D148555BAEBA85BA31E01F9F207CEF6

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 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.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/863,208	07/12/2022	Ryan Hardin	971600.1001	2712

23280 7590 02/08/2024

Davidson, Davidson & Kappel, LLC
589 8th Avenue
22nd Floor
New York, NY 10018

EXAMINER	
AJIBADE AKONAI, OLUMIDE	

ART UNIT	PAPER NUMBER
3648	

NOTIFICATION DATE	DELIVERY MODE
02/08/2024	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):

ddk@ddkpatent.com

Response to Rule 312 Communication	Application No.	Applicant(s)	
	17/863,208	Hardin et al.	
	Examiner	Art Unit	AIA (FITF) Status
	OLUMIDE T AJIBADE AKONAI	3648	No

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

1. ☑ The amendment filed on 17 January 2024 under 37 CFR 1.312 has been considered, and has been:

a) ☐ entered.

b) ☐ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☑ entered in part. See explanation below.

f) ☐ not entered because the supplemental or corrected Application Data sheet (ADS)

☐ was not accompanied by a petition to accept an unintentionally delayed claim under 37 CFR 1.55 or 27 CFR 1.78;

☐ did not identify the information being changed in accordance with 37 CFR 1.76(c)(2);

☐ was not properly signed in accordance with 37 CFR 1.76(e) (or 37 CFR 1.33(b) for applications filed prior to September 16, 2012).

The claims have been entered in part. The amendments that have been entered are amendments to claims 1-5, 7, 10-12, 20-25, 28 (claim 28 is canceled in the current amendment), 29-30, and newly added claims 33-44, 52, 53, 57-93, and 100-108. The amendments not entered are newly added claims 45-47, 49-51, 54-56, and 94-99. The amendments that have no been entered have a different scope from the previous claims and require extensive additional examination of the claims to affirm proper dependency of the claims and proper support for such dependencies in the specification, amounting to potentially further consideration/prosecution of the claims.

/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	/VLADIMIR MAGLOIRE/ Supervisory Patent Examiner, Art Unit 3648

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ryan Hardin et al.
Application No.: 17/863,208
Filing Date: 12 July 2022
Examiner: Ajibade Akonai, Olumide
Docket No.: 971600.1001
Group Art Unit: 3648
Customer No.: 23280
Title: Exclusive Delivery of Content Within Geographic Areas

AMENDMENT UNDER 37 CFR 1.312 and
Comments on Statement of Reasons for Allowance

Date: 17 January 2024

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

The amendments that have been entered are amendments to claims 1-5, 7, 10-12, 20-25, 28 (claim 28 is canceled in the current amendment), 29-30, and newly added claims 33-44, 52, 53, 57-93, and 100-108. The amendments not entered are newly added claims 45-47, 49-51, 54-56, and 94-99.

ENTER IN PART: /O.A/

01/29/2024

Dear Examiner:

This is an amendment filed under 37 CFR 1.312 in view of the Notice of Allowability mailed on October 17, 2023 by the United States Patent and Trademark Office ("the Office") regarding the above-identified application ("the Instant Application"). The applicants of the Instant Application ("the Applicants") respectfully request that amendment of the claims, as presented below, be entered in this case.

Amendment to the Claims begin on page 2 of this correspondence;

Remarks begin on page 31 of this correspondence; and

Conclusions begin on page 34 of this correspondence.

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

Application Number	17863208
Filing Date	2022-07-12
First Named Inventor	Hardin, Ryan
Art Unit	
Examiner Name	
Attorney Docket Number	0075652.00009

Change(s) applied to document, /M.E.G./ 10/24/2023

	20	9400403	B2	07/2016 ~~2015-08-04~~	Hesline ~~Hohlfeld et al.~~	
	21	8943164	B2	2015-01-27	Kies et al.	
	22	9555334	B2	2017-01-31	Bernard et al.	
	23	9148431	B2	2015-09-29	Chmaytelli	
	24	8903407	B2	2014-12-02	Chmaytelli	
	25	8620994	B2	2013-12-31	Boyd et al.	
	26	8020001	B2	2011-09-13	Lundblade et al.	
	27	8014762	B2	2011-09-06	Chmaytelli et al.	
	28	8321680	B2	2012-11-27	Gantman et al.	
	29	7784089	B2	2010-08-24	Lundblade et al.	
	30	9231763	B2	2016-01-05	Lundblade et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /O.A/

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

23280 7590 10/17/2023
Davidson, Davidson & Kappel, LLC
589 8th Avenue
22nd Floor
New York, NY 10018

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
Filed via EFS-Web (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/863,208	07/12/2022	Ryan Hardin	971600.1001	2712

TITLE OF INVENTION: Exclusive Delivery of Content Within Geographic Areas

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	01/17/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
AJIBADE AKONAI, OLUMIDE	3648	705-014580

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Davidson, Davidson &
2 Kappel, LLC
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. Fees submitted: ☒ Issue Fee ❑ Publication Fee (if required)

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

☒ Electronic Payment via Patent Center or EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 05-0552

5. **Change in Entity Status** (from status indicated above)

❑ Applicant certifying micro entity status. See 37 CFR 1.29

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

❑ Applicant asserting small entity status. See 37 CFR 1.27

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

❑ Applicant changing to regular undiscounted fee status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Clint R. Mehall/ Date January 17, 2024

Typed or printed name Clint R. Mehall Registration No. 62,380

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/863,208	01/17/2024 11:34:45 AM Z ET	971600.1001

Title of Invention

Exclusive Delivery of Content Within Geographic Areas

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	2712	FILED BY	Clint Mehall
PATENT CENTER #	63977547	AUTHORIZED BY	-
CUSTOMER #	23280	FILING DATE	07/12/2022
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Ryan Hardin

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 500552	E20241GB37079803	Clint Mehall

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1501	UTILITY ISSUE FEE	1200.00	1	1200.00
			TOTAL AMOUNT:	$1,200.00

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 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.

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/863,208	**01/17/2024 11:34:45 AM Z ET**	**971600.1001**

Title of Invention

Exclusive Delivery of Content Within Geographic Areas

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	2712	FILED BY	Clint Mehall
PATENT CENTER #	63977547	FILING DATE	07/12/2022
CUSTOMER #	23280	FIRST NAMED INVENTOR	Ryan Hardin
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	-

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
9716001001FiledIssueFee17jan24.pdf	1	Issue Fee Payment (PTO-85B)	1440 KB

Warning: The attached file contains comments or annotations. Comments are not recommended and may cause processing problems with the document.

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
9716001001FiledIssueFee17jan24.pdf	B026A187520B6EBF25E5904C865AFAF87780C45B7BDF7108F4433FA702950B5219016813091 91A75F54C0425816C037EEC09A

F7D87640D729F07C6D737B54369

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ryan Hardin et al. **Application No.:** 17/863,208
Filing Date: 12 July 2022
Examiner: Ajibade Akonai, Olumide **Docket No.:** 971600.1001
Group Art Unit: 3648 **Customer No.:** 23280
Title: Exclusive Delivery of Content Within Geographic Areas

AMENDMENT UNDER 37 CFR 1.312 and
Comments on Statement of Reasons for Allowance

Date: 17 January 2024

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

Dear Examiner:

This is an amendment filed under 37 CFR 1.312 in view of the Notice of Allowability mailed on October 17, 2023 by the United States Patent and Trademark Office ("the Office") regarding the above-identified application ("the Instant Application"). The applicants of the Instant Application ("the Applicants") respectfully request that amendment of the claims, as presented below, be entered in this case.

Amendment to the Claims begin on page 2 of this correspondence;

Remarks begin on page 31 of this correspondence; and

Conclusions begin on page 34 of this correspondence.

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows. This listing of the claims will replace all prior versions, and listings, of the claims in the Instant Application.

1. (Currently Amended) A system for creating and offloading location awareness, the system including a mobile device and comprising:

at least one memory;

at least one processor operably coupled to the at least one memory; and

code configured for execution by the at least one processor, wherein the code comprises at least one instruction for:

sending, to a content delivery platform ~~software~~:

a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest; and

receiving, via the computer program, the identifier delivered by the content delivery platform ~~software~~ after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest.

2. (Currently Amended) The system of claim 1, wherein the code further comprises at least one instruction for, in response to receiving, via the computer program, the identifier

delivered by the content delivery platform ~~software~~, displaying~~, via a connected display device,~~ content associated with the selected geographic area of interest.

3. (Currently Amended) The system of claim 1, wherein:
   the code further comprises at least one instruction for sending the identifier to the content delivery platform ~~software~~; and
   the computer program is an application program.

4. (Currently Amended) The system of claim 1, wherein:
   the geometric construct comprises at least a latitude value, a longitude value, and a radius value; and
   the geographic reservation data ~~further~~ comprises information indicating an area bounded by the at least one perimeter as the selected geographic area of interest.

5. (Currently Amended) The system of claim [[4]]1, wherein:
   the selected geographic area of interest is a first selected geographic area of interest; and
   the code further comprises at least one instruction for sending, to the content delivery platform ~~software~~, a second request to have a[[n]] second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered [[a]]the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

6. (Canceled)

7. (Currently Amended) The system of claim 1, wherein:
   receiving, via the computer program, the identifier delivered by the content delivery platform ~~software~~ comprises receiving the identifier after it has been determined,

by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time.

8. (Canceled)

9. (Previously Presented) The system of claim 1, wherein the identifier is to be delivered exclusively to the computer program and not to be broadcast to other computer programs on the mobile device.

10. (Currently Amended) A system for creating and offloading location awareness, the system including a mobile device and comprising:

at least one memory;

at least one processor operably coupled to the at least one memory; and

code configured for execution by the at least one processor, wherein the code comprises at least one instruction for:

receiving, via a content delivery platform ~~software~~:

a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest;

reserving, in the at least one memory, the selected geographic area of interest for delivery of the identifier to the computer program;

obtaining the location information representing at least one physical geographic location of the mobile device; and

delivering the identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest.

11. (Currently Amended) The system of claim 10, wherein the code further comprises at least one instruction for:

sending, to the content delivery platform ~~software~~, the request and the geographic reservation data; and

receiving, via the computer program, the identifier in response to the delivering.

12. (Currently Amended) The system of claim 10, wherein:

the code further comprises at least one instruction for:

receiving the identifier via the content delivery platform ~~software~~; and

in response to receiving the identifier via the content delivery platform ~~software~~, storing, in the at least one memory, the identifier; and

delivering the identifier to the computer program comprises delivering the identifier from the at least one memory.

13. (Original) The system of claim 10, wherein delivering the identifier to the computer program comprises delivering the identifier after it has been determined that the mobile device has at least remained within the selected geographic area of interest for at least a predetermined length of time.

14. (Original) The system of claim 12, wherein the code further comprises at least one instruction for:

preserving delivery of the identifier from the at least one memory to the computer program until after it has been determined that the mobile device has remained within the selected geographic area of interest for at least a predetermined length of time.

15. (Canceled)

16. (Original) The system of claim 10, wherein the code further comprises at least one instruction for determining, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest.

17. (Original) The system of claim 10, wherein the code further comprises at least one instruction for determining, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time.

18. (Original) The system of claim 10, wherein the code further comprises at least one instruction for creating a notification that the mobile device has at least entered the selected geographic area of interest.

19. (Previously Presented) The system of claim 10, wherein:

reserving the selected geographic area of interest for delivery of the identifier to the computer program comprises reserving the selected geographic area of interest only after it has been determined that the selected geographic area of interest is available to be reserved; and

the code further comprises at least one instruction for sending a notification indicating that the selected geographic area of interest has been reserved.

20. (Currently Amended) The system of claim 16, wherein the instructions for determining consider[[s]] whether at least a predetermined portion of the selected geographic area of interest intersects ~~the mobile device's~~ a location circle of the mobile device, wherein the location circle comprises [[the]]an area contained within a predetermined radius of the geographic location of the mobile device.

21. (Currently Amended) The system of claim 10, wherein the code further comprises at least one instruction for:

receiving, from a third party tracking source, location information corresponding to at least one location of one or more other mobile devices, wherein the one or more other mobile devices is not the mobile device and the location information received from the third party tracking source is to be used, in combination with information received via an antenna of the mobile device, for positioning the geographic location of the mobile device; and

using the location information received from the third party tracking source, in combination with wireless information received via an antenna of the mobile device operable to communicate with a wireless network, to position the geographic location of the mobile device.

22. (Currently Amended) The system of claim 10, wherein:

the code further comprises at least one instruction for:

receiving, via the content delivery platform ~~software~~:

a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to a second computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered [[a]]the second selected geographic area of interest; and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second identifier to the second computer program, wherein the second geographic reservation data comprises a second geometric construct used to establish at least one perimeter as a boundary for the second selected geographic area of interest;

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second identifier to the second computer program; and

delivering the second identifier to the second computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest.

23. (Currently Amended) The system of claim 10, wherein:

the code further comprises at least one instruction for:

receiving, via the content delivery platform ~~software~~:

a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered [[a]]the second selected geographic area of interest; and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second identifier to the computer program, wherein the second geographic reservation data comprises a second geometric construct used to establish at least one perimeter as a boundary for the second selected geographic area of interest;

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second identifier to the computer program; and

delivering the second identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest.

24. (Currently Amended) The system of claim 10, wherein the code further comprises at least one instruction for performing a verification whether the computer program has authorization to initiate a location session with the content delivery platform ~~software~~, wherein:

if the verification passes, the computer program is allowed to initiate [[a]]the location session with the content delivery platform ~~software~~; and

if the verification fails, the computer program is not allowed to initiate [[a]]the location session with the content delivery platform ~~software~~.

25. (Currently Amended) The system of claim 24, wherein performing the verification comprises performing, for the computer program, a check on a key being previously stored in a data store that the content delivery platform ~~software~~ uses for validating location sessions initiated by one or more computer programs installed on the mobile device.

26. (Original) The system of claim 10, wherein the obtained location information is determined at least in part by using cellular tower information received via a cellular antenna of the mobile device and not by using information received via a GPS antenna of the mobile device.

27. (Canceled)

28. (Canceled)

29. (Currently Amended) A non-transitory computer readable medium for creating and offloading location awareness, said non-transitory computer readable medium ~~causing~~ including instructions executable by at least one processor to cause performance ~~the steps~~ of:

sending, to a content delivery platform ~~software~~:

a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on a mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest; and

receiving, via the computer program, the identifier delivered by the content delivery platform ~~software~~ after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest.

30. (Currently Amended) A non-transitory computer readable medium for creating and offloading location awareness, said non-transitory computer readable medium ~~causing~~ including instructions executable by at least one processor to cause performance ~~the steps~~ of:

receiving, via a content delivery platform ~~software~~:

a request to have an alphanumeric identifier, being associated with a selected geographic area of interest, delivered to a computer program on a mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the alphanumeric identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest;

reserving, in at least one memory, the selected geographic area of interest for delivery of the alphanumeric identifier to the computer program;

obtaining the location information representing at least one physical geographic location of the mobile device; and

delivering the alphanumeric identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest.

31. (Canceled)

32. (Previously Presented) The non-transitory computer readable medium of claim 29, wherein the identifier is an alphanumeric identifier.

33. (New) The system of claim 1, wherein the identifier is an alphanumeric identifier.

34. (New) The system of claim 2, wherein:

the code further comprises at least one instruction for sending the identifier to the content delivery platform; and

the computer program is an application program.

35. (New) The system of claim 2, wherein:

the geometric construct comprises at least a latitude value, a longitude value, and a radius value; and

the geographic reservation data comprises information indicating an area bounded by the at least one perimeter as the selected geographic area of interest.

36. (New) The system of claim 3, wherein:

the geometric construct comprises at least a latitude value, a longitude value, and a radius value; and

the geographic reservation data comprises information indicating an area bounded by the at least one perimeter as the selected geographic area of interest.

37. (New) The system of claim 34, wherein:

the geometric construct comprises at least a latitude value, a longitude value, and a radius value; and

the geographic reservation data comprises information indicating an area bounded by the at least one perimeter as the selected geographic area of interest.

38. (New) The system of claim 2, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the code further comprises at least one instruction for sending, to the content delivery platform, a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

39. (New) The system of claim 3, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the code further comprises at least one instruction for sending, to the content delivery platform, a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

40. (New) The system of claim 4, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the code further comprises at least one instruction for sending, to the content delivery platform, a second request to have a second identifier, being associated with a

second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

41. (New) The system of claim 34, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the code further comprises at least one instruction for sending, to the content delivery platform, a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

42. (New) The system of claim 35, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the code further comprises at least one instruction for sending, to the content delivery platform, a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

43. (New) The system of claim 36, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the code further comprises at least one instruction for sending, to the content delivery platform, a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

44. (New) The system of claim 37, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the code further comprises at least one instruction for sending, to the content delivery platform, a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

45. (New) The system of any one of claims 2-5 or 34-44, wherein:

receiving, via the computer program, the identifier delivered by the content delivery platform comprises receiving the identifier after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time.

46. (New) The system of any one of claims 2-5, 7, or 34-44, wherein:

the identifier is to be delivered exclusively to the computer program and not to be broadcast to other computer programs on the mobile device; and

the identifier is an alphanumeric identifier.

47. (New) The system of claim 45, wherein:

the identifier is to be delivered exclusively to the computer program and not to be broadcast to other computer programs on the mobile device; and

the identifier is an alphanumeric identifier.

48. (New) The system of claim 10, wherein the identifier is an alphanumeric identifier.

49. (New) The system of any one of claims 12-14, 16-26, or 48, wherein the code further comprises at least one instruction for:

sending, to the content delivery platform, the request and the geographic reservation data; and

receiving, via the computer program, the identifier in response to the delivering.

50. (New) The system of any one of claims 11-12, 14, 16-26, or 48, wherein delivering the identifier to the computer program comprises delivering the identifier after it has been determined that the mobile device has at least remained within the selected geographic area of interest for at least a predetermined length of time.

51. (New) The system of any one of claims 11-14, 16-21, 24-26, or 48, wherein:

the code further comprises at least one instruction for:

receiving, via the content delivery platform:

a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to a second computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest; and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second identifier to the second computer program, wherein the second geographic reservation data comprises a second geometric construct used to establish at least one perimeter as a boundary for the second selected geographic area of interest;

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second identifier to the second computer program; and

delivering the second identifier to the second computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest.

52. (New) The system of claim 16, wherein the code further comprises at least one instruction for:

receiving, from a third party tracking source, location information corresponding to at least one location of one or more other mobile devices, wherein the one or more other mobile devices is not the mobile device and the location information received from the third party tracking source is to be used, in combination with information received via an antenna of the mobile device, for positioning the geographic location of the mobile device; and

using the location information received from the third party tracking source, in combination with wireless information received via an antenna of the mobile device operable to communicate with a wireless network, to position the geographic location of the mobile device.

53. (New) The system of claim 20, wherein the code further comprises at least one instruction for:

receiving, from a third party tracking source, location information corresponding to at least one location of one or more other mobile devices, wherein the one or more other mobile devices is not the mobile device and the location information

received from the third party tracking source is to be used, in combination with information received via an antenna of the mobile device, for positioning the geographic location of the mobile device; and

using the location information received from the third party tracking source, in combination with wireless information received via an antenna of the mobile device operable to communicate with a wireless network, to position the geographic location of the mobile device.

54. (New) The system of claim 49, wherein the computer program is an application program.

55. (New) The system of claim 50, wherein the computer program is an application program.

56. (New) The system of claim 51, wherein the computer program and the second computer program are each application programs.

57. (New) The system of claim 52, wherein the computer program is an application program.

58. (New) The system of claim 53, wherein the computer program is an application program.

59. (New) The system of claim 16, wherein the obtained location information is determined at least in part by using cellular tower information received via a cellular antenna of the mobile device and not by using information received via a GPS antenna of the mobile device.

60. (New) The system of claim 20, wherein the obtained location information is determined at least in part by using cellular tower information received via a cellular antenna of the mobile device and not by using information received via a GPS antenna of the mobile device.

61. (New) The non-transitory computer readable medium of claim 29, wherein the instructions further cause performance of, in response to receiving, via the computer

program, the identifier delivered by the content delivery platform, displaying content associated with the selected geographic area of interest.

62. (New) The non-transitory computer readable medium of claim 29, wherein:

the instructions further cause performance of sending the identifier to the content delivery platform; and

the computer program is an application program.

63. (New) The non-transitory computer readable medium of claim 29, wherein:

the geometric construct comprises at least a latitude value, a longitude value, and a radius value; and

the geographic reservation data further comprises information indicating an area bounded by the at least one perimeter as the selected geographic area of interest.

64. (New) The non-transitory computer readable medium of claim 29, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the instructions further cause performance of sending, to the content delivery platform, a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

65. (New) The non-transitory computer readable medium of claim 29, wherein:

receiving, via the computer program, the identifier delivered by the content delivery platform comprises receiving the identifier after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the

selected geographic area of interest and has remained therein for at least a predetermined length of time.

66. (New) The non-transitory computer readable medium of claim 29, wherein the identifier is to be delivered exclusively to the computer program and not to be broadcast to other computer programs on the mobile device.

67. (New) The non-transitory computer readable medium of claim 30, wherein the instructions further cause performance of:

sending, to the content delivery platform, the request and the geographic reservation data; and

receiving, via the computer program, the alphanumeric identifier in response to the delivering.

68. (New) The non-transitory computer readable medium of claim 30, wherein:

the instructions further cause performance of:

receiving the alphanumeric identifier via the content delivery platform; and

in response to receiving the alphanumeric identifier via the content delivery platform, storing, in the at least one memory, the alphanumeric identifier; and

delivering the alphanumeric identifier to the computer program comprises delivering the alphanumeric identifier from the at least one memory.

69. (New) The non-transitory computer readable medium of claim 30, wherein delivering the alphanumeric identifier to the computer program comprises delivering the alphanumeric identifier after it has been determined that the mobile device has at least remained within the selected geographic area of interest for at least a predetermined length of time.

70. (New) The non-transitory computer readable medium of claim 68, wherein the instructions further cause performance of:

preserving delivery of the alphanumeric identifier from the at least one memory to the computer program until after it has been determined that the mobile device

has remained within the selected geographic area of interest for at least a predetermined length of time.

71. (New) The non-transitory computer readable medium of claim 30, wherein the instructions further cause performance of determining, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest.

72. (New) The non-transitory computer readable medium of claim 30, wherein the instructions further cause performance of determining, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time.

73. (New) The non-transitory computer readable medium of claim 30, wherein the instructions further cause performance of creating a notification that the mobile device has at least entered the selected geographic area of interest.

74. (New) The non-transitory computer readable medium of claim 30, wherein:

reserving the selected geographic area of interest for delivery of the alphanumeric identifier to the computer program comprises reserving the selected geographic area of interest only after it has been determined that the selected geographic area of interest is available to be reserved; and

the instructions further cause performance of sending a notification indicating that the selected geographic area of interest has been reserved.

75. (New) The non-transitory computer readable medium of claim 71, wherein the determining considers whether at least a predetermined portion of the selected geographic area of interest intersects a location circle of the mobile device, wherein the location circle comprises the area contained within a predetermined radius of the geographic location of the mobile device.

76. (New) The non-transitory computer readable medium of claim 30, wherein the instructions further cause performance of:

receiving, from a third party tracking source, location information corresponding to at least one location of one or more other mobile devices, wherein the one or more other mobile devices is not the mobile device and the location information received from the third party tracking source is to be used, in combination with information received via an antenna of the mobile device, for positioning the geographic location of the mobile device; and

using the location information received from the third party tracking source, in combination with wireless information received via an antenna of the mobile device operable to communicate with a wireless network, to position the geographic location of the mobile device.

77. (New) The non-transitory computer readable medium of claim 30, wherein:

the instructions further cause performance of:

receiving, via the content delivery platform:

a second request to have a second alphanumeric identifier, being associated with a second selected geographic area of interest, delivered to a second computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest; and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second alphanumeric identifier to the second computer program, wherein the second geographic reservation data comprises a second geometric construct used to establish at least one perimeter as a boundary for the second selected geographic area of interest;

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second alphanumeric identifier to the second computer program; and

delivering the second alphanumeric identifier to the second computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest.

78. (New) The non-transitory computer readable medium of claim 30, wherein:

the instructions further cause performance of:

receiving, via the content delivery platform:

a second request to have a second alphanumeric identifier, being associated with a second selected geographic area of interest, delivered to the computer program after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest; and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second alphanumeric identifier to the computer program, wherein the second geographic reservation data comprises a second geometric construct used to establish at least one perimeter as a boundary for the second selected geographic area of interest;

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second alphanumeric identifier to the computer program; and

delivering the second alphanumeric identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest.

79. (New) The non-transitory computer readable medium of claim 30, wherein the instructions further cause performance of performing a verification whether the computer program has authorization to initiate a location session with the content delivery platform, wherein:

if the verification passes, the computer program is allowed to initiate the location session with the content delivery platform; and

if the verification fails, the computer program is not allowed to initiate the location session with the content delivery platform.

80. (New) The non-transitory computer readable medium of claim 79, wherein performing the verification comprises performing, for the computer program, a check on a key being previously stored in a data store that the content delivery platform uses for validating location sessions initiated by one or more computer programs installed on the mobile device.

81. (New) The non-transitory computer readable medium of claim 30, wherein the obtained location information is determined at least in part by using cellular tower information received via a cellular antenna of the mobile device and not by using information received via a GPS antenna of the mobile device.

82. (New) The non-transitory computer readable medium of claim 30, wherein the computer program is an application program.

83. (New) The non-transitory computer readable medium of claim 61, wherein:

the instructions further cause performance of sending the identifier to the content delivery platform; and

the computer program is an application program.

84. (New) The non-transitory computer readable medium of claim 61, wherein:

the geometric construct comprises at least a latitude value, a longitude value, and a radius value; and

the geographic reservation data further comprises information indicating an area bounded by the at least one perimeter as the selected geographic area of interest.

85. (New) The non-transitory computer readable medium of claim 62, wherein:

the geometric construct comprises at least a latitude value, a longitude value, and a radius value; and

the geographic reservation data further comprises information indicating an area bounded by the at least one perimeter as the selected geographic area of interest.

86. (New) The non-transitory computer readable medium of claim 83, wherein:

the geometric construct comprises at least a latitude value, a longitude value, and a radius value; and

the geographic reservation data further comprises information indicating an area bounded by the at least one perimeter as the selected geographic area of interest.

87. (New) The non-transitory computer readable medium of claim 61, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the instructions further cause performance of sending, to the content delivery platform, a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

88. (New) The non-transitory computer readable medium of claim 62, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the instructions further cause performance of sending, to the content delivery platform, a second request to have a second identifier, being associated with a

second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

89. (New) The non-transitory computer readable medium of claim 63, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the instructions further cause performance of sending, to the content delivery platform, a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

90. (New) The non-transitory computer readable medium of claim 83, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the instructions further cause performance of sending, to the content delivery platform, a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

91. (New) The non-transitory computer readable medium of claim 84, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the instructions further cause performance of sending, to the content delivery platform, a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

92. (New) The non-transitory computer readable medium of claim 85, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the instructions further cause performance of sending, to the content delivery platform, a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

93. (New) The non-transitory computer readable medium of claim 86, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the instructions further cause performance of sending, to the content delivery platform, a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile

device, that the mobile device has at least entered the second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

94. (New) The non-transitory computer readable medium of any one of claims 61-64 or 83-93, wherein:

receiving, via the computer program, the identifier delivered by the content delivery platform comprises receiving the identifier after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time.

95. (New) The non-transitory computer readable medium of any one of claims 61-65 or 83-93, wherein:

the identifier is to be delivered exclusively to the computer program and not to be broadcast to other computer programs on the mobile device; and

the identifier is an alphanumeric identifier.

96. (New) The non-transitory computer readable medium of claim 94, wherein:

the identifier is to be delivered exclusively to the computer program and not to be broadcast to other computer programs on the mobile device; and

the identifier is an alphanumeric identifier.

97. (New) The non-transitory computer readable medium of any one of claims 68-70 or 71-81, wherein the instructions further cause performance of:

sending, to the content delivery platform, the request and the geographic reservation data; and

receiving, via the computer program, the alphanumeric identifier in response to the delivering.

98. (New) The non-transitory computer readable medium of any one of claims 67-68, 70, or 71-81, wherein delivering the alphanumeric identifier to the computer program comprises delivering the alphanumeric identifier after it has been determined that the mobile device has at least remained within the selected geographic area of interest for at least a predetermined length of time.

99. (New) The non-transitory computer readable medium of any one of claims 67-70, 71-76, or 79-81, wherein:

the instructions further cause performance of:

receiving, via the content delivery platform:

a second request to have a second alphanumeric identifier, being associated with a second selected geographic area of interest, delivered to a second computer program on the mobile device after it has been determined, by at least use of the location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the second selected geographic area of interest; and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second alphanumeric identifier to the second computer program, wherein the second geographic reservation data comprises a second geometric construct used to establish at least one perimeter as a boundary for the second selected geographic area of interest;

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second alphanumeric identifier to the second computer program; and

delivering the second alphanumeric identifier to the second computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest.

100. (New) The non-transitory computer readable medium of claim 71, wherein the instructions further cause performance of:

receiving, from a third party tracking source, location information corresponding to at least one location of one or more other mobile devices, wherein the one or more other mobile devices is not the mobile device and the location information received from the third party tracking source is to be used, in combination with information received via an antenna of the mobile device, for positioning the geographic location of the mobile device; and

using the location information received from the third party tracking source, in combination with wireless information received via an antenna of the mobile device operable to communicate with a wireless network, to position the geographic location of the mobile device.

101. (New) The non-transitory computer readable medium of claim 75, wherein the instructions further cause performance of:

receiving, from a third party tracking source, location information corresponding to at least one location of one or more other mobile devices, wherein the one or more other mobile devices is not the mobile device and the location information received from the third party tracking source is to be used, in combination with information received via an antenna of the mobile device, for positioning the geographic location of the mobile device; and

using the location information received from the third party tracking source, in combination with wireless information received via an antenna of the mobile device operable to communicate with a wireless network, to position the geographic location of the mobile device.

102. (New) The non-transitory computer readable medium of claim 97, wherein the computer program is an application program.

103. (New) The non-transitory computer readable medium of claim 98, wherein the computer program is an application program.

104. (New) The non-transitory computer readable medium of claim 99, wherein the computer program and the second computer program are each application programs.

105. (New) The non-transitory computer readable medium of claim 100, wherein the computer program is an application program.

106. (New) The non-transitory computer readable medium of claim 101, wherein the computer program is an application program.

107. (New) The non-transitory computer readable medium of claim 71, wherein the obtained location information is determined at least in part by using cellular tower information received via a cellular antenna of the mobile device and not by using information received via a GPS antenna of the mobile device.

108. (New) The non-transitory computer readable medium of claim 75, wherein the obtained location information is determined at least in part by using cellular tower information received via a cellular antenna of the mobile device and not by using information received via a GPS antenna of the mobile device.

REMARKS

The Notice of Allowability indicated that Claims 1-5, 7-14, 16-30, and 32 are allowed. After review of the allowed claims of record, the Applicants amend Claims 1-5, 7, 10-12, 20-25, and 29-30 without prejudice and to achieve consistency with co-pending Application No.: 17/182,809 and/or to correct noted typographical errors and antecedent bases. Further, the Applicants cancel Claims 8 and 27-28 without prejudice and present new claims for addition to the claims of record. The Applicants submit that any amendments to the claims and the addition of new claims herein do not involve the introduction of any new matter and do not contradict any stated reasons for allowance.

Claims 33-108 have been added. Antecedence/support for these claims can be found in the allowed claim(s) of record; in the specification as filed; in the detailed description; and/or in the drawings. For example:

- the language in Claim 33 can be found in allowed Claim 32;
- the language in Claim 34 can be found in allowed Claim 3;
- the language in Claims 35-37 can be found in allowed Claim 4;
- the language in Claims 38-44 can be found in allowed Claim 5;
- the language in Claim 45 can be found in allowed Claim 7;
- the language in Claims 46-47 can be found in allowed Claims 9 and 32;

- the language in Claim 48 can be found in allowed Claim 32;
- the language in Claim 49 can be found in allowed Claim 11;
- the language in Claim 50 can be found in allowed Claim 13;
- the language in Claim 51 can be found in allowed Claim 22;
- the language in Claims 52-53 can be found in allowed Claim 21;
- the language in Claims 54-58 can be found in allowed Claim 3;
- the language in Claims 59-60 can be found in allowed Claim 26;

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- the language in Claim 61 can be found in allowed Claim 2;
- the language in Claim 62 can be found in allowed Claim 3;
- the language in Claim 63 can be found in allowed Claim 4;
- the language in Claim 64 can be found in allowed Claim 5;
- the language in Claim 65 can be found in allowed Claim 7;
- the language in Claim 66 can be found in allowed Claim 9;

- the language in Claim 67 can be found in allowed Claim 11;
- the language in Claim 68 can be found in allowed Claim 12;
- the language in Claim 69 can be found in allowed Claim 13;
- the language in Claim 70 can be found in allowed Claim 14;
- the language in Claim 71 can be found in allowed Claim 16;
- the language in Claim 72 can be found in allowed Claim 17;
- the language in Claim 73 can be found in allowed Claim 18;
- the language in Claim 74 can be found in allowed Claim 19;
- the language in Claim 75 can be found in allowed Claim 20;
- the language in Claim 76 can be found in allowed Claim 21;
- the language in Claim 77 can be found in allowed Claim 22;
- the language in Claim 78 can be found in allowed Claim 23;
- the language in Claim 79 can be found in allowed Claim 24;
- the language in Claim 80 can be found in allowed Claim 25;
- the language in Claim 81 can be found in allowed Claim 26;
- the language in Claim 82 can be found in allowed Claim 3;

- the language in Claim 83 can be found in allowed Claim 3;
- the language in Claims 84-86 can be found in allowed Claim 4;
- the language in Claims 87-93 can be found in allowed Claim 5;
- the language in Claim 94 can be found in allowed Claim 7;
- the language in Claims 95-96 can be found in allowed Claims 9 and 32;

- the language in Claim 97 can be found in allowed Claim 11;
- the language in Claim 98 can be found in allowed Claim 13;
- the language in Claim 99 can be found in allowed Claim 22;
- the language in Claims 100-101 can be found in allowed Claim 21;
- the language in Claims 102-106 can be found in allowed Claim 3; and
- the language in Claims 107-108 can be found in allowed Claim 26.

Applicants respectfully requests these amendments be entered by the Examiner, and notes that the proposed amendments and new dependent claims require no additional search or examination as they are formal in nature and/or protect further combinations of the allowable subject matter. All new claims are patentable for at least the same reasons as the independent claims.

The Examiner has cited references in one or more Office Actions in this case, in addition to the Notice of Allowability. The Applicants submit that such a citation alone does not suggest that the cited references are analogous or applicable to the claimed invention. Additionally, the Applicants submit that the citation of references by the Applicants alone does not suggest that the cited references are analogous or applicable to the claimed invention. The Applicants make no admission regarding the applicability of any art cited in this case, and any references cited by the Applicants in this case are being cited out of an abundance of caution with respect to the duty of candor and good faith disclosure under 37 C.F.R. § 1.56, and the Applicants note that, in accordance with 37 C.F.R. § 1.97(h), the Applicants providing the cited references via information disclosure statements or otherwise is not intended and should not be considered to be an admission that the information cited therein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

FEES

If any additional fees should be due, the Office is hereby authorized to charge any such fees associated with filing to Deposit Account 50-0552.

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CONCLUSION

The Applicants respectfully request that amendment to the claims presented herein be entered in this case. If there are any matters that can be discussed by telephone to further the prosecution of the Instant Application, the Applicants invite the Examiner to contact the undersigned at 212-736-2663 at the Examiner's convenience.

Respectfully submitted,
DAVIDSON, DAVIDSON & KAPPEL, LLC

By: /Clint R. Mehall/

Clint R. Mehall

(Reg. No. 62,380)

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Alexandria, VA 22313 - 1450
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/863,208	**01/17/2024 12:36:51 AM Z ET**	**971600.1001**

Title of Invention

Exclusive Delivery of Content Within Geographic Areas

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	2712	FILED BY	Clint Mehall
PATENT CENTER #	63973688	FILING DATE	07/12/2022
CUSTOMER #	23280	FIRST NAMED INVENTOR	Ryan Hardin
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	-

Documents

TOTAL DOCUMENTS: 4

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
9716001001FiledIssueFee17jan24.pdf		1	Issue Fee Payment (PTO-85B)	1440 KB
Warning: The attached file contains comments or annotations. Comments are not recommended and may cause processing problems with the document.				
9716001001Filed312Amendment17jan24.pdf		35	-	163 KB
9716001001Filed312Amendment17jan24-A.NA.pdf	(1-1)	1	Amendment after Notice of Allowance (Rule 312)	76 KB
9716001001Filed312Amendment17jan24-CLM.pdf	(2-30)	29	Claims	131 KB

9716001001Filed312Amendment17jan24-REM.pdf	(31-35)	5	Applicant Arguments/Remarks Made in an Amendment	101 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
9716001001FiledIssueFee17jan24.pdf	B026A187520B6EBF25E5904C865AFAF87780C45B7BDF7108F4433FA702950B52190168130919 1A75F54C0425816C037EEC09AF7D87640D729F07C6D737B54369
9716001001Filed312Amendment17jan24.pdf	0FD17ED0AE88CA8517CE88E326CC2D8545DBE0DF6FDD9DA4E48585D26D2A3C87DC87C447509363AA01CC5CB827815EEA66EB1383A5A40E4EC9CEFD14166CC888
9716001001Filed312Amendment17jan24-A.NA.pdf	41ED3245B393697F1BF394681051B8E915377C978A6A46782A29F9EEF87FC0007D844EE59207AC2AB65DF5D77778614B2B922DE8C4A82FAE4CA7CF9A4C586EED
9716001001Filed312Amendment17jan24-CLM.pdf	706F1E0B1DD208AF6A6DEC4941359EB3202963E0FB18338A77C182C38A944DFFDA5530E7C4B53E4F0780EFD5208AF1331733CBF8337C531CE7EAADBE4453CCFB
9716001001Filed312Amendment17jan24-REM.pdf	3D8D1E4433AE3B6A8476CDF48C144CF53E9A96D2A47B1978604D96ECEDA15D2E7927D67D22D6A492167CDE6CD99CFB7E7B000B704BF675C1F95232176E4D47A6

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 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.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

23280 7590 10/17/2023
Davidson, Davidson & Kappel, LLC
589 8th Avenue
22nd Floor
New York, NY 10018

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
Filed via EFS-Web (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/863,208	07/12/2022	Ryan Hardin	971600.1001	2712

TITLE OF INVENTION: Exclusive Delivery of Content Within Geographic Areas

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	01/17/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
AJIBADE AKONAI, OLUMIDE	3648	705-014580

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Davidson, Davidson &
2 Kappel, LLC
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required)

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

☒ Electronic Payment via Patent Center or EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 05-0552

5. **Change in Entity Status** (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

☐ Applicant asserting small entity status. See 37 CFR 1.27

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

☐ Applicant changing to regular undiscounted fee status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Clint R. Mehall/ Date January 17, 2024

Typed or printed name Clint R. Mehall Registration No. 62,380

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
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ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/863,208	01/17/2024 12:36:51 AM Z ET	971600.1001

Title of Invention

Exclusive Delivery of Content Within Geographic Areas

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	2712	FILED BY	Clint Mehall
PATENT CENTER #	63973688	AUTHORIZED BY	-
CUSTOMER #	23280	FILING DATE	07/12/2022
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Ryan Hardin

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 500552	E202416138286706	Clint Mehall

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
500552	37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.21 (Miscellaneous fees and charges)

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1202	EACH CLAIM IN EXCESS OF 20	100.00	273	27300.00
			TOTAL AMOUNT:	$27,300.00

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 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.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/863,208	07/12/2022	Ryan Hardin	971600.1001	2712

23280 7590 11/08/2023

Davidson, Davidson & Kappel, LLC
589 8th Avenue
22nd Floor
New York, NY 10018

EXAMINER
AJIBADE AKONAI, OLUMIDE

ART UNIT	PAPER NUMBER
3648	

NOTIFICATION DATE	DELIVERY MODE
11/08/2023	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):

ddk@ddkpatent.com

Corrected ***Notice of Allowability***	**Application No.** 17/863,208	**Applicant(s)** Hardin et al.	
	Examiner OLUMIDE T AJIBADE AKONAI	**Art Unit** 3648	**AIA (FITF) Status** No

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 08/03/2023.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ 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.

3. ☑ The allowed claim(s) is/are 1-5,7-14,16-30 and 32 . As a result of the allowed claim(s), 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.**

4. ☐ 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)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☐ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/OLUMIDE AJIBADE AKONAI/
Primary Examiner, Art Unit 3648

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
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.

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

Application Number	17863208
Filing Date	2022-07-12
First Named Inventor	Hardin, Ryan
Art Unit	
Examiner Name	
Attorney Docket Number	0075652.00009

U.S.PATENTS

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Application Number	17863208
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First Named Inventor	Hardin, Ryan
Art Unit	
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	39	Exhibit A-1 - Invalidity of U.S. Patent No. 9,779,418 ("'418 Patent") by U.S. Patent Application Publication No. 2006/0223494 A1 ("Chmaytelli")	☐
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	44	Exhibit A-6 - Invalidity of U.S. Patent No. 9,779,418 ("'418 Patent") by U.S. Patent App. Pub. No. 2006/0270421A1 ("Phillips")	☐
	45	Exhibit A-7 - Invalidity of U.S. Patent No. 9,779,418 ("'418 Patent") by U.S. Patent Application Pub. No. 2007/0129888A1 ("Rosenberg")	☐
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Examiner Signature	/OLUMIDE AJIBADE AKONAI/	Date Considered	02/28/2023

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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	/Ryan J. Hardin/	Date (YYYY-MM-DD)	2022-07-21
Name/Print	Ryan J. Hardin	Registration Number	

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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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 record s.

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.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /O.A/

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

23280 7590 10/17/2023

Davidson, Davidson & Kappel, LLC
589 8th Avenue
22nd Floor
New York, NY 10018

EXAMINER
AJIBADE AKONAI, OLUMIDE

ART UNIT	PAPER NUMBER
3648	

DATE MAILED: 10/17/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/863,208	07/12/2022	Ryan Hardin	971600.1001	2712

TITLE OF INVENTION: Exclusive Delivery of Content Within Geographic Areas

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	01/17/2024

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

23280 7590 10/17/2023
Davidson, Davidson & Kappel, LLC
589 8th Avenue
22nd Floor
New York, NY 10018

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/863,208	07/12/2022	Ryan Hardin	971600.1001	2712

TITLE OF INVENTION: Exclusive Delivery of Content Within Geographic Areas

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	01/17/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
AJIBADE AKONAI, OLUMIDE	3648	705-014580

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. Fees submitted: ❑ Issue Fee ❑ Publication Fee (if required)

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

❑ Electronic Payment via Patent Center or EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. **Change in Entity Status** (from status indicated above)

❑ Applicant certifying micro entity status. See 37 CFR 1.29

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

❑ Applicant asserting small entity status. See 37 CFR 1.27

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

❑ Applicant changing to regular undiscounted fee status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/863,208	07/12/2022	Ryan Hardin	971600.1001	2712

23280 7590 10/17/2023

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New York, NY 10018

EXAMINER	
AJIBADE AKONAI, OLUMIDE	
ART UNIT	PAPER NUMBER
3648	

DATE MAILED: 10/17/2023

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Home Depot - Exhibit 1026 - Page 96

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. 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 30 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, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. 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.

Privacy Act Statement

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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 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)).
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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.

Notice of Allowability	Application No. 17/863,208	Applicant(s) Hardin et al.	
	Examiner OLUMIDE T AJIBADE AKONAI	Art Unit 3648	AIA (FITF) Status No

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 08/03/2023.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ 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.

3. ☑ The allowed claim(s) is/are 1-5,7-14,16-30 and 32 . As a result of the allowed claim(s), 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.**

4. ☐ 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)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☑ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☑ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☑ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/OLUMIDE AJIBADE AKONAI/
Primary Examiner, Art Unit 3648

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in an interview with Clint Mehall (Reg. # 62,380) on October 6, 2023.

The application has been amended as follows:

Claim 21. (Currently Amended) The system of claim 10, wherein the code further comprises at least one instruction for:

receiving, from a third party tracking source, location information corresponding to at least one location of one or more **other** mobile devices, wherein the one or more **other** mobile devices is not the mobile device and the location information received from the third party tracking source is to be used, in combination with information received via an

antenna of the mobile device, for positioning the geographic location of the mobile device; and

using the location information received from the third party tracking source, in combination with wireless information received via an antenna of the mobile device operable to communicate with a wireless network, to position the geographic location of the mobile device.

Allowable Subject Matter

3. Claims 1-5, 7-14, 16-30, and 32 are allowed.

4. The following is an examiner's statement of reasons for allowance: Claims 1, 10, 29, and 30 are allowed in view of the applicant's remarks in the appeal brief filed August 3, 2023. They are persuasive over the prior art of record. Claims 2-5 and 7-9 are allowed by virtue of being dependent on claim 1. Claims 11-14 and 16-28 are allowed by virtue of being dependent on claim 10. Claim 32 is allowed by virtue of being dependent on claim 29.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kang US 20100070351 discloses electronic advertisement method and system using advertisement intermediation site.

Suryanarayana et al US 20080275772 discloses system and method of facilitating targeted delivery of content.

Glassman et al US 20080086356 discloses determining advertisements using user interest information and map-based location information.

Shahine et al US 20080046311 discloses computing system for monetizing calendar applications.

Howes 20050187823 discloses a method for geographically-targeted Internet advertising.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to OLUMIDE T AJIBADE AKONAI whose telephone number is (571)272-6496. The examiner can normally be reached Monday-Friday 8AM-4PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, VLADIMIR MAGLOIRE can be reached on 571-270-5144. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: https://patentcenter.uspto.gov. Visit https://www.uspto.gov/patents/apply/patent-center for more information about Patent Center and https://www.uspto.gov/patents/docx for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/OLUMIDE AJIBADE AKONAI/
Primary Examiner, Art Unit 3648

Examiner-Initiated Interview Summary	**Application No.** 17/863,208	**Applicant(s)** Hardin et al.		
	Examiner OLUMIDE T AJIBADE AKONAI	**Art Unit** 3648	**AIA (First Inventor to File) Status** No	**Page** 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	**Title**	**Type**
OLUMIDE T AJIBADE AKONAI	Primary Examiner	Telephonic
Clint Mehall (Reg. # 62,380)	Attorney of Record	

Date of Interview: 06 October 2023

Issues Discussed:

Proposed Amendment(s)

The applicant's representative approved an examiner's amendment to claim 21 in order to place the application in condition for allowance.

/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	

Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04
Please further see:
MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

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.

Notice of References Cited	Application/Control No. 17/863,208	Applicant(s)/Patent Under Reexamination Hardin et al.	
	Examiner OLUMIDE T AJIBADE AKONAI	Art Unit 3648	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20100070351-A1	03-2010	Kang; Dong Kyun	G06Q30/0207	705/14.1
*	B	US-20080275772-A1	11-2008	Suryanarayana; Lalitha	G06Q30/0277	705/14.66
*	C	US-20080086356-A1	04-2008	Glassman; Steve	G06Q30/0242	705/14.41
*	D	US-20080046311-A1	02-2008	Shahine; Omar H.	G06Q10/1093	705/14.57
*	E	US-20050187823-A1	08-2005	Howes, Jeffrey V.	G06Q30/02	705/14.66
	F					
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	J					
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	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC 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.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/863,208	Hardin et al.
	Examiner	Art Unit
	OLUMIDE T AJIBADE AKONAI	3648

CPC - Searched*		
Symbol	**Date**	**Examiner**
G06Q30/02 30/0261 50/01 30/0241 30/0267 30/0269 30/0251 30/0255 20/3224 30/0205 30/0207 20/322 30/0259	10/31/2022	OA
H04W4/029 4/02 4/021 4/21 4/023 4/025 4/18	10/31/2022	OA
G06Q30/02 30/0277 30/0269 30/0261 30/0241 30/0207 30/0276 30/0272 30/0266 30/0251 30/0264	10/06/2023	OA
H04W4/029 4/21 4/02	10/06/2023	OA

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

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

/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/863,208	Hardin et al.
	Examiner	Art Unit
	OLUMIDE T AJIBADE AKONAI	3648

Search Notes		
Search Notes	**Date**	**Examiner**
PE2E search	10/31/2022	OA
Inventor search	10/31/2022	OA
IP.com search	10/31/2022	OA
IPR2022-01332 Reviewed Petition for Post Grant Review of U.S. No. 9,779,418 on 10/07/2022	10/31/2022	OA
IPR2022-01331 Reviewed Petition for Post Grant Review of U.S. No. 9,779,418 on 10/07/2022	10/31/2022	OA
IPR2022-01330 Reviewed Petition for Post Grant Review of U.S. No. 9,779,418 on 10/07/2022	10/31/2022	OA
IPR2022-01335 Reviewed Petition for Post Grant Review of U.S. No. 10,984,447 on 10/20/2022	10/31/2022	OA
IPR2022-01334 Reviewed Petition for Post Grant Review of U.S. No. 10,984,447 on 10/20/2022	10/31/2022	OA
IPR2022-01334 Reviewed Petition for Post Grant Review of U.S. No. 10,984,447 on 10/20/2022	10/31/2022	OA
PE2E search	03/06/2023	OA
Updated review of IPR2022-01332, IPR2022-01331, IPR2022-01331, IPR2022-01334, and IPR2022-01335	10/06/2023	OA
PE2E search	10/06/2023	OA
inventor and assignee search	10/06/2023	OA
IP.com search	10/06/2023	OA

/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	

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	17/863,208	Hardin et al.
	Examiner	Art Unit
	OLUMIDE T AJIBADE AKONAI	3648

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
G06Q	30/02 30/0261 50/01 30/0241 30/0267 30/0269 30/0251 30/0255 20/3224 30/0205 30/0207 20/322 30/0259	10/31/2022	OA
H04W	4/029 4/02 4/021 4/21 4/023 4/025 4/18	10/31/2022	OA
G06Q	30/02 30/0277 30/0269 30/0261 30/0241 30/0207 30/0276 30/0272 30/0266 30/0251 30/0264	10/06/2023	OA
H04W	4/029 4/21 4/02	10/06/2023	OA

/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	

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	17/863,208	Hardin et al.
	Examiner	**Art Unit**
	OLUMIDE T AJIBADE AKONAI	3648

CPC								
Symbol							**Type**	**Version**
G06Q	/	30	/	0261			F	2013-01-01
H04W	/	4	/	029			I	2018-02-01
G06Q	/	30	/	02			I	2013-01-01
H04M	/	3	/	42357			I	2013-01-01
H04W	/	4	/	021			I	2013-01-01
H04W	/	4	/	18			I	2013-01-01
G06Q	/	30	/	0266			I	2013-01-01
G06Q	/	30	/	0267			I	2013-01-01
H04M	/	2242	/	14			A	2013-01-01
H04L	/	67	/	53			A	2022-05-01

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	29	
/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	06 October 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20231006

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/863,208	Hardin et al.
	Examiner	**Art Unit**
	OLUMIDE T AJIBADE AKONAI	3648

INTERNATIONAL CLASSIFICATION				
CLAIMED				
G06Q30/0251	/	30	/	0251
H04W4/029	/	4	/	029
G06Q30/02	/	30	/	02
H04M3/42	/	3	/	42
H04W4/021	/	4	/	021
H04W4/18	/	4	/	18
H04L67/53	/	67	/	53

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	29	
/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	06 October 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20231006

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	17/863,208	Hardin et al.
	Examiner	**Art Unit**
	OLUMIDE T AJIBADE AKONAI	3648

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	9	10	20	19	11	28								
2	2	10	11	16	20	27	29								
3	3	12	12	21	21	29	30								
4	4	14	13	22	22	-	31								
5	5	13	14	23	23	28	32								
-	6	-	15	24	24										
6	7	15	16	25	25										
7	8	18	17	26	26										
8	9	19	18	17	27										

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	29	
/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	06 October 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	26934	(request$3 solicit$5) SAME (advert content coupon ad) SAME (location position located within) WITH (zone area section geo$1fence boundary) SAME (application app)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/20 02:42 PM
L2	12751	L1 AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/20 02:43 PM
L3	1604	L1 AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 02:43 PM
L4	8004	(request$3 solicit$5) SAME (advert content coupon ad) SAME (location position located within) WITH (zone area section geo$1fence boundary) SAME (application app) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/20 02:46 PM
L5	273	L4 AND	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20

		(@ad<="20090501" OR @rlad<="20090501")					02:46 PM
L6	55	(sponsor advertiser) WITH (request$3 solicit$5) SAME (advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program) AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 02:50 PM
L7	584	(sponsor advertiser) SAME (advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program) AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 04:21 PM
L8	0	(sponsor advertiser) SAME (advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program) AND (H04W.cpc. OR G06Q.cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 04:21 PM
L9	0	(sponsor advertiser) SAME (advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program) AND (H04W/$.cpc. OR G06Q/$.cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 04:22 PM
L10	1497	(sponsor advertiser)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20

		SAME (advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program) AND (H04W$.cpc. OR G06Q$.cpc.)					04:22 PM
L11	1216	(request$3 solicit$5) SAME (advert content coupon ad) SAME (location position located within) WITH (zone area section geo$1fence boundary) SAME (application app) SAME (((wireless mobile portable cellular RF hand$1held hand) ADJ (phone node$1 telephone device equipment apparatus user unit subscriber radio terminal station)) OR radio$1phone OR radio$1telephone OR cell$1phone OR (terminal ADJ (unit equipment)) OR telephone OR hand$2phone OR hand$1set OR (subscriber ADJ (unit$1 terminal$1)) OR (user ADJ equipment) MCU WCD PDA "mobile communication device" "wireless communication device" "mobile communication unit" "personal digital assistant" WTRU (subscriber NEAR station$1) smart$1phone$1 "portable communication device" "portable communication unit" "wireless communication device" laptop tablet "UE" "user equipment") AND (H04W$.cpc. OR	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 04:24 PM

		G06Q$.cpc.)					
L12	281	L11 AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 04:24 PM
L13	10696	(sponsor advertiser business) SAME (request$3 solicit$5 delivery instruct$4) SAME (advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 11:56 AM
L14	3055	L13 AND ((G06Q30/02 OR G06Q30/0261 OR G06Q50/01 OR G06Q30/0241 OR G06Q30/0267 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0255 OR G06Q20/3224 OR G06Q30/0205 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/21 OR H04W4/023 OR H04W4/025 OR H04W4/18).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 11:58 AM
L15	1099	L13 AND ((G06Q30/02 OR G06Q30/0261 OR G06Q50/01 OR G06Q30/0241 OR G06Q30/0267 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0255 OR G06Q20/3224 OR G06Q30/0205 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/21 OR H04W4/023 OR H04W4/025 OR H04W4/18).cpc.) AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 12:04 PM

L16	1377	(sponsor advertiser business) WITH (request$3 solicit$5 instruct$4) WITH (advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 12:05 PM
L17	250	L16 AND ((G06Q30/02 OR G06Q30/0261 OR G06Q50/01 OR G06Q30/0241 OR G06Q30/0267 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0255 OR G06Q20/3224 OR G06Q30/0205 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/21 OR H04W4/023 OR H04W4/025 OR H04W4/18).cpc.) AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 12:05 PM
L18	1	("20060212179").PN.	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 12:38 PM
L19	4	("20030198346"|"20060136292"|"20090197582"|"20100130179").PN.	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 12:40 PM
L20	303	(sponsor$1 advertiser business$2) WITH (request$3 solicit$5 instruct$4 register$3 registration) near5 (server manager platform system) WITH (advert advertisement content coupon ad promotion$1 coupon$1) SAME (zone area section geo$1fence boundary perimeter) SAME ((specific mobile device phone) near3 (application app program))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 01:04 PM

L21	3378	(sponsor$1 advertiser business$2) SAME (server manager platform system) WITH (advert advertisement content coupon ad promotion$1 coupon$1) SAME (location coordinates zone area section geo$1fence boundary perimeter) SAME ((download$4 install$5) near3 (application app program))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 01:10 PM
L22	97	L21 AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 01:10 PM
L23	606	(sponsor$1 advertiser business$2) WITH (request$3 solicit$5 instruct$4 register$3 registration) WITH (advert advertisement content coupon ad promotion$1 coupon$1) WITH (geographic zone area section geo$1fence boundary perimeter) SAME ((specific mobile device phone particular) near3 (application app program))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 01:37 PM
L24	44	L23 AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 01:38 PM
L25	6761	(sponsor$1 advertiser business$2) SAME server SAME (advert advertisement content coupon ad promotion$1 coupon$1) WITH (geographic zone area section geo$1fence boundary perimeter GPS coordinates) SAME (time period) AND ((specific mobile device phone particular) near3 (application app program))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 01:44 PM
L26	620	L25 AND (@ad<="20090501" OR	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 01:44 PM

		@rlad<="20090501")					
L27	2687	L26 NOT (L24 OR L22 OR L20 OR L17 OR L12 OR L6 OR L5)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 01:45 PM
L28	578	L26 NOT (L24 OR L22 OR L20 OR L17 OR L12 OR L6 OR L5)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 01:45 PM
L29	112	(sponsor$1 advertiser business$2) SAME server SAME (advert advertisement content coupon ad promotion$1 coupon$1) WITH geo$1cod$3 SAME (geographic zone area section geo$1fence boundary perimeter GPS coordinates)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 02:01 PM
L30	1	"12144538"	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 02:05 PM
L31	2117	(sponsor advertiser business) WITH (request$3 solicit$5 instruct$4 register$3 registration) near5 (advert advertisement content coupon ad) SAME (location position located within coordinate$1 GPS) WITH (zone area section geo$1fence boundary perimeter)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 02:25 PM
L32	194	L31 AND (((@ad<="20090501"	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 02:26 PM

		OR @rlad<="20090501"))					
L33	9387	(sponsor$1 advertiser business$2) SAME (register$3 registration request$3) SAME server SAME (advert advertisement content coupon ad promotion$1 coupon$1) SAME (geo$1cod$3 geographic zone area section geo$1fence boundary perimeter GPS coordinates) SAME (((mobile wireless cellular portable) near2 (device terminal phone unit)) smartphone cellphone PDA WTRU "user equipment" WCD)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 08:31 PM
L34	214	L33 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 08:32 PM
L35	3124	(Location entry within) SAME (area zone bondary geo$1fence) WITH (time period) SAME (ad advert coupon) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/25 02:32 PM
L36	278	L35 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/25 02:33 PM
L37	269	(((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone) SAME (area zone bondary geo$1fence) WITH (time period) WITH threshold$3 SAME (ad advert advertisement	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	OR	ON	ON	2022/10/25 05:36 PM

		coupon)	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L38	5	L37 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/25 05:37 PM
L39	3136	(((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone) SAME (area zone bondary geo$1fence place location) WITH (remain$2 within) WITH (time period) SAME (ad advert advertisement coupon)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/25 07:32 PM
L40	573	L39 AND ((G06Q30/02 OR G06Q30/0261 OR G06Q50/01 OR G06Q30/0241 OR G06Q30/0267 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0255 OR G06Q20/3224 OR G06Q30/0205 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/21 OR H04W4/023 OR H04W4/025 OR H04W4/18).cpc.) AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/25 07:32 PM
L41	95	(((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone smartphone cellphone phone) SAME (area zone bondary geo$1fence) WITH (remain$3 within stay$3) WITH (time seconds period interval)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2022/10/26 10:44 AM

		WITH threshold SAME (ad advert advertisement coupon)	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L42	99	location near5 (advertising advertisement) SAME (area zone bondary geo$1fence) WITH (remain$3 within stay$3) WITH (time seconds period interval) AND (455/$.ccls. OR 705/$.ccls.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/26 10:47 AM
L43	2983	(((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone) SAME (area zone boundary geo$1fence place location) SAME (remain$2 within stay$3) WITH (time period interval) SAME (threshold exceed$4 expir$5) SAME (ad advert advertisement coupon)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/26 11:00 AM
L44	1366	(((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone) SAME (area zone boundary geo$1fence place location) SAME (remain$2 within stay$3) WITH (time period interval) SAME (threshold exceed$4 expir$5) SAME (transmit$4 send sent provid$3) WITH (ad advert advertisement coupon)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/26 11:00 AM
L45	538	L44 AND ((G06Q30/02 OR G06Q30/0267 OR G06Q30/0207 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2022/10/26 11:03 AM

		G06Q30/0261 OR G06Q20/322 OR G06Q30/0259 OR G06Q30/0205 OR G06Q30/0241 OR G06Q30/0251 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/023 OR H04W4/23).cpc.)	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L46	85	L45 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 11:12 AM
L47	153	location$1based near5 (ad adverts advertis$6) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone) SAME (area zone boundary geo$1fence place location) SAME (remain$2 within stay$3) WITH (time period interval)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/26 11:38 AM
L48	5	(US-17863208-$ | US-20080094256-$ | US-7133685-$ | US-7164986-$ | US-8010134-$ | US-8536999-$).DID.	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 11:42 AM
L49	8464	(ad adverts advertis$6) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone) SAME (area zone boundary geo$1fence building sector) SAME (exceed$4 more after threshold) near5 (time period interval)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/26 12:12 PM
L50	1085	(ad adverts advertis$6)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26

		SAME (((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone) SAME (area zone boundary geo$1fence building sector) SAME (exceed$4 more after threshold) near5 (time period interval)					12:12 PM
L51	343	L50 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 12:13 PM
L52	282	L51 NOT (L24 OR L22 OR L20 OR L17 OR L12 OR L6 OR L5)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 12:14 PM
L53	567	(ad adverts advertis$6) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone) SAME (area zone boundary geo$1fence building sector) SAME (pre$1set pre$1defined predetermined) near4 (time period interval)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 12:33 PM
L54	210	L53 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 12:33 PM
L55	50	(send$3 sent transmit$4 target$3) near5 (ad adverts advertis$6 promition$1 recommendation$) SAME (((mobile wireless cellular portable handheld) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone vehicle automobile) SAME (area zone boundary geo$1fence building) WITH (pre$1set pre$1defined	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 12:47 PM

		predetermined) near4 (time period interval)					
L56	122	(ad adverts advertis$6 promition$1 recommendation$) SAME (((mobile wireless cellular portable handheld) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone vehicle automobile) WITH (area zone boundary geo$1fence building geographic cell) WITH (pre$1set pre$1defined predetermined) near4 (time near3 (period interval))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 12:51 PM
L57	38	server WITH (notif$7 confirm$5 affirm$5) WITH (register$3 registration reserv$5) WITH (location position area zone boundary perimeter geo$1fence) WITH (advertisment ad advert promotion$2) WITH (sponsor advertiser)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 09:30 AM
L58	698	server SAME (notif$7 confirm$5 affirm$5) SAME (register$3 registration reserv$5) SAME (location position area zone boundary perimeter geo$1fence) SAME (advertisment ad advert promotion$2) SAME (sponsor advertiser)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 09:39 AM
L59	38	server SAME (notif$7 confirm$5 affirm$5) SAME (register$3	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 09:39 AM

		registration reserv$5) SAME (location position area zone boundary perimeter geo$1fence) SAME (advertisment ad advert promotion$2) SAME (sponsor advertiser)					
L60	17349	(ad adverts advertis$6) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone) SAME (authenticat$3 validat$3 authori$6 verif$7) SAME server	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 02:03 PM
L61	82	(ad adverts advertis$6) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone) near5(authenticat$3 validat$3 authori$6 verif$7) near5 key near6 server	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 02:03 PM
L62	437	(((mobile wireless cellular portable) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone) SAME (authenticat$3 validat$3 authori$6 verif$7) near5 key near6 ((ad advertisement content) near3 server)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 02:06 PM
L63	87	(((mobile wireless	(US-PGPUB; USPAT;	OR	ON	ON	2022/10/28

		cellular portable) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone) SAME (authenticat$3 validat$3 authori$6 verif$7) near5 key near6 ((ad advertisement content) near3 server) AND (ad adverts advertis$6 promotion$3 coupon)	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				02:06 PM
L64	72	L63 NOT L61	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 02:07 PM
L65	2907	(((mobile wireless cellular portable) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone) AND ((authenticat$3 validat$3 authori$6 verif$7) near3 key) WITH ((ad advertisement content) near3 server)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 02:23 PM
L66	400	L65 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 02:24 PM
L67	601	((authenticat$3 validat$3 authori$6 verif$7) near3 key) WITH ((ad advertisement content) near3 server) AND	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 03:35 PM

		(((@ad<="20090501" OR @rlad<="20090501"))					
L68	155	((auhenticat$3 validat$3 authori$6 verif$7) near3 key) WITH ((provid$3 send$3 sent) near3 (ad advertisement content)) SAME server AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 03:39 PM
L69	8	(((mobile wireless cellular portable handheld) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone handyphone "personal communication device") SAME ((auhenticat$3 validat$3 authori$6 verif$7) near3 key) WITH ((ad advertisement content) NEAR server)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 07:27 PM
L70	67	(((mobile wireless cellular portable handheld) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone handyphone "personal communication device") SAME ((auhenticat$3 validat$3 authori$6 verif$7) near3 key) SAME ((ad advertisement content) near2 server)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 07:28 PM
L71	4	(((mobile wireless cellular portable handheld) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone handyphone "personal communication device") SAME ((auhenticat$3 validat$3 authori$6 verif$7) near3 key) SAME ((ad advertisement content) near2 server) SAME (advertisement$1 ads	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 07:29 PM

		promotion$3)					
L72	33	(((mobile wireless cellular portable handheld) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone handyphone "personal communication device" "user equipment") SAME ((auhenticat$3 validat$3 authori$6 verif$7) near3 key) SAME ((ad advertisement content) near2 server) AND (advertisement$1 ads promotion$3)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 07:29 PM
L73	407	((auhenticat$3 validat$3 authori$6 verif$7) near3 key) WITH ((ad advertisement content) near3 server)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/29 03:35 PM
L74	223	L73 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/29 03:36 PM
L75	22	((auhenticat$3 validat$3 authori$6 verif$7) near3 key) WITH ((ad advertisement) near2 server)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/29 08:46 PM
L76	426	((("HARDIN") near3 ("Ryan")) OR (("HILL") near3 ("Andrew"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/10/31 08:32 AM
L77	350	L76 NOT KLA.as.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/31 08:33 AM
L78	298	L76 NOT KLA.as.	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/31 08:33 AM
L79	91	L76 AND	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/31

		(((@ad<="20090501" OR @rlad<="20090501"))					08:33 AM
L80	14	L79 AND ((G06Q30/02 OR G06Q30/0267 OR G06Q30/0207 OR G06Q30/0261 OR G06Q20/322 OR G06Q30/0259 OR G06Q30/0205 OR G06Q30/0241 OR G06Q30/0251 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/023 OR H04W4/23).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/31 08:34 AM
L81	32	("6810323" | "6847888" | "6867733" | "7009556" | "7080402" | "7089264" | "7096117" | "7103368" | "7124370" | "7200673" | "7207802" | "7219303" | "7814106" | "20030064705" | "20030198346" | "20040214550" | "20040220906" | "20040253965" | "20060064346" | "20070185768" | "20080004952" | "20080098420" | "20080154728" | "20080162032" | "20080163073" | "20080215524" | "20080262897" | "20080307498" | "20080313039" | "20090024476" | "20090063424" | "20100312646").pn. OR ("8977247").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/31 08:36 AM
L82	235	("6526275" | "6647257" | "6754485").pn. OR ("7103368").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/31 08:39 AM
L83	48	("6810323" | "6847888" | "6867733" | "7009556" | "7080402" | "7089264" | "7096117" | "7103368"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/31 08:40 AM

		| "7124370" | "7200673" | "7207802" | "7219303" | "7814106" | "7848765" | "8403755" | "8942995" | "9251520" | "9373116" | "20020142844" | "20030064705" | "20030101454" | "20030198346" | "20040214550" | "20040220906" | "20040253965" | "20060064346" | "20060136292" | "20060136297" | "20070112741" | "20070185768" | "20070214180" | "20080004952" | "20080098420" | "20080154728" | "20080162032" | "20080163073" | "20080215524" | "20080262897" | "20080307498" | "20080313039" | "20090024476" | "20090029721" | "20090063424" | "20090131080" | "20090197582" | "20100075697" | "20100130179" | "20100312646").pn. OR ("10984447").urpn. AND (PGPB | USPT | USOC).dbnm.					
L84	20	(((mobile wireless cellular portable android) near2 (device phone terminal station)) "user equipment" WCD MCD WTRU) WITH (remain$3 stay$3) near5 (area location region zone) WITH (period time) SAME (sent send$3 transmit$$) near5 (advert ad advertisement$1)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/02/28 01:50 PM
L85	372	(((mobile wireless cellular portable android) near2 (device	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2023/02/28 01:52 PM

		phone terminal station)) "user equipment" WCD MCD WTRU) SAME (remain$3 stay$3 within) near5 (area location region zone) WITH (period time) SAME (sent send$3 transmit$4) near5 (advert ad advertisement$1)	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L86	142	(((mobile wireless cellular portable android) near2 (device phone terminal station)) "user equipment" WCD MCD WTRU) SAME (remain$3 stay$3 within) near5 (area location region zone) WITH (period time) SAME (sent send$3 transmit$4) near5 (advert ad advertisement$1)	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28 02:05 PM
L87	34	("20040220906"|"20080098420"|"20080262897"|"20090063424"|"6810323"|"7103368"|"20030101454"|"7200673"|"7219303"|"20030198346"|"20040214550"|"20080163073"|"6847888"|"7089264"|"20030064705"|"20030198346"|"20040214550"|"20080162032"|"20100312646"|"6867733"|"7096117"|"7814106"|"20080307498"|"20090024476"|"20080004952"|"20040220906"|"20060064346"|"7009556"|"7207802"|"7219303"|"7814106"|"20030064705"|"20080154728"|"7124370"|"7207802"|"20070185768"|"7080402"|"20100312646"|"7124370"|"20040253965"|"20080004952"|"20080215524"|"20080313039"|"7200673"|"9251520").PN.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28 06:20 PM
L88	1	"8433296".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28 06:24 PM
L89	1	"10984447".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28

							06:24 PM
L90	30	"8433296" "10984447" "1049387" "9779418" "9286625" "8977247"	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28 06:25 PM
L91	22	"8433296" "10984447" "1049387" "9779418" "9286625" "8977247"	(USPAT)	OR	ON	ON	2023/02/28 06:25 PM
L92	44	("6810323" | "6847888" | "6867733" | "7009556" | "7080402" | "7089264" | "7096117" | "7103368" | "7124370" | "7200673" | "7207802" | "7219303" | "7814106" | "20030064705" | "20030198346" | "20040214550" | "20040220906" | "20040253965" | "20060064346" | "20070185768" | "20080004952" | "20080154728" | "20080162032" | "20080163073" | "20080215524" | "20080262897" | "20080307498" | "20080313039" | "20090024476" | "20090063424" | "20100312646").pn. OR ("8433296").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/28 06:25 PM
L93	1	"10984447".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28 06:26 PM
L94	48	("6810323" | "6847888" | "6867733" | "7009556" | "7080402" | "7089264" | "7096117" | "7103368" | "7124370" | "7200673" | "7207802" | "7219303" | "7814106" | "7848765" | "8403755" | "8942995" | "9251520" | "9373116" | "20020142844" | "20030064705" | "20030101454" | "20030198346" | "20040214550" | "20040220906" | "20040253965" | "20060064346" | "20060136292" | "20060136297" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/28 06:26 PM

		"20070112741" | "20070185768" | "20070214180" | "20080004952" | "20080098420" | "20080154728" | "20080162032" | "20080163073" | "20080215524" | "20080262897" | "20080307498" | "20080313039" | "20090024476" | "20090029721" | "20090063424" | "20090131080" | "20090197582" | "20100075697" | "20100130179" | "20100312646").pn. OR ("10984447").urpn. AND (PGPB | USPT | USOC).dbnm.					
L95	1	"9779418".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28 06:27 PM
L96	37	("6810323" | "6847888" | "6867733" | "7009556" | "7080402" | "7089264" | "7096117" | "7103368" | "7124370" | "7200673" | "7207802" | "7219303" | "7814106" | "9251520" | "20030064705" | "20030101454" | "20030198346" | "20040214550" | "20040220906" | "20040253965" | "20060064346" | "20070185768" | "20080004952" | "20080098420" | "20080154728" | "20080162032" | "20080163073" | "20080215524" | "20080262897" | "20080307498" | "20080313039" | "20090024476" | "20090029721" | "20090063424" | "20090131080" | "20100075697" | "20100312646").pn. OR ("9779418").urpn. AND (PGPB | USPT |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/28 06:27 PM

		USOC).dbnm.					
L97	1	"10984447".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/01 11:18 AM
L98	1	"10049387".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/01 11:20 AM
L99	1	"9779418".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/01 11:21 AM
L100	1	"9286625".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/01 11:23 AM
L101	1	"8977247".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/01 11:25 AM
L102	1	"8433296".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/01 11:27 AM
L103	1	"17863208"	(US-PGPUB; USPAT)	OR	ON	ON	2023/10/02 06:31 AM
L103	26934	(request$3 solicit$5) SAME (advert content coupon ad) SAME (location position located within) WITH (zone area section geo$1fence boundary) SAME (application app)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/20 02:42 PM
L104	184	(US-0032666-$ | US-0089288-$ | US-0116817-$ | US-0129888-$ | US-0157632-$ | US-0223494-$ | US-0270421-$ | US-10049387-$ | US-10984447-$ | US-10321264-$ | US-11082798-$ | US-11115777-$ | US-17182809-$ | US-20020107706-$ | US-20020107795-$ | US-20020123373-$ | US-20020142762-$ | US-20020169977-$ | US-20020173315-$ | US-20020183056-$ | US-20020194325-$ | US-20030051169-$ | US-20030060189-$ | US-20030061504-$ | US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/04 09:44 AM

		20030078886-$ | US- 20030139192-$ | US- 20030142039-$ | US- 20030143990-$ | US- 20040002301-$ | US- 20040058651-$ | US- 20040087347-$ | US- 20040198334-$ | US- 20040203616-$ | US- 20040203681-$ | US- 20040204719-$ | US- 20050009465-$ | US- 20050054324-$ | US- 20050055574-$ | US- 20050058067-$ | US- 20050282535-$ | US- 20060116817-$ | US- 20060223494-$ | US- 20060141993-$ | US- 20060253481-$ | US- 20060270421-$ | US- 20060281440-$ | US- 20060287958-$ | US- 20070129888-$ | US- 20070180111-$ | US- 20070244633-$ | US- 20080032666-$ | US- 20080032703-$ | US- 20080155017-$ | US- 20080182569-$ | US- 20080225815-$ | US- 20090089288-$ | US- 20090094248-$ | US- 20100173608-$ | US- 20100248709-$ | US- 20120030742-$ | US- 20120137349-$ | US- 20130072177-$ | US- 20130227667-$ | US- 20130283395-$ | US- 20160283064-$ | US- 20220103966-$ | US- 6418311-$ | US- 6449498-$ | US- 6542729-$ | US- 6542732-$ | US- 6701144-$ | US- 6721578-$ | US- 6947772-$ | US- 7054649-$ | US- 7089264-$ | US- 7065388-$ | US- 7092964-$ | US- 7096004-$ | US- 7099663-$ | US- 7219145-$ | US- 7536172-$ | US- 7610048-$ | US-					

		7684792-$ | US-7734285-$ | US-7743407-$ | US-7769767-$ | US-7814106-$ | US-7848765-$ | US-7921287-$ | US-8219115-$ | US-8112076-$ | US-8249577-$ | US-8326315-$ | US-8374628-$ | US-8385944-$ | US-8588766-$ | US-8644847-$ | US-8660613-$ | US-8862150-$ | US-8909248-$ | US-9286625-$ | US-9779418-$ | US-9122542-$ | US-9270818-$ | US-9654923-$ | US-9668096-$ | US-9936347-$ | US-RE45780-$ | US-RE48001-$ | US-20090157632-$).DID.					
L104	475	(request$3 register$3 registration) WITH (server "service provider" provider) WITH (geo$1fence coordinate$1 perimeter radius) SAME (ad ads advert$1 advertisment$1)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 09:26 AM
L105	168	(request$3 register$3 registration) WITH (server "service provider" provider) WITH (geo$1fence coordinate$1 perimeter radius) SAME (ad ads advert$1 advertisment$1) AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2023/10/02 09:26 AM

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L105	48	(US-17182809-$ | US-20020142844-$ | US-20030064705-$ | US-20030101454-$ | US-20030198346-$ | US-20040214550-$ | US-20040220906-$ | US-20040253965-$ | US-20060064346-$ | US-20060136292-$ | US-20060136297-$ | US-20070112741-$ | US-20070185768-$ | US-20070214180-$ | US-20080004952-$ | US-20080098420-$ | US-20080154728-$ | US-20080162032-$ | US-20080163073-$ | US-20080215524-$ | US-20080262897-$ | US-20080307498-$ | US-20080313039-$ | US-20090024476-$ | US-20090029721-$ | US-20090063424-$ | US-20090131080-$ | US-20090197582-$ | US-20100075697-$ | US-20100130179-$ | US-20100312646-$ | US-6810323-$ | US-6847888-$ | US-6867733-$ | US-7009556-$ | US-7080402-$ | US-7089264-$ | US-7096117-$ | US-7103368-$ | US-7124370-$ | US-7200673-$ | US-7207802-$ | US-7219303-$ | US-7814106-$ | US-7848765-$ | US-8403755-$ | US-8942995-$ | US-9251520-$ | US-9373116-$).DID.	(US-PGPUB; USPAT)	OR	ON	ON	2023/10/04 09:44 AM
L106	115	(sponsor$1 advertiser$1 party) SAME (request$3 register$3 registration) SAME (server "service	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2023/10/02 09:40 AM

		provider" provider) WITH (geo$1fence coordinate$1 perimeter radius) SAME (ad ads advert$1 advertisment$1) AND ((@ad<="20090501" OR @rlad<="20090501"))	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L106	12751	L103 AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/20 02:43 PM
L107	23	(sponsor$1 advertiser$1 party) SAME (request$3 register$3 registration) SAME (server "service provider" provider) WITH (geo$1fence coordinate$1 perimeter radius) SAME (ad ads advert$1 advertisment$1) AND ((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/02 09:40 AM
L107	1604	L103 AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 02:43 PM
L108	0	(sponsor$4 advertiser$1 party business$2 entit$3) near5 (request$3 register$3 registration) near5 (ad ads advert$1 advertisment$1) near6 (geo$1fence coordinate$1 perimeter radius (longitude AND latitude)) AND ((@ad<="20090501" OR	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/02 09:51 AM

		@rlad<="20090501"))					
L108	8004	(request$3 solicit$5) SAME (advert content coupon ad) SAME (location position located within) WITH (zone area section geo$1fence boundary) SAME (application app) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/20 02:46 PM
L109	273	L106 AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 02:46 PM
L109	4	(sponsor$4 advertiser$1 party business$2 entit$3) near5 (request$3 register$3 registration) near5 (ad ads advert$1 advertisment$1) near6 (geo$1fence coordinate$1 perimeter radius (longitude AND latitude))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/02 09:52 AM
L110	55	(sponsor advertiser) WITH (request$3 solicit$5) SAME (advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program) AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 02:50 PM
L110	185	(sponsor$4 advertiser$1 party business$2) WITH (ad ads advert$1 advertisment$1) WITH (geo$1fence coordinate$1 perimeter radius (longitude AND latitude)) SAME (server "service provider" provider)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/02 09:58 AM

L111	115	L110 AND ((G06Q30/02 OR G06Q30/0277 OR G06Q30/0269 OR G06Q30/0261 OR G06Q30/0241 OR G06Q30/0207 OR G06Q30/0276 OR G06Q30/0272 OR G06Q30/0266 OR G06Q30/0251 OR G06Q30/0264 OR H04W4/029 OR H04W4/21 OR H04W4/02).cpc.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/02 10:30 AM
L111	584	(sponsor advertiser) SAME (advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program) AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 04:21 PM
L112	12	(sponsor$4 advertiser$1 party business$2) WITH (ad ads advert$1 advertisment$1) WITH geo$1fence SAME (server "service provider" provider server)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 10:34 AM
L112	0	(sponsor advertiser) SAME (advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program) AND (H04W.cpc. OR G06Q.cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 04:21 PM

L113	0	(sponsor advertiser) SAME (advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program) AND (H04W/$.cpc. OR G06Q/$.cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 04:22 PM
L113	188	(sponsor$4 advertiser$1 party business$2) SAME (ad ads advert$1 advertisment$1) SAME geo$1fence	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 10:35 AM
L114	0	register$3 near3 (ad ads advert$1 advertisment$1) WITH geo$1fence	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 12:26 PM
L114	1497	(sponsor advertiser) SAME (advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program) AND (H04W$.cpc. OR	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 04:22 PM

		G06Q$.cpc.)					
L115	321	(ad ads advert$1 advertisment$1) WITH geo$1fence	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 12:26 PM
L115	1216	(request$3 solicit$5) SAME (advert content coupon ad) SAME (location position located within) WITH (zone area section geo$1fence boundary) SAME (application app) SAME (((wireless mobile portable cellular RF hand$1held hand) ADJ (phone node$1 telephone device equipment apparatus user unit subscriber radio terminal station)) OR radio$1phone OR radio$1telephone OR cell$1phone OR (terminal ADJ (unit equipment)) OR telephone OR hand$2phone OR hand$1set OR (subscriber ADJ (unit$1 terminal$1)) OR (user ADJ equipment) MCU WCD PDA "mobile communication device" "wireless communication device" "mobile communication unit" "personal digital assistant" WTRU (subscriber NEAR station$1) smart$1phone$1 "portable communication device" "portable	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 04:24 PM

		communication unit" "wireless communication device" laptop tablet "UE" "user equipment") AND (H04W$.cpc. OR G06Q$.cpc.)					
L116	2	(ad ads advert$1 advertisment$1) WITH geo$1fence AND ((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 12:26 PM
L116	281	L113 AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/20 04:24 PM
L117	75	(party sponsor$4 business advertiser$1) SAME (server "service provider" provider) SAME (ad ads advert$1 advertisment$1) WITH (perimeter radius) AND ((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 12:47 PM
L117	10696	(sponsor advertiser business) SAME (request$3 solicit$5 delivery instruct$4) SAME (advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2022/10/24 11:56 AM

			IBM_TDB)				
L118	150	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) SAME ((inclin$5 elevation) near3 angle) WITH (chang$3 increas$3) SAME (antenna lobe)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 09:46 AM
L118	3055	L115 AND ((G06Q30/02 OR G06Q30/0261 OR G06Q50/01 OR G06Q30/0241 OR G06Q30/0267 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0255 OR G06Q20/3224 OR G06Q30/0205 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/21 OR H04W4/023 OR H04W4/025 OR H04W4/18).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 11:58 AM
L119	1099	L115 AND ((G06Q30/02 OR G06Q30/0261 OR G06Q50/01 OR G06Q30/0241 OR G06Q30/0267 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0255 OR G06Q20/3224 OR G06Q30/0205 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/21 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2022/10/24 12:04 PM

		H04W4/023 OR H04W4/025 OR H04W4/18).cpc.) AND (@ad<="20090501" OR @rlad<="20090501")	IBM_TDB)				
L119	34	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) SAME ((inclin$5 elevation) near3 angle) WITH (chang$3 increas$3) SAME (antenna lobe)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/03 09:47 AM
L120	2	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) SAME ((inclin$5 elevation) near3 angle) WITH (chang$3 increas$3 dynamic$4 adpative$2) WITH ("main lobe" "main beam")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 09:57 AM
L120	1377	(sponsor advertiser business) WITH (request$3 solicit$5 instruct$4) WITH	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/10/24 12:05 PM

		(advert advertisement content coupon ad) SAME (location position located within coordinate$1) WITH (zone area section geo$1fence boundary) SAME (application app program)	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L121	250	L118 AND ((G06Q30/02 OR G06Q30/0261 OR G06Q50/01 OR G06Q30/0241 OR G06Q30/0267 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0255 OR G06Q20/3224 OR G06Q30/0205 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/21 OR H04W4/023 OR H04W4/025 OR H04W4/18).cpc.) AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 12:05 PM
L121	20	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) SAME ((inclin$5 elevation) near3 angle) SAME (chang$3 increas$3 dynamic$4 adpative$2) SAME ("main lobe" "main beam")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 09:57 AM

L122	98	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) AND ((inclin$5 elevation) near3 angle) SAME (chang$3 increas$3 dynamic$4 adaptive$2) SAME ("main lobe" "main beam")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 09:59 AM
L122	1	("20060212179").PN.	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 12:38 PM
L123	22	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) AND ((inclin$5 elevation) near3 angle) SAME (chang$3 increas$3 dynamic$4 adaptive$2) near7 ("main lobe" "main beam")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 10:00 AM
L123	4	("20030198346"|"20060136292"|"20090197582"|"20100130179").PN.	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 12:40 PM
L124	303	(sponsor$1 advertiser business$2) WITH	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2022/10/24 01:04 PM

		(request$3 solicit$5 instruct$4 register$3 registration) near5 (server manager platform system) WITH (advert advertisement content coupon ad promotion$1 coupon$1) SAME (zone area section geo$1fence boundary perimeter) SAME ((specific mobile device phone) near3 (application app program))	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L124	4	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) AND ((inclin$5 elevation) near3 angle) SAME (chang$3 increas$3 dynamic$4 adaptive$2) near7 ("main lobe" "main beam")	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/03 10:00 AM
L125	99	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/03 10:01 AM

		aircraft airplane aeroplane))) AND ((inclin$5 elevation) near3 angle) SAME ("main lobe" "main beam")					
L125	3378	(sponsor$1 advertiser business$2) SAME (server manager platform system) WITH (advert advertisement content coupon ad promotion$1 coupon$1) SAME (location coordinates zone area section geo$1fence boundary perimeter) SAME ((download$4 install$5) near3 (application app program))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 01:10 PM
L126	70	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) AND ((inclin$5 elevation) near3 angle) SAME (chang$3 increas$3 dynamic$4 adaptive$2 high$2 increment$3) near8 ("main lobe" "main beam" lobe)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 10:16 AM
L126	97	L123 AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 01:10 PM
L127	606	(sponsor$1 advertiser business$2) WITH (request$3 solicit$5 instruct$4 register$3 registration) WITH (advert advertisement	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2022/10/24 01:37 PM

		content coupon ad promotion$1 coupon$1) WITH (geographic zone area section geo$1fence boundary perimeter) SAME ((specific mobile device phone particular) near3 (application app program))	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L127	109	(drone$1 ((aerial airborne) near3 (UE vehicle))(autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) AND ((inclin$5 elevation) near3 angle) WITH (chang$3 increas$3 dynamic$4 adaptive$2 high$2 increment$3 adjust$4) WITH ("main lobe" "main beam" lobe)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 10:48 AM
L128	3184	((inclin$5 elevation) near3 angle) WITH (chang$3 increas$3 dynamic$4 adaptive$2 high$2 increment$3 adjust$4) WITH ("main lobe" "main beam" lobe)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 10:53 AM
L128	44	L125 AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 01:38 PM

L129	6761	(sponsor$1 advertiser business$2) SAME server SAME (advert advertisement content coupon ad promotion$1 coupon$1) WITH (geographic zone area section geo$1fence boundary perimeter GPS coordinates) SAME (time period) AND ((specific mobile device phone particular) near3 (application app program))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 01:44 PM
L129	13	"17182809"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 10:57 AM
L130	251	((inclin$5 elevation) near3 angle) WITH (chang$3 increas$3 dynamic$4 adaptive$2 high$2 increment$3 adjust$4) WITH ("main lobe" "main beam" lobe)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/03 10:57 AM
L130	620	L127 AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 01:44 PM
L131	19	up$1tilt SAME ("main lobe" "main beam")	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/03 11:06 AM
L131	2687	L128 NOT (L126 OR L124 OR L122 OR L119 OR L114 OR L108 OR L107)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK,	OR	ON	ON	2022/10/24 01:45 PM

			TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L132	0	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane)) aeroplane airplane aircraft jet airliner) SAME (chang$3 increas$3 dynamic$4 adaptive$2 high$2 increment$3) near6 up$1tilt	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 11:39 AM
L132	578	L128 NOT (L126 OR L124 OR L122 OR L119 OR L114 OR L108 OR L107)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 01:45 PM
L133	45	(US-10602307-$ | US-10667080-$ | US-10691677-$ | US-10708712-$ | US-10721587-$ | US-10728697-$ | US-10728698-$ | US-10728699-$ | US-11044575-$ | US-11070936-$ | US-17182809-$ | US-20040097244-$ | US-20060116817-$ | US-20070129888-$ | US-20070219708-$ | US-20090135805-$ | US-20090157632-$ | US-20090186595-$ | US-20090191860-$ | US-20100042320-$ | US-20120126974-$ | US-20120129553-$ | US-20150005017-$ | US-20150065177-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/10/04 07:47 AM

		20150148078-$ | US-20150163632-$ | US-20150382141-$ | US-20180124564-$ | US-20190373402-$ | US-20190373406-$ | US-20190380000-$ | US-20190380001-$ | US-20190380002-$ | US-20200112821-$ | US-20200112822-$ | US-20200112823-$ | US-20200112824-$ | US-20200112825-$ | US-20200120442-$ | US-7519470-$ | US-7577522-$ | US-7627425-$ | US-8165079-$ | US-8750101-$ | US-8761714-$ | US-8868581-$).DID.					
L133	112	(sponsor$1 advertiser business$2) SAME server SAME (advert advertisement content coupon ad promotion$1 coupon$1) WITH geo$1cod$3 SAME (geographic zone area section geo$1fence boundary perimeter GPS coordinates)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 02:01 PM
L134	184	(US-0032666-$ | US-0089288-$ | US-0116817-$ | US-0129888-$ | US-0157632-$ | US-0223494-$ | US-0270421-$ | US-10049387-$ | US-10984447-$ | US-10321264-$ | US-11082798-$ | US-11115777-$ | US-17182809-$ | US-20020107706-$ | US-20020107795-$ | US-20020123373-$ | US-20020142762-$ | US-20020169977-$ | US-20020173315-$ | US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/04 08:44 AM

		20020183056-$ | US- 20020194325-$ | US- 20030051169-$ | US- 20030060189-$ | US- 20030061504-$ | US- 20030078886-$ | US- 20030139192-$ | US- 20030142039-$ | US- 20030143990-$ | US- 20040002301-$ | US- 20040058651-$ | US- 20040087347-$ | US- 20040198334-$ | US- 20040203616-$ | US- 20040203681-$ | US- 20040204719-$ | US- 20050009465-$ | US- 20050054324-$ | US- 20050055574-$ | US- 20050058067-$ | US- 20050282535-$ | US- 20060116817-$ | US- 20060223494-$ | US- 20060141993-$ | US- 20060253481-$ | US- 20060270421-$ | US- 20060281440-$ | US- 20060287958-$ | US- 20070129888-$ | US- 20070180111-$ | US- 20070244633-$ | US- 20080032666-$ | US- 20080032703-$ | US- 20080155017-$ | US- 20080182569-$ | US- 20080225815-$ | US- 20090089288-$ | US- 20090094248-$ | US- 20100173608-$ | US- 20100248709-$ | US- 20120030742-$ | US- 20120137349-$ | US- 20130072177-$ | US- 20130227667-$ | US- 20130283395-$ | US- 20160283064-$ | US- 20220103966-$ | US- 6418311-$ | US- 6449498-$ | US- 6542729-$ | US- 6542732-$ | US- 6701144-$ | US- 6721578-$ | US- 6947772-$ | US- 7054649-$ | US- 7089264-$ | US- 7065388-$ | US- 7092964-$ | US-					

		7096004-$ | US-7099663-$ | US-7219145-$ | US-7536172-$ | US-7610048-$ | US-7684792-$ | US-7734285-$ | US-7743407-$ | US-7769767-$ | US-7814106-$ | US-7848765-$ | US-7921287-$ | US-8219115-$ | US-8112076-$ | US-8249577-$ | US-8326315-$ | US-8374628-$ | US-8385944-$ | US-8588766-$ | US-8644847-$ | US-8660613-$ | US-8862150-$ | US-8909248-$ | US-9286625-$ | US-9779418-$ | US-9122542-$ | US-9270818-$ | US-9654923-$ | US-9668096-$ | US-9936347-$ | US-RE45780-$ | US-RE48001-$ | US-20090157632-$).DID.					
L134	1	"12144538"	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 02:05 PM
L135	2117	(sponsor advertiser business) WITH (request$3 solicit$5 instruct$4 register$3 registration) near5 (advert advertisement content coupon ad) SAME (location position located within coordinate$1 GPS) WITH (zone area section geo$1fence boundary perimeter)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/24 02:25 PM
L136	194	L133 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 02:26 PM
L137	9387	(sponsor$1 advertiser business$2) SAME	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2022/10/24 08:31 PM

		(register$3 registration request$3) SAME server SAME (advert advertisement content coupon ad promotion$1 coupon$1) SAME (geo$1cod$3 geographic zone area section geo$1fence boundary perimeter GPS coordinates) SAME (((mobile wireless cellular portable) near2 (device terminal phone unit)) smartphone cellphone PDA WTRU "user equipment" WCD)	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L138	214	L135 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/24 08:32 PM
L139	3124	(Location entry within) SAME (area zone bondary geo$1fence) WITH (time period) SAME (ad advert coupon) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/25 02:32 PM
L140	278	L137 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/25 02:33 PM
L141	269	(((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone) SAME (area zone bondary geo$1fence) WITH (time period) WITH threshold$3 SAME (ad advert advertisement coupon)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2022/10/25 05:36 PM

			IBM_TDB)				
L142	5	L139 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/25 05:37 PM
L143	3136	(((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone) SAME (area zone bondary geo$1fence place location) WITH (remain$2 within) WITH (time period) SAME (ad advert advertisement coupon)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/25 07:32 PM
L144	573	L141 AND ((G06Q30/02 OR G06Q30/0261 OR G06Q50/01 OR G06Q30/0241 OR G06Q30/0267 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0255 OR G06Q20/3224 OR G06Q30/0205 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/21 OR H04W4/023 OR H04W4/025 OR H04W4/18).cpc.) AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/25 07:32 PM
L145	95	(((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone smartphone cellphone phone) SAME (area zone bondary geo$1fence) WITH (remain$3 within stay$3) WITH (time seconds period interval) WITH threshold SAME (ad advert advertisement coupon)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/26 10:44 AM

L146	99	location near5 (advertising advertisement) SAME (area zone bondary geo$1fence) WITH (remain$3 within stay$3) WITH (time seconds period interval) AND (455/$.ccls. OR 705/$.ccls.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/26 10:47 AM
L147	2983	(((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone) SAME (area zone boundary geo$1fence place location) SAME (remain$2 within stay$3) WITH (time period interval) SAME (threshold exceed$4 expir$5) SAME (ad advert advertisement coupon)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/26 11:00 AM
L148	1366	(((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone) SAME (area zone boundary geo$1fence place location) SAME (remain$2 within stay$3) WITH (time period interval) SAME (threshold exceed$4 expir$5) SAME (transmit$4 send sent provid$3) WITH (ad advert advertisement coupon)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/26 11:00 AM
L149	538	L146 AND ((G06Q30/02 OR G06Q30/0267 OR G06Q30/0207 OR G06Q30/0261 OR G06Q20/322 OR G06Q30/0259 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2022/10/26 11:03 AM

		G06Q30/0205 OR G06Q30/0241 OR G06Q30/0251 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/023 OR H04W4/23).cpc.)	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L150	85	L147 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 11:12 AM
L151	153	location$1based near5 (ad adverts advertis$6) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone) SAME (area zone boundary geo$1fence place location) SAME (remain$2 within stay$3) WITH (time period interval)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/26 11:38 AM
L152	5	(US-17863208-$ | US-20080094256-$ | US-7133685-$ | US-7164986-$ | US-8010134-$ | US-8536999-$).DID.	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 11:42 AM
L153	8464	(ad adverts advertis$6) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone) SAME (area zone boundary geo$1fence building sector) SAME (exceed$4 more after threshold) near5 (time period interval)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/26 12:12 PM
L154	1085	(ad adverts advertis$6) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 12:12 PM

		PDA WTRU WCD cell$1phone vehicle smartphone phone) SAME (area zone boundary geo$1fence building sector) SAME (exceed$4 more after threshold) near5 (time period interval)					
L155	343	L152 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 12:13 PM
L156	282	L153 NOT (L126 OR L124 OR L122 OR L119 OR L114 OR L108 OR L107)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 12:14 PM
L157	567	(ad adverts advertis$6) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone) SAME (area zone boundary geo$1fence building sector) SAME (pre$1set pre$1defined predetermined) near4 (time period interval)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 12:33 PM
L158	210	L155 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 12:33 PM
L159	50	(send$3 sent transmit$4 target$3) near5 (ad adverts advertis$6 promition$1 recommendation$) SAME (((mobile wireless cellular portable handheld) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone vehicle automobile) SAME (area zone boundary geo$1fence building) WITH (pre$1set pre$1defined predetermined) near4 (time period interval)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26 12:47 PM
L160	122	(ad adverts advertis$6	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/26

		promition$1 recommendation$) SAME (((mobile wireless cellular portable handheld) near2 (device phone terminal unit)) PDA WTRU WCD cell$1phone vehicle smartphone phone vehicle automobile) WITH (area zone boundary geo$1fence building geographic cell) WITH (pre$1set pre$1defined predetermined) near4 (time near3 (period interval))					12:51 PM
L161	38	server WITH (notif$7 confirm$5 affirm$5) WITH (register$3 registration reserv$5) WITH (location position area zone boundary perimeter geo$1fence) WITH (advertisment ad advert promotion$2) WITH (sponsor advertiser)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 09:30 AM
L162	698	server SAME (notif$7 confirm$5 affirm$5) SAME (register$3 registration reserv$5) SAME (location position area zone boundary perimeter geo$1fence) SAME (advertisment ad advert promotion$2) SAME (sponsor advertiser)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 09:39 AM
L163	38	server SAME (notif$7 confirm$5 affirm$5) SAME (register$3 registration reserv$5) SAME (location position area zone boundary	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 09:39 AM

		perimeter geo$1fence) SAME (advertisment ad advert promotion$2) SAME (sponsor advertiser)					
L164	17349	(ad adverts advertis$6) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone) SAME (authenticat$3 validat$3 authori$6 verif$7) SAME server	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 02:03 PM
L165	82	(ad adverts advertis$6) SAME (((mobile wireless cellular portable) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone) near5(authenticat$3 validat$3 authori$6 verif$7) near5 key near6 server	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 02:03 PM
L166	437	(((mobile wireless cellular portable) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone) SAME (authenticat$3 validat$3 authori$6 verif$7) near5 key near6 ((ad advertisement content) near3 server)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 02:06 PM
L167	87	(((mobile wireless cellular portable) near2 (device phone terminal unit client)) PDA WTRU	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/10/28 02:06 PM

		WCD cell$1phone smartphone phone) SAME (authenticat$3 validat$3 authori$6 verif$7) near5 key near6 ((ad advertisement content) near3 server) AND (ad adverts advertis$6 promotion$3 coupon)	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L168	72	L165 NOT L163	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 02:07 PM
L169	2907	(((mobile wireless cellular portable) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone) AND ((authenticat$3 validat$3 authori$6 verif$7) near3 key) WITH ((ad advertisement content) near3 server)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/28 02:23 PM
L170	400	L167 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 02:24 PM
L171	601	((authenticat$3 validat$3 authori$6 verif$7) near3 key) WITH ((ad advertisement content) near3 server) AND (((@ad<="20090501" OR	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 03:35 PM

		@rlad<="20090501"))					
L172	155	((auhenticat$3 validat$3 authori$6 verif$7) near3 key) WITH ((provid$3 send$3 sent) near3 (ad advertisement content)) SAME server AND (@ad<="20090501" OR @rlad<="20090501")	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 03:39 PM
L173	8	(((mobile wireless cellular portable handheld) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone handyphone "personal communication device") SAME ((auhenticat$3 validat$3 authori$6 verif$7) near3 key) WITH ((ad advertisement content) NEAR server)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 07:27 PM
L174	67	(((mobile wireless cellular portable handheld) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone handyphone "personal communication device") SAME ((auhenticat$3 validat$3 authori$6 verif$7) near3 key) SAME ((ad advertisement content) near2 server)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 07:28 PM
L175	4	(((mobile wireless cellular portable handheld) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone handyphone "personal communication device") SAME ((auhenticat$3 validat$3 authori$6 verif$7) near3 key) SAME ((ad advertisement content) near2 server) SAME (advertisement$1 ads promotion$3)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 07:29 PM

L176	33	(((mobile wireless cellular portable handheld) near2 (device phone terminal unit client)) PDA WTRU WCD cell$1phone smartphone phone handyphone "personal communication device" "user equipment") SAME ((auhenticat$3 validat$3 authori$6 verif$7) near3 key) SAME ((ad advertisement content) near2 server) AND (advertisement$1 ads promotion$3)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/28 07:29 PM
L177	407	((auhenticat$3 validat$3 authori$6 verif$7) near3 key) WITH ((ad advertisement content) near3 server)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/29 03:35 PM
L178	223	L175 AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/29 03:36 PM
L179	22	((auhenticat$3 validat$3 authori$6 verif$7) near3 key) WITH ((ad advertisement) near2 server)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/29 08:46 PM
L180	426	((("HARDIN") near3 ("Ryan")) OR (("HILL") near3 ("Andrew"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/10/31 08:32 AM
L181	350	L178 NOT KLA.as.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/31 08:33 AM
L182	298	L178 NOT KLA.as.	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/31 08:33 AM
L183	91	L178 AND (((@ad<="20090501" OR	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/31 08:33 AM

		@rlad<="20090501"))					
L184	14	L181 AND ((G06Q30/02 OR G06Q30/0267 OR G06Q30/0207 OR G06Q30/0261 OR G06Q20/322 OR G06Q30/0259 OR G06Q30/0205 OR G06Q30/0241 OR G06Q30/0251 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/023 OR H04W4/23).cpc.)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/10/31 08:34 AM
L185	32	("6810323" | "6847888" | "6867733" | "7009556" | "7080402" | "7089264" | "7096117" | "7103368" | "7124370" | "7200673" | "7207802" | "7219303" | "7814106" | "20030064705" | "20030198346" | "20040214550" | "20040220906" | "20040253965" | "20060064346" | "20070185768" | "20080004952" | "20080098420" | "20080154728" | "20080162032" | "20080163073" | "20080215524" | "20080262897" | "20080307498" | "20080313039" | "20090024476" | "20090063424" | "20100312646").pn. OR ("8977247").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/31 08:36 AM
L186	235	("6526275" | "6647257" | "6754485").pn. OR ("7103368").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/31 08:39 AM
L187	48	("6810323" | "6847888" | "6867733" | "7009556" | "7080402" | "7089264" | "7096117" | "7103368" | "7124370" | "7200673" | "7207802" | "7219303"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/31 08:40 AM

		| "7814106" | "7848765" | "8403755" | "8942995" | "9251520" | "9373116" | "20020142844" | "20030064705" | "20030101454" | "20030198346" | "20040214550" | "20040220906" | "20040253965" | "20060064346" | "20060136292" | "20060136297" | "20070112741" | "20070185768" | "20070214180" | "20080004952" | "20080098420" | "20080154728" | "20080162032" | "20080163073" | "20080215524" | "20080262897" | "20080307498" | "20080313039" | "20090024476" | "20090029721" | "20090063424" | "20090131080" | "20090197582" | "20100075697" | "20100130179" | "20100312646").pn. OR ("10984447").urpn. AND (PGPB | USPT | USOC).dbnm.					
L188	20	(((mobile wireless cellular portable android) near2 (device phone terminal station)) "user equipment" WCD MCD WTRU) WITH (remain$3 stay$3) near5 (area location region zone) WITH (period time) SAME (sent send$3 transmit$$) near5 (advert ad advertisement$1)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/02/28 01:50 PM
L189	372	(((mobile wireless cellular portable android) near2 (device phone terminal station)) "user equipment" WCD	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2023/02/28 01:52 PM

		MCD WTRU) SAME (remain$3 stay$3 within) near5 (area location region zone) WITH (period time) SAME (sent send$3 transmit$4) near5 (advert ad advertisement$1)	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L190	142	(((mobile wireless cellular portable android) near2 (device phone terminal station)) "user equipment" WCD MCD WTRU) SAME (remain$3 stay$3 within) near5 (area location region zone) WITH (period time) SAME (sent send$3 transmit$4) near5 (advert ad advertisement$1)	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28 02:05 PM
L191	34	("20040220906"|"20080098420"|"20080262897"|"20090063424"|"6810323"|"7103368"|"20030101454"|"7200673"|"7219303"|"20030198346"|"20040214550"|"20080163073"|"6847888"|"7089264"|"20030064705"|"20030198346"|"20040214550"|"20080162032"|"20100312646"|"6867733"|"7096117"|"7814106"|"20080307498"|"20090024476"|"20080004952"|"20040220906"|"20060064346"|"7009556"|"7207802"|"7219303"|"7814106"|"20030064705"|"20080154728"|"7124370"|"7207802"|"20070185768"|"7080402"|"20100312646"|"7124370"|"20040253965"|"20080004952"|"20080215524"|"20080313039"|"7200673"|"9251520").PN.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28 06:20 PM
L192	1	"8433296".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28 06:24 PM
L193	1	"10984447".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28 06:24 PM

L194	30	"8433296" "10984447" "1049387" "9779418" "9286625" "8977247"	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28 06:25 PM
L195	22	"8433296" "10984447" "1049387" "9779418" "9286625" "8977247"	(USPAT)	OR	ON	ON	2023/02/28 06:25 PM
L196	44	("6810323" | "6847888" | "6867733" | "7009556" | "7080402" | "7089264" | "7096117" | "7103368" | "7124370" | "7200673" | "7207802" | "7219303" | "7814106" | "20030064705" | "20030198346" | "20040214550" | "20040220906" | "20040253965" | "20060064346" | "20070185768" | "20080004952" | "20080154728" | "20080162032" | "20080163073" | "20080215524" | "20080262897" | "20080307498" | "20080313039" | "20090024476" | "20090063424" | "20100312646").pn. OR ("8433296").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/28 06:25 PM
L197	1	"10984447".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28 06:26 PM
L198	48	("6810323" | "6847888" | "6867733" | "7009556" | "7080402" | "7089264" | "7096117" | "7103368" | "7124370" | "7200673" | "7207802" | "7219303" | "7814106" | "7848765" | "8403755" | "8942995" | "9251520" | "9373116" | "20020142844" | "20030064705" | "20030101454" | "20030198346" | "20040214550" | "20040220906" | "20040253965" | "20060064346" | "20060136292" | "20060136297" | "20070112741" | "20070185768" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/28 06:26 PM

		"20070214180" | "20080004952" | "20080098420" | "20080154728" | "20080162032" | "20080163073" | "20080215524" | "20080262897" | "20080307498" | "20080313039" | "20090024476" | "20090029721" | "20090063424" | "20090131080" | "20090197582" | "20100075697" | "20100130179" | "20100312646").pn. OR ("10984447").urpn. AND (PGPB | USPT | USOC).dbnm.					
L199	1	"9779418".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/28 06:27 PM
L200	37	("6810323" | "6847888" | "6867733" | "7009556" | "7080402" | "7089264" | "7096117" | "7103368" | "7124370" | "7200673" | "7207802" | "7219303" | "7814106" | "9251520" | "20030064705" | "20030101454" | "20030198346" | "20040214550" | "20040220906" | "20040253965" | "20060064346" | "20070185768" | "20080004952" | "20080098420" | "20080154728" | "20080162032" | "20080163073" | "20080215524" | "20080262897" | "20080307498" | "20080313039" | "20090024476" | "20090029721" | "20090063424" | "20090131080" | "20100075697" | "20100312646").pn. OR ("9779418").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/28 06:27 PM
L201	1	"10984447".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/01

							11:18 AM
L202	1	"10049387".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/01 11:20 AM
L203	1	"9779418".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/01 11:21 AM
L204	1	"9286625".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/01 11:23 AM
L205	1	"8977247".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/01 11:25 AM
L206	1	"8433296".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/03/01 11:27 AM
L207	1	"17863208"	(US-PGPUB; USPAT)	OR	ON	ON	2023/10/02 06:31 AM
L208	475	(request$3 register$3 registration) WITH (server "service provider" provider) WITH (geo$1fence coordinate$1 perimeter radius) SAME (ad ads advert$1 advertisment$1)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 09:26 AM
L209	168	(request$3 register$3 registration) WITH (server "service provider" provider) WITH (geo$1fence coordinate$1 perimeter radius) SAME (ad ads advert$1 advertisment$1) AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 09:26 AM
L210	115	(sponsor$1 advertiser$1 party) SAME (request$3 register$3 registration) SAME (server "service provider" provider) WITH (geo$1fence coordinate$1 perimeter radius) SAME (ad ads advert$1	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	OR	ON	ON	2023/10/02 09:40 AM

		advertisment$1) AND (((@ad<="20090501" OR @rlad<="20090501"))	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L211	23	(sponsor$1 advertiser$1 party) SAME (request$3 register$3 registration) SAME (server "service provider" provider) WITH (geo$1fence coordinate$1 perimeter radius) SAME (ad ads advert$1 advertisment$1) AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/02 09:40 AM
L212	0	(sponsor$4 advertiser$1 party business$2 entit$3) near5 (request$3 register$3 registration) near5 (ad ads advert$1 advertisment$1) near6 (geo$1fence coordinate$1 perimeter radius (longitude AND latitude)) AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/02 09:51 AM
L213	4	(sponsor$4 advertiser$1 party business$2 entit$3) near5 (request$3 register$3 registration) near5 (ad ads advert$1 advertisment$1) near6 (geo$1fence coordinate$1 perimeter radius (longitude AND latitude))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/02 09:52 AM
L214	185	(sponsor$4 advertiser$1 party business$2) WITH (ad ads advert$1 advertisment$1) WITH (geo$1fence coordinate$1 perimeter radius (longitude AND latitude)) SAME (server "service provider" provider)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/02 09:58 AM

L215	115	L212 AND ((G06Q30/02 OR G06Q30/0277 OR G06Q30/0269 OR G06Q30/0261 OR G06Q30/0241 OR G06Q30/0207 OR G06Q30/0276 OR G06Q30/0272 OR G06Q30/0266 OR G06Q30/0251 OR G06Q30/0264 OR H04W4/029 OR H04W4/21 OR H04W4/02).cpc.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/02 10:30 AM
L216	12	(sponsor$4 advertiser$1 party business$2) WITH (ad ads advert$1 advertisment$1) WITH geo$1fence SAME (server "service provider" provider server)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 10:34 AM
L217	188	(sponsor$4 advertiser$1 party business$2) SAME (ad ads advert$1 advertisment$1) SAME geo$1fence	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 10:35 AM
L218	0	register$3 near3 (ad ads advert$1 advertisment$1) WITH geo$1fence	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	OR	ON	ON	2023/10/02 12:26 PM

			PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L219	321	(ad ads advert$1 advertisment$1) WITH geo$1fence	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 12:26 PM
L220	2	(ad ads advert$1 advertisment$1) WITH geo$1fence AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 12:26 PM
L221	75	(party sponsor$4 business advertiser$1) SAME (server "service provider" provider) SAME (ad ads advert$1 advertisment$1) WITH (perimeter radius) AND (((@ad<="20090501" OR @rlad<="20090501"))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/02 12:47 PM
L222	150	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2023/10/03 09:46 AM

		aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) SAME ((inclin$5 elevation) near3 angle) WITH (chang$3 increas$3) SAME (antenna lobe)	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L223	34	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) SAME ((inclin$5 elevation) near3 angle) WITH (chang$3 increas$3) SAME (antenna lobe)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/03 09:47 AM
L224	2	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	OR	ON	ON	2023/10/03 09:57 AM

		(unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) SAME ((inclin$5 elevation) near3 angle) WITH (chang$3 increas$3 dynamic$4 adpative$2) WITH ("main lobe" "main beam")	JPO; DERWENT; IBM_TDB)				
L225	20	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) SAME ((inclin$5 elevation) near3 angle) SAME (chang$3 increas$3 dynamic$4 adpative$2) SAME ("main lobe" "main beam")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 09:57 AM
L226	98	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) AND ((inclin$5 elevation) near3 angle) SAME	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 09:59 AM

		(chang$3 increas$3 dynamic$4 adaptive$2) SAME ("main lobe" "main beam")					
L227	22	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) AND ((inclin$5 elevation) near3 angle) SAME (chang$3 increas$3 dynamic$4 adaptive$2) near7 ("main lobe" "main beam")	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 10:00 AM
L228	4	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) AND ((inclin$5 elevation) near3 angle) SAME (chang$3 increas$3 dynamic$4 adaptive$2) near7 ("main lobe" "main beam")	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/03 10:00 AM
L229	99	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/03 10:01 AM

		aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) AND ((inclin$5 elevation) near3 angle) SAME ("main lobe" "main beam")					
L230	70	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) AND ((inclin$5 elevation) near3 angle) SAME (chang$3 increas$3 dynamic$4 adaptive$2 high$2 increment$3) near8 ("main lobe" "main beam" lobe)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 10:16 AM
L231	109	(drone$1 ((aerial airborne) near3 (UE vehicle))(autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2023/10/03 10:48 AM

		"unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane))) AND ((inclin$5 elevation) near3 angle) WITH (chang$3 increas$3 dynamic$4 adaptive$2 high$2 increment$3 adjust$4) WITH ("main lobe" "main beam" lobe)	SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L232	3184	((inclin$5 elevation) near3 angle) WITH (chang$3 increas$3 dynamic$4 adaptive$2 high$2 increment$3 adjust$4) WITH ("main lobe" "main beam" lobe)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 10:53 AM
L233	13	"17182809"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 10:57 AM
L234	251	((inclin$5 elevation) near3 angle) WITH (chang$3 increas$3 dynamic$4 adaptive$2 high$2 increment$3 adjust$4) WITH ("main lobe" "main beam" lobe)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2023/10/03 10:57 AM
L235	19	up$1tilt SAME ("main	(US-PGPUB; USPAT;	OR	ON	ON	2023/10/03

		lobe" "main beam")	EPO)				11:06 AM
L236	0	(drone$1 (autonomous near2 (vehicle$1 aerial$1)) "unmanned aerial vehicle" UFV "unoccupied flying vehicle" "unmanned aerial system" "unoccupied aerial vehicle" Blimp balloon "unoccupied aerial" UAV$1 UAS "unmanned aerial platform" quad$1copter$1 (unmanned near2 (system platform aerial airborne vehicle plane aircraft airplane aeroplane)) aeroplane airplane aircraft jet airliner) SAME (chang$3 increas$3 dynamic$4 adaptive$2 high$2 increment$3) near6 up$1tilt	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/03 11:39 AM
L237	45	(US-10602307-$ | US-10667080-$ | US-10691677-$ | US-10708712-$ | US-10721587-$ | US-10728697-$ | US-10728698-$ | US-10728699-$ | US-11044575-$ | US-11070936-$ | US-17182809-$ | US-20040097244-$ | US-20060116817-$ | US-20070129888-$ | US-20070219708-$ | US-20090135805-$ | US-20090157632-$ | US-20090186595-$ | US-20090191860-$ | US-20100042320-$ | US-20120126974-$ | US-20120129553-$ | US-20150005017-$ | US-20150065177-$ | US-20150148078-$ | US-20150163632-$ | US-20150382141-$ | US-20180124564-$ | US-20190373402-$ | US-20190373406-$ | US-20190380000-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/10/04 07:47 AM

		20190380001-$ | US-20190380002-$ | US-20200112821-$ | US-20200112822-$ | US-20200112823-$ | US-20200112824-$ | US-20200112825-$ | US-20200120442-$ | US-7519470-$ | US-7577522-$ | US-7627425-$ | US-8165079-$ | US-8750101-$ | US-8761714-$ | US-8868581-$).DID.					
L238	184	(US-0032666-$ | US-0089288-$ | US-0116817-$ | US-0129888-$ | US-0157632-$ | US-0223494-$ | US-0270421-$ | US-10049387-$ | US-10984447-$ | US-10321264-$ | US-11082798-$ | US-11115777-$ | US-17182809-$ | US-20020107706-$ | US-20020107795-$ | US-20020123373-$ | US-20020142762-$ | US-20020169977-$ | US-20020173315-$ | US-20020183056-$ | US-20020194325-$ | US-20030051169-$ | US-20030060189-$ | US-20030061504-$ | US-20030078886-$ | US-20030139192-$ | US-20030142039-$ | US-20030143990-$ | US-20040002301-$ | US-20040058651-$ | US-20040087347-$ | US-20040198334-$ | US-20040203616-$ | US-20040203681-$ | US-20040204719-$ | US-20050009465-$ | US-20050054324-$ | US-20050055574-$ | US-20050058067-$ | US-20050282535-$ | US-20060116817-$ | US-20060223494-$ | US-20060141993-$ | US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/10/04 08:44 AM

		20060253481-$ | US- 20060270421-$ | US- 20060281440-$ | US- 20060287958-$ | US- 20070129888-$ | US- 20070180111-$ | US- 20070244633-$ | US- 20080032666-$ | US- 20080032703-$ | US- 20080155017-$ | US- 20080182569-$ | US- 20080225815-$ | US- 20090089288-$ | US- 20090094248-$ | US- 20100173608-$ | US- 20100248709-$ | US- 20120030742-$ | US- 20120137349-$ | US- 20130072177-$ | US- 20130227667-$ | US- 20130283395-$ | US- 20160283064-$ | US- 20220103966-$ | US- 6418311-$ | US- 6449498-$ | US- 6542729-$ | US- 6542732-$ | US- 6701144-$ | US- 6721578-$ | US- 6947772-$ | US- 7054649-$ | US- 7089264-$ | US- 7065388-$ | US- 7092964-$ | US- 7096004-$ | US- 7099663-$ | US- 7219145-$ | US- 7536172-$ | US- 7610048-$ | US- 7684792-$ | US- 7734285-$ | US- 7743407-$ | US- 7769767-$ | US- 7814106-$ | US- 7848765-$ | US- 7921287-$ | US- 8219115-$ | US- 8112076-$ | US- 8249577-$ | US- 8326315-$ | US- 8374628-$ | US- 8385944-$ | US- 8588766-$ | US- 8644847-$ | US- 8660613-$ | US- 8862150-$ | US- 8909248-$ | US- 9286625-$ | US-					

		9779418-$ | US-9122542-$ | US-9270818-$ | US-9654923-$ | US-9668096-$ | US-9936347-$ | US-RE45780-$ | US-RE48001-$ | US-20090157632-$).DID.					
L239	463	((("HARDIN") near3 ("Ryan")) OR (("HILL") near3 ("Andrew"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/10/06 11:17 AM
L240	394	((("HARDIN") near3 ("Ryan")) OR (("HILL") near3 ("Andrew"))).INV.	(US-PGPUB; USPAT)	OR	ON	ON	2023/10/06 11:17 AM
L241	21	((("HARDIN") near3 ("Ryan")) OR (("HILL") near3 ("Andrew"))).INV. AND (G06Q30/0261 OR G06Q30/02 OR G06Q30/0266 OR G06Q30/0267 OR H04M3/42357 OR H04W4/021 OR H04W4/029 OR H04W4/18 OR H04L67/53 OR H04M2242/14 OR H04W4/02).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/10/06 11:18 AM
L242	48	("6810323" | "6847888" | "6867733" | "7009556" | "7080402" | "7089264" | "7096117" | "7103368" | "7124370" | "7200673" | "7207802" | "7219303" | "7814106" | "7848765" | "8403755" | "8942995" | "9251520" | "9373116" | "20020142844" | "20030064705" | "20030101454" | "20030198346" | "20040214550" | "20040220906" | "20040253965" | "20060064346" | "20060136292" | "20060136297" | "20070112741" | "20070185768" | "20070214180" | "20080004952" | "20080098420" | "20080154728" | "20080162032" | "20080163073" | "20080215524" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/10/06 11:19 AM

		"20080262897" | "20080307498" | "20080313039" | "20090024476" | "20090029721" | "20090063424" | "20090131080" | "20090197582" | "20100075697" | "20100130179" | "20100312646").pn. OR ("10984447").urpn. AND (PGPB | USPT | USOC).dbnm.					
L243	37	("6810323" | "6847888" | "6867733" | "7009556" | "7080402" | "7089264" | "7096117" | "7103368" | "7124370" | "7200673" | "7207802" | "7219303" | "7814106" | "9251520" | "20030064705" | "20030101454" | "20030198346" | "20040214550" | "20040220906" | "20040253965" | "20060064346" | "20070185768" | "20080004952" | "20080098420" | "20080154728" | "20080162032" | "20080163073" | "20080215524" | "20080262897" | "20080307498" | "20080313039" | "20090024476" | "20090029721" | "20090063424" | "20090131080" | "20100075697" | "20100312646").pn. OR ("9779418").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/10/06 11:21 AM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	1	(content AND delivery AND platform AND program AND geographic AND reservation AND	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/31 08:55 AM

		identifier AND mobile AND device).clm. AND ((G06Q30/02 OR G06Q30/0261 OR G06Q50/01 OR G06Q30/0241 OR G06Q30/0267 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0255 OR G06Q20/3224 OR G06Q30/0205 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/21 OR H04W4/023 OR H04W4/025 OR H04W4/18).cpc.)					
N2	1	(content AND delivery AND platform AND program AND geographic AND reservation AND identifier AND mobile AND device).clm. AND ((G06Q30/02 OR G06Q30/0261 OR G06Q50/01 OR G06Q30/0241 OR G06Q30/0267 OR G06Q30/0269 OR G06Q30/0251 OR G06Q30/0255 OR G06Q20/3224 OR G06Q30/0205 OR H04W4/029 OR H04W4/02 OR H04W4/021 OR H04W4/21 OR H04W4/023 OR H04W4/025 OR H04W4/18).cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2022/10/31 08:55 AM
N3	8	(content AND delivery AND platform AND identifier AND geographic AND area).clm. AND ((G06Q30/02 OR G06Q30/0277 OR G06Q30/0269 OR G06Q30/0261 OR G06Q30/0241 OR G06Q30/0207 OR G06Q30/0276 OR G06Q30/0272 OR G06Q30/0266 OR	(US-PGPUB; USPAT)	OR	ON	ON	2023/10/06 10:09 AM

		G06Q30/0251 OR G06Q30/0264 OR H04W4/029 OR H04W4/21 OR H04W4/02).cpc.)					
N4	28	(content AND delivery AND platform AND identifier AND geographic AND area).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/10/06 10:12 AM
N5	10	(content AND delivery AND platform AND identifier AND geographic AND interest AND request).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/10/06 11:20 AM

PE2E SEARCH - Search History (Similarity Search)

No Similarity Results available

17863208

Report Run Date: 2023-10-06 UTC
Searches: 10
Markers: 0

Search #	Timestamp	Results	Page
1	2023-10-06 14:14 UTC	30,847,413	3
2	2023-10-06 14:17 UTC	43,738,555	4
3	2023-10-06 14:32 UTC	7,171,614	4
4	2023-10-06 14:32 UTC	7,171,614	4
5	2023-10-06 14:43 UTC	38,055,182	4
6	2023-10-06 14:44 UTC	38,055,182	4
7	2023-10-06 14:44 UTC	10,046,469	5
8	2023-10-06 14:52 UTC	10,046,471	5
9	2023-10-06 14:54 UTC	15,176,886	5
10	2023-10-06 14:54 UTC	15,176,882	5

Content: Patents + NPL (192)

US Patents | US Designs | US Applications | EPO Patents | EPO Applications | China Patents | China Applications | Japan Patents | Japan Applications | Korea Patents | Korea Applications | WIPO Applications | Argentina Patents | Argentina Applications | Brazil Patents | Brazil Applications | Canada Patents | Canada Applications | Chile Patents | Chile Applications | Colombia Applications | Costa Rica Applications | Cuba Patents | Cuba Applications | Dominican Republic Applications | Ecuador Patents | Ecuador Applications | El Salvador Applications | Guatemala Applications | Honduras Applications | Mexico Patents | Mexico Applications | Nicaragua Patents | Panama Applications | Peru Applications | Trinidad & Tobago Patents | Uruguay Applications | Austria Patents | Austria Applications | Belarus Patents | Belgium Patents | Belgium Applications | Bosnia & Herzegovina Patents | Bosnia & Herzegovina Applications | Bulgaria Patents | Bulgaria Applications | Croatia Patents | Croatia Applications | Czech Republic Patents | Czech Republic Applications | Czechoslovakia Patents | Czechoslovakia Applications | Denmark Patents | Denmark Applications | Estonia Patents | Estonia Applications | EUIPO Patents | Finland Patents | Finland Applications | France Patents | France Applications | Germany Patents | Germany Applications | Great Britain Patents | Great Britain Applications | Greece Patents | Greece Applications | Hungary Patents | Hungary Applications | Iceland Patents | Iceland Applications | Ireland Patents | Ireland Applications | Italy Patents | Italy Applications | Latvia Patents | Latvia Applications | Lithuania Patents | Lithuania Applications | Luxembourg Patents | Luxembourg Applications | Malta Patents | Monaco Patents | Montenegro Patents | Montenegro Applications | Netherlands Patents | Netherlands Applications | Norway Patents | Norway Applications | Poland Patents | Poland Applications | Portugal Patents | Portugal Applications | Republic of Moldova Patents | Republic of Moldova Applications | Romania Patents | Romania Applications | San Marino Patents | San Marino Applications | Serbia Patents | Serbia Applications | Slovakia Patents | Slovakia Applications | Slovenia Patents | Spain Patents | Spain Applications | Sweden Patents | Sweden Applications | Switzerland Patents | Switzerland Applications | Ukraine Patents | Yugoslavia/Serbia and Montenegro Patents | Yugoslavia/Serbia and Montenegro Applications | Armenia Patents | Australia Patents | Australia Applications | Cyprus Patents | Gulf Cooperation Council Patents | Hong Kong Patents | India Patents | India Applications | Indonesia Patents | Indonesia Applications | Israel Patents | Israel Applications | Jordan Patents | Jordan Applications | Kyrgyzstan Patents | Macao Applications | Malaysia Patents | Mongolia Patents | New Zealand Patents | Philippines Patents | Philippines Applications | Saudi Arabia Patents | Saudi Arabia Applications | Singapore Patents | Singapore Applications | Taiwan Patents | Taiwan Applications | Tajikistan Patents | Tajikistan Applications | Thailand Patents | Thailand Applications | Uzbekistan Patents | Vietnam Patents | Algeria Patents | ARIPO Patents | ARIPO Applications | Egypt Patents | Kenya Patents | Malawi Patents | Morocco Patents | Morocco Applications | OAPI Patents | South Africa Patents | Tunisia Applications | Zambia Patents | Zimbabwe Patents | EAPO Patents | EAPO Applications | Georgia Patents | Georgia Applications | Kazakhstan Patents | Kazakhstan Applications | Russia Patents | Russia Applications | Turkey Patents | Turkey Applications | IEEE Xplore Publications: IEEE Periodicals | IEEE Xplore Publications: IEEE Conferences | IEEE Xplore Publications: IEEE Standards | IEEE Xplore Publications: IEEE Early Access | IEEE Xplore Publications: SMPTE Periodicals | IEEE Xplore Publications: SMPTE Conferences | IEEE Xplore Publications: SMPTE Standards | IEEE Xplore Publications: MIT Press eBooks | IEEE Xplore Publications: Wiley-IEEE eBooks | IEEE Xplore Publications: IBM Periodicals | IEEE Xplore Publications: URSI Periodicals | IEEE Xplore Publications: VDE Conferences | IEEE Xplore Publications: Periodicals from China | IP.com Prior Art Database: The IP.com Journal | IP.com Prior Art Database: Internet Society RFC | IP.com Prior Art Database: IBM TDB Archive | IP.com Prior Art Database: Legacy Journals | IP.com Prior Art Database: Software Patent Institute | OnePetro.org: Periodicals at OnePetro.org | OnePetro.org: Conferences at OnePetro.org | Other Literature: IBM Redbooks | Other Literature: PubMed Central | Other Literature: arXiv.org

1 **2023-10-06 14:14 UTC | 30,847,413 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
content delivery platform software geographic area identifier advertisement

Concept Modifiers: None

Filters: None

2 **2023-10-06 14:17 UTC | 43,738,555 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
register advertisement server location radius zone wireless device

Concept Modifiers: None

Filters: None

3 **2023-10-06 14:32 UTC | 7,171,614 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Document
US10049387 Exclusive delivery of content within geographic areas (view)

Concept Modifiers: None

Filters: None

4 **2023-10-06 14:32 UTC | 7,171,614 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Same as Search 3

Concept Modifiers: None

Filters: None

5 **2023-10-06 14:43 UTC | 38,055,182 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
advertisement server store ads location mobile device entry area push

Concept Modifiers: None

Filters: None

6 **2023-10-06 14:44 UTC | 38,055,182 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Same as Search 5

Concept Modifiers: None

Filters: None

7 **2023-10-06 14:44 UTC | 10,046,469 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Same as Search 5

Concept Modifiers (1):
1. More Like Text: ads advertise application mobile mobile device provider transmit device ad demographic location

Filters: None

8 **2023-10-06 14:52 UTC | 10,046,471 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Same as Search 5

Concept Modifiers: Same as Search 7

Filters: None

9 **2023-10-06 14:54 UTC | 15,176,886 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Text
advertisement server database ads location mobile device radius

Concept Modifiers: Same as Search 7

Filters: None

10 **2023-10-06 14:54 UTC | 15,176,882 results from**

De-Dup: None | **Relevance Cut-off:** None | **Sort:** Relevance

Main Concept: Same as Search 9

Concept Modifiers: Same as Search 7

Filters: None

Bibliographic Data

Application No: 17/863,208

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: /OLUMIDE AJIBADE AKONAI/ Examiner's Signature | Initials

Title: Exclusive Delivery of Content Within Geographic Areas

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
07/12/2022	705	3648	971600.1001
RULE			

APPLICANTS

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CONTINUING DATA

This application is a CON of 17182809 02/23/2021

17182809 is a CON of 16019285 06/26/2018 PAT 10984447

16019285 is a CON of 15694786 09/02/2017 PAT 10049387

15694786 is a CON of 15009961 01/29/2016 PAT 9779418

15009961 is a CON of 14608285 01/29/2015 PAT 9286625

14608285 is a CON of 13856392 04/03/2013 PAT 8977247

13856392 is a CON of 12434094 05/01/2009 PAT 8433296

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

07/21/2022

STATE OR COUNTRY

UNITED STATES

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Davidson, Davidson & Kappel, LLC

589 8th Avenue

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New York, NY 10018

UNITED STATES

FILING FEE RECEIVED

$3,740

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT TRIAL AND APPEAL BOARD

Inventors:	Ryan Hardin et al.	Application No.:	17/863,208
Filing Date:	July 12, 2022	Confirmation No.:	2712
Examiner:	Ajibade Akonai, Olumide	Attorney Docket:	971600.1001
Art Unit:	3648	Customer No.:	23280
Title:	EXCLUSIVE DELIVERY OF CONTENT WITHIN GEOGRAPHIC AREAS		

Submitted electronically via EFS-Web August 3, 2023

APPELLANTS' BRIEF UNDER 37 C.F.R. §41.37

Dear Madam or Sir:

Appellants submit this brief for the consideration of the Patent Trial and Appeal Board (the "Board") in support of their appeal of the Final Office Action dated March 9, 2023, in this application.

I. REAL PARTY IN INTEREST

The real parties in interest are the individual inventors, Ryan Hardin and Andrew Hill ("Appellants" or "Applicants"), the current owners of the entire right, title, and interest in the above-identified patent application.

II. RELATED APPEALS AND INTERFERENCES

Appellants and their legal representatives are not aware of any appeal, interference, or judicial proceeding that directly affects, will be directly affected by, or will have a bearing on the Board's decision in this appeal. In the interest of transparency, Appellants and their legal representatives also note that (i) the present application claims priority from U.S. Patent No. 10,049,387; U.S. Patent No. 9,779, 418; and U.S. Patent No. 10,984,447, the Patent Owners being the individual inventors for each of these patents; and (ii) each of these patents had *inter partes* reviews (IPRs) filed by Petitioners Samsung Electronics Co. Ltd, Samsung Electronics America, Inc. and Google LLC[1], however, each of these IPRs have since been terminated by the Board, following the Petitioners and Patent Owners filing a Joint Motion to Terminate due to settlement and a filing of Confidential Settlement and License Agreements under 35 U.S.C. § 317. Furthermore, despite termination of the aforementioned proceedings, Appellants and their legal representatives submit that the challenged subject matter in the aforementioned proceedings remains distinct from the claimed limitations at issue in the present application and thus has no bearing on the Board's decision in this appeal.

III. STATUS OF CLAIMS

[1] These proceedings are sequentially numbered from IPR2022-01327 to IPR2022-01335.

Claims 1-5, 7-14, and 16-32 of the present application are pending. Claims 1-5, 7-14, and 16-32 were finally rejected as per the Final Office Action dated March 9, 2023. Claims 6 and 15 have been canceled without prejudice. The rejection to claims 1-5, 7-14, and 16-32 is hereby appealed. A copy of appealed claims 1-5, 7-14, and 16-32 is attached hereto as Appendix A.

IV. STATUS OF AMENDMENTS AFTER FINAL

A Notice of Appeal was filed electronically via EFS-Web on June 7, 2023. An Amendment has been filed on June 7, 2023, after the Final Office Action dated March 9, 2023, to remove language subjected to 112 rejections from the claims. The Amendment was entered by the Examiner in an Advisory Action dated June 28, 2023.

V. SUMMARY OF THE CLAIMED SUBJECT MATTER

Independent Claim 1 recites a system for creating and offloading location awareness (e.g., system 100 in Fig. 1, system 200 in Fig. 2, system 700 in Fig. 7; Figs. 1 to 7; paragraphs [0019] to [0069]), the system including a mobile device (e.g., [0022]) and comprising:

at least one memory (e.g., paragraphs [0010], [0064], [0065], [0068]);

at least one processor operably coupled to the at least one memory (e.g., paragraphs [0010], [0064], [0065], [0067], [0068]); and

code configured for execution by the at least one processor (e.g., paragraphs [0066], [0067]), wherein the code comprises at least one instruction for:

sending, to content delivery platform software (e.g., content delivery platform 112, 212; paragraphs [0019], [0031]):

a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the

selected geographic area of interest (e.g., paragraphs [0021], [0031], [0050], [0051]); and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest (e.g., paragraphs [0045] to [0050]); and

receiving, via the computer program, the identifier delivered by the content delivery platform software after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest (e.g., paragraphs [0052] to [0054]).

Independent claim 10 recites a system for creating and offloading location awareness (e.g., system 100 in Fig. 1, system 200 in Fig. 2, system 700 in Fig. 7; Figs. 1 to 7; paragraphs [0019] to [0069]), the system including a mobile device (e.g., [0022]) and comprising:

at least one memory (e.g., paragraphs [0010], [0064], [0065], [0068]);

at least one processor operably coupled to the at least one memory (e.g., paragraphs [0010], [0064], [0065], [0067], [0068]); and

code configured for execution by the at least one processor (e.g., paragraphs [0066], [0067]), wherein the code comprises at least one instruction for:

receiving, via content delivery platform software (e.g., content delivery platform 112, 212; paragraphs [0019], [0031]):

a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest (e.g., paragraphs [0021], [0031], [0050], [0051]); and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest (e.g., paragraphs [0045] to [0050]); and

reserving, in the at least one memory, the selected geographic area of interest for delivery of the identifier to the computer program (Paragraph [0049]);

obtaining location information representing at least one physical geographic location of the mobile device (Paragraphs [0025], [0030], [0050]); and

delivering the identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest (e.g., paragraphs [0052] to [0054]).

Independent claim 29 recites a non-transitory computer readable medium for creating and offloading location awareness (e.g., paragraphs [0010], [0064], [0065], [0068]); said non-transitory computer readable medium causing at least one processor to perform the steps of:

sending, to content delivery platform software (e.g., content delivery platform 112, 212; paragraphs [0019], [0031]):

a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on a mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest (e.g., paragraphs [0021], [0031], [0050], [0051]); and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to

establish at least one perimeter as a boundary for the selected geographic area of interest (e.g., paragraphs [0045] to [0050]); and

receiving, via the computer program, the identifier delivered by the content delivery platform software after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest (e.g., paragraphs [0052] to [0054]).

Independent claim 30 recites a non-transitory computer readable medium for creating and offloading location awareness (e.g., paragraphs [0010], [0064], [0065], [0068]); said non-transitory computer readable medium causing at least one processor to perform the steps of:

receiving, via content delivery platform software (e.g., content delivery platform 112, 212; paragraphs [0019], [0031]):

a request to have an alphanumeric identifier, being associated with a selected geographic area of interest, delivered to a computer program on a mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest (e.g., paragraphs [0021], [0031], [0050], [0051]); and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the alphanumeric identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest (e.g., paragraphs [0045] to [0050]);

reserving, in at least one memory, the selected geographic area of interest for delivery of the alphanumeric identifier to the computer program (Paragraph [0049]);

obtaining location information representing at least one physical geographic location of the mobile device (Paragraphs [0025], [0030], [0050]); and

delivering the alphanumeric identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at

least entered the selected geographic area of interest (e.g., paragraphs [0052] to [0054]).

VI. GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL

Claim 21 is rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite. Claims 1-5, 9-12, 16, 20, 22, 23, and 27-32 are rejected under pre-AIA 35 U.S.C. 102(e) as being anticipated by Yoon et al US 20080270235 (hereinafter Yoon). Claims 7 and 8 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Lempio et al US 20030207683 (hereinafter Lempio). Claims 13, 14, 17, and 18 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Zellner et al US 20020077084 (hereinafter Zellner). Claim 26 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Barnes et al US 8,010,134 (hereinafter Barnes). Claim 19 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Unold et al US 20020055880 (hereinafter Unold). Claims 24 and 25 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Mikkelsen et al US 20100077022 (hereinafter Mikkelsen).

VII. ARGUMENTS

A. Rejections under pre-AIA 35 U.S.C. § 112

The Office has rejected claim 21 under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite. However, in a subsequent Advisory Action by the Office dated June 28, 2023, it was indicated that the 35 U.S.C. 112 (pre-AIA), second paragraph rejection of claim 21 was overcome due to an amendment to the claims. See Advisory Action, Continuation Sheet.

The Examiner in the Final Office Action asserts that "Claim 21 recites the limitation 'the mobile terminal' in lines 9, 10, 13, and 15" and that "[t]here is insufficient antecedent basis for this limitation in the claim." However, the term "the mobile terminal" is not recited in claim 21 as the Examiner asserts. Rather, claim 21 recites:

> "The system of claim 10, wherein the code further comprises at least one instruction for:
> receiving, from a third party tracking source, location information corresponding to at least one location of one or more mobile devices, wherein the one or more mobile devices is not the mobile device and the location information received from the third party tracking source is to be used, in combination with information received via an antenna of the mobile device, for positioning the geographic location of the mobile device; and
> using the location information received from the third party tracking source, in combination with wireless information received via an antenna of the mobile device operable to communicate with a wireless network, to position the geographic location of the mobile device."

Thus, reversal of this rejection under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, is respectfully requested, as overcoming this rejection as asserted in the Final Office Action is not necessarily tied to an amendment of the claims, but an error by the Examiner.

B. Rejections under pre-AIA 35 U.S.C. § 102(e)

The Office has rejected claims 1-5, 9-12, 16, 20, 22-23, and 27-30 as being anticipated under pre-AIA 35 U.S.C. § 102(e) by Yoon et al US 20080270235 (hereinafter Yoon).

1. Independent Claim 1; Dependent Claims 2-5 and 9

Independent claim 1 recites:

"A system for creating and offloading location awareness, the system including a mobile device and comprising:

at least one memory;

at least one processor operably coupled to the at least one memory; and

code configured for execution by the at least one processor, wherein the code comprises at least one instruction for:

sending, to content delivery platform software:

a request to have an ***identifier***, being associated with a selected geographic area of interest, delivered to a computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein **the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest**; and

receiving, via the computer program, **the identifier delivered by the content delivery platform software *after* it has been determined**, by at least use of location information representing at least one physical geographic location of the mobile device, **that the mobile device has at least entered the selected geographic area of interest**."

The Examiner's Assertions

The Examiner, with respect to Yoon, cites advertisement providing server 2 as corresponding to the "content delivery platform software" of claim 1 (Final Office Action, page 19, lines 6-7) and cites the advertisement, and the text within the advertisement, shown in Figs. 2 and 3 and described at paragraphs [0019] and [0020] of Yoon as corresponding to the "identifier"

of claim 1 (Final Office Action, page 19, lines 8-11). With respect to the advertisement and the text within the advertisement as being an identifier, the Examiner asserts that "an advertisement can include images and/or any identifier (e.g., an[] alphanumeric identifier) that enables a user of the mobile station to identify an advertisement" and "[a]n identifier can be any type of information or data that enables a user to identify information received at the mobile device." (Final Office Action, page 6, line 20 to page 7, line 1). The Examiner further asserts that Fig. 4 of Yoon shows that "the advertisement contains alphanumeric identifiers in the pop-up window 101", and therefore "Yoon teaches both an advertisement and/or identifier, as recited in the claims." (Final Office Action, page 7, lines 6-8). The Examiner further asserts that Fig 3. and paragraphs [0019]-[0020], [0023], [0029], and [0035] of Yoon show "advertisement providing server 2" where "advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser" (emphasis in original) and that this discloses code comprising an instruction for sending, to the content delivery platform software, geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest. (Final Office Action, page 19, lines 4-7; page 19, line 21 to page 20, line 5).

An advertisement and advertisement text are different from the claimed "identifier"

The Examiner's assertions regarding Yoon's advertisement and the advertising text corresponding to the claimed "identifier" extend beyond the bounds of the broadest reasonable interpretation rubric and contradict the cannons of claim construction.

When construing claim terms during prosecution before the USPTO, claims are to be given their broadest reasonable interpretation consistent with the Specification, reading claim language in light of the Specification as it would be interpreted by one of ordinary skill in the art. *In re Am. Acad. Of Sci. Tech Ctr.*, 367 F.3d 1359, 1364 (Fed. Cir. 2004). It should be noted that the broadest reasonable interpretation rubric has limits and does not involve simply interpreting the claims as broadly as possible. *In re Smith Int'l, Inc.*, 871 F.3d 1375, 1382–83 (Fed. Cir. 2017) ("The correct inquiry in giving a claim term its broadest reasonable interpretation in light of the specification is not whether the specification proscribes or precludes some broad reading of the claim term adopted by the examiner. And it is not simply an interpretation that is not inconsistent with the specification. It is an interpretation that corresponds with what and how the inventor describes his invention in the specification, i.e., an interpretation that is 'consistent with the specification.'" (citation omitted)). "Although the PTO must give claims their broadest reasonable interpretation, this interpretation must be consistent with the one that those skilled in the art would reach." See *In re Cortright*, 165 F.3d 1353, 1358 (Fed. Cir. 1999).

To begin, the Examiner's rejection fails to address that the claimed "identifier" is "associated with a selected geographic area of interest." The Examiner refers to an advertisement or advertising text as reading on the identifier but has not explained why a person of ordinary skill would understand Yoon's advertising text as being "associated with a selected geographic area of interest" as claimed. While Yoon discloses sending an advertisement to a navigation terminal and displaying the advertisement on the navigation terminal based on the location of the terminal, the advertisement is not itself an "identifier" as claimed.

In this regard, the Federal Circuit has indicated that technical dictionaries can be useful to determine the interpretation that those skilled in the art would reach:

> Within the class of extrinsic evidence, the court has observed that dictionaries and treatises can be useful in claim construction. We have especially noted the help that technical dictionaries may provide to a court to better understand the underlying technology and the way in which one of skill in the art might use the claim terms. Because dictionaries, and especially technical dictionaries, endeavor to collect the accepted meanings of terms used in various fields of science and technology, those resources have been properly recognized as among the many tools that can assist the court in determining the meaning of particular terminology to those of skill in the art of the invention. Such evidence, we have held, may be considered if the court deems it helpful in determining the true meaning of language used in the patent claims.

Phillips v. AWH Corp., 415 F.3d 1303, 1318 (Fed. Cir. 2005) (en banc) (quotation marks and citations omitted).

The subject matter of the present application is directed to improving computer programming operations and development, and a person of ordinary skill in the art ("POSITA") would have had at least a bachelor's degree in computer science or a comparable field of study and at least five years of professional experience in mobile or location-based computing or other relevant academic experience. See, e.g., IPR2022-01327, DECISION Granting Institution of *Inter Partes* Review of US Patent 10,049,387 B2, February 7, 2023, pages 12 and 13. See also Abstract, noting application developers, application programs, and their utility.

Because a POSITA would have had at least a bachelor's degree in computer science, it is useful to consult a computer science dictionary to interpret the meaning of "identifier." A POSITA would understand that the claimed "identifier" is a string of characters used to identify an element of a computer program such as a variable, a data structure, a procedure, a statement, a higher-level unit, or the program itself. (See, e.g., *Dictionary of Computing*, Oxford University Press, Sixth Edition (August 4, 2008), "identifier: A string of characters used to identify (or *name) some element of a program. The kind of element that may be named depends on the programming language; it may be a variable, a data structure, a procedure, a statement, a higher-level unit, or the

program itself."). In other words, an identifier has a particular role in computing operations and is not simply an advertisement or advertisement text displayed to a user on a screen, as asserted by the Examiner.

Turning back to Yoon, the advertisement and the advertising text that Yoon disclose are not a string of characters used to identify an element of a computer program involved in computing operations—Yoon's advertisement and the advertising text are merely visual promotions displayed to a user on a screen and have no computational role whatsoever in the context of computer programs/code. Further, the advertising text is especially different from what is claimed because it is not "associated with a selected geographic area of interest." The plain and ordinary meaning of "identifier" within the context of computer programming/code applies here, and an advertisement and advertising text do not fall within the scope of this definition.

The Examiner asserts that "an advertisement can include images and/or any identifier (e.g., and alphanumeric identifier) that enables a user of the mobile station to identify an advertisement" and that "[a]n identifier can be any type of information or data that enables a user to identify information received at the mobile device." However, this assertion is completely speculative and not supported by any evidence. It is well established that the Office does not meet its initial duty when it is making such unsupported assertions. See *In re Warner*, 379 F.2d 1011, 1017 (CCPA 1967) ("The Patent Office has the initial duty of supplying the factual basis for its rejection. It may not, because it may doubt that the invention is patentable, resort to speculation, unfounded assumptions or hindsight reconstruction to supply deficiencies in its factual basis.").

As noted above, the definition provided by the Examiner is outside of the broadest reasonable interpretation rubric. Instead, the Examiner has simply provided the broadest *possible*

definition, without articulating any explanation as to why a POSITA would have had understood "identifier" in such a manner, especially in light of the Specification.

The Examiner's assertions that the advertisement and the advertising text in Yoon are the identifier described in paragraph [0050] of the present application because Yoon's advertisement and advertising text can enable a user to *identify* an advertisement/information are contradicted by Fig. 4 and the context of paragraphs [0045] to [0050] of the Specification.

Furthermore, a recent PTAB decision provides even more support in how the very context of the Specification is intrinsically indicative—here, content in the form of an identifier is different from an advertisement or any part of the advertisement. Paragraph [0050] states in part:

> A sponsor can provide content for delivery to mobile devices having target locations contained within its reserved area, as illustrated by block 415 . This content can include ***advertisements***, still image content, animated content, video content, audio content, alphanumeric ***identifiers***, or other content suitable for delivery to mobile devices via registered applications. As illustrated by block 417, the content received from the sponsor can be stored for later ***delivery to registered applications running*** on mobile devices having target locations that exist within the sponsor's reserved area… (Emphasis added).

The straightforward indication from the list of this paragraph is that, with respect to content, an advertisement is different from an identifier. This is similar to the recent PTAB decision in *Ex parte Andre*, Appeal 2022-004386, pages 5 to 6 (PTAB Feb. 2023) (nonprecedential), where the PTAB stated:

> The fact that Appellant's Specification indicates that the base and lid may be provided in any of various different shapes does not support a claim interpretation of "square-shaped" that is broad enough to read on the shape of base and lid depicted in Figures 2 and 9 of Lee. Rather, ***the fact that rectangular and square are separately listed in Appellant's Specification is an indication that these terms refer to different shapes, not the same shape***. As for the fact that Appellant's drawings depict only rectangular-shaped bases and lids, the Examiner provides no explanation [*6] as to why such drawings broaden the meaning of "square-shaped"

> to include the modified rectangular shape depicted in Lee's Figures 2 and 9, when the Specification does not refer to the structure depicted in Appellant's drawings as "square-shaped." Finally, although Appellant considers the term "square-shaped" to allow for slight deviations, ***the broadest reasonable interpretation of this term, in light of the Specification does not read on clearly rectangular shapes (which are separately listed in the Specification)***, much less rectangular shapes with further deviations from "square"-ness such as the curved ends on the structure depicted in Figures 2 and 9 of Lee. Accordingly, we do not sustain the rejection of claim 21, and claim 39 depending therefrom, as unpatentable over Lee, Szamborski, and Burger. (Emphasis added).

Thus, similar to *Ex parte Andre*, the broadest reasonable interpretation of "identifier," in light of the Specification, does not read on advertisements or text within the advertisement because the identifier and advertisement are separately listed in Appellant's Specification, indicating that these terms refer to different content, not the same content. Any such interpretation to the contrary would not be an interpretation in light of the Specification and would disregard the interpretation of this term as understood by a POSITA.

The Examiner's reasoning in this regard is unreasonable. At page 6, line 16 to page 7, line 8 of the Final Office Action, the Examiner states:

> Regarding claims 1 and 29, the declaration asserts that in the context of the present application, an advertisement is not an identifier. The declaration points to paragraph [0050] of the applicant's specification as listing advertisements and identifier as being different content. However, the specification doesn't list in which specific way an identifier is different from an advertisement. For example, an advertisement can include images and/or any identifier (e.g., and alphanumeric identifier) that enables a user of the mobile station to identify an advertisement. An identifier can be any type of information or data that enables a user to identify information received at the mobile device. Overall, both are content delivered to the mobile device by the content provider, and while paragraph [0050] of the applicant's specification lists advertisement and identifier separately, there is no specific distinction between the data in the identifier and the advertisement that is disclosed in the specification. Furthermore, Yoon discloses providing an advertisement in a display of a navigation device (see fig. 4, [0035]). As can be seen from the figure, the advertisement contains alphanumeric identifiers in the pop-up window 101. Therefore, Yoon teaches both an advertisement and/or identifier, as recited in the claims.

First, the Examiner's statement that "the specification doesn't list in which specific way an identifier is different from an advertisement" is misplaced. As noted above, claims are interpreted from the perspective of a POSITA, who understands the definition of "identifier" in the computing context. The Examiner has merely provided vague assertions without explaining how the Examiner is asserting the advertisement or its text are an "identifier," and the Examiner has not proffered any definition whatsoever. The Examiner has the burden of explaining how the advertisement or its text are an "identifier," and the Examiner's explanation in this regard is deficient. See *In re Oetiker,* 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant.").

Additionally, this assertion by the Examiner is illogical: "Overall, both [the advertisement and identifier] are content delivered to the mobile device by the content provider, and while paragraph [0050] of the Applicants' specification lists advertisement and identifier separately, there is no specific distinction between the data in the identifier and the advertisement that is disclosed in the specification". That both an advertisement and an identifier can be content is irrelevant and has no bearing as to whether an advertisement is an identifier. In the context of *Ex parte Andre* discussed above, using this logic would be comparable to saying a circle is a square simply because both are shapes, which is unreasonable.

In sum, (i) a *prima facie* case of unpatentability has not been presented and thus the burden has not been shifted to Applicants; (ii) even despite (i), a POSITA would understand that

advertisement and advertisement text are different from the claimed "identifier" in light of the Specification; and (iii) it is clear that Yoon does not disclose or teach the "identifier" as claimed.

Yoon thus does not anticipate claim 1. Accordingly, and for any of the aforementioned reasons, reversal of the rejection of independent claim 1 as being anticipated under pre-AIA 35 U.S.C. § 102(e) by Yoon is respectfully requested. Likewise, reversal of the rejection of its dependent claims 2-5 and 9 under pre-AIA 35 U.S.C. § 102(e) is respectfully requested.

Yoon does not disclose receiving the advertisement delivered by advertisement providing server 2 in the claimed manner

Claim 1 recites "receiving, via the computer program, the identifier delivered by the content delivery platform software after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest."

Yoon relates to a "[s]ystem and its method for providing real time advertisements based on location under navigation's operation." Title. The main embodiment of Yoon, which is the only embodiment using real time location data, involves using a navigation terminal 3, as shown in Fig. 4, that provides a map information guidance service such as route guidance or location search. Paragraphs [0004], [0015], [0035]. As shown in Figs. 2 and 3 and discussed at paragraph [0029] of Yoon, the advertisement providing server 2 receives in a step S10, via its advertisement request receiving means 21, an advertisement area and period from an advertiser terminal 4. Next, in a step S20, an advertisement transmitting means 22 of the advertisement providing server 2 transmits the advertisement as part of broadcast data to the navigation terminal 3. Paragraphs [0029], [0030]. The navigation terminal 3 receives the broadcast data and the advertisement receiving means 31 of the navigation terminal 3 extracts the information of the advertisement and stores this

information in an advertisement database 310. Paragraph [0031]. During real time route guidance, a user's location comparing means 32 of navigation terminal 3 "regards a location on the map as a user's location, and compares the user's location with the advertisement area in real time" in a step S40. Paragraph [0032]. Next, in a step S50, if the user's location is in the advertisement area, the advertisement inquiring means 33 inquires out at least one corresponding advertisement stored in the advertisement DB 310. Paragraph [0033]. Finally, in a step S60, "[t]he inquired advertisement is informed to the user by the advertisement informing means 34 through a speaker unit 302 or a display unit 303." Paragraph [0034].

In summary, in steps S20 and S40 of Yoon, advertisement providing server 2, which is cited by the Examiner as corresponding to the claimed "content delivery platform software," transmits the advertisement as part of broadcast data to the navigation terminal 3, then it is stored in advertisement database 310 until it is has been determined that navigation terminal 3 is in the advertisement area, at which time the advertisement is inquired and informed to the user. Thus, the advertisement is ***received*** by navigation terminal 3 from the advertisement providing server 2 in step S20, ***before*** it has determined that the navigation terminal enters into the advertisement area in step S40. This is different from what is recited in claim 1, which is "**receiving**, via the computer program, the identifier delivered by the content delivery platform software ***after* it has been determined**, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest." Accordingly, Yoon does not disclose this step of claim 1.

For these additional reasons, Yoon does not anticipate claim 1. Based on the foregoing additional reasons, reversal of the rejection of independent claim 1 under 35 U.S.C. § 102(e) is

respectfully requested. Likewise, reversal of the rejection of its dependent claims 2-5 and 9 under 35 U.S.C. § 102(e) is respectfully requested.

Yoon does not disclose code comprising an instruction for sending, to content delivery platform software, geographic reservation data comprising a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest

Claim 1 recites "code [comprising] at least one instruction for: sending, to content delivery platform software: [] geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest."

The Examiner asserts that Fig 3. and paragraphs [0019]-[0020], [0023], [0029], and [0035] of Yoon show "advertisement providing server 2" where "advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser" (emphasis in original) and that this discloses such code. While the "advertiser terminal 4" in paragraph [0029] of Yoon can "connect[] to a homepage of the advertisement providing server 2, select[] advertisement registration, register[] an advertisement file according to guidance information, and set[] advertisement area and period" and the "advertisement request receiving means 21 of the advertisement providing server 2" can "store[] the advertisement received through the wire or wireless network into an advertisement DB 210 (S10)," neither this paragraph nor Fig 3. nor paragraphs [0019]-[0020], [0023], [0029], and [0035] of Yoon remotely mention anything related to sending geographic reservation data comprising geometric constructs used to establish at least one perimeter as a

boundary for the selected geographic area of interest. The Examiner's assertion that Yoon teaches this feature of claim 1 is speculative and not supported by any evidence, and thus the Examiner has not fulfilled the initial duty of supplying a factual basis in this regard. See *In re Warner*, 379 F.2d at 1017.

It should also be noted that at least the terms "geometric construct", "perimeter", and "boundary" are nowhere to be found in the entire Yoon disclosure; thus, it is unclear how the Examiner is asserting that Yoon includes this limitation. The Examiner appears to be relying on inherent disclosure of the features of claim 1; however, "[i]n relying upon the theory of inherency, the examiner must provide a basis in fact and/or technical reasoning to reasonably support the determination that the allegedly inherent characteristic *necessarily* flows from the teachings of the applied prior art." *Ex parte Levy*, 17 USPQ2d 1461, 1464 (Bd. Pat. App. & Inter. 1990) (emphasis in original)). The Examiner has provided no evidence or technical reasoning establishing that Yoon *necessarily* provides such a disclosure.

The Examiner has the burden of explaining how Yoon discloses or teaches this feature of claim 1, and the Examiner's explanation in this regard is deficient. See *In re Oetiker,* 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant."). Accordingly, Yoon does not disclose this feature of claim 1.

Anticipation of claim 1 by Yoon has not been established. Based on the foregoing additional reason, reversal of the rejection of independent claim 1 under 35 U.S.C. § 102(e) is

respectfully requested. Likewise, reversal of the rejection of its dependent claims 2-5 and 9 under 35 U.S.C. § 102(e) is respectfully requested.

a. Dependent Claim 2: Argued Separately

Claim 2 recites:

"The system of claim 1, wherein the code further comprises at least one instruction for, in response to receiving, via the computer program, the identifier delivered by the content delivery platform software, displaying, via a connected display device, content associated with the selected geographic area of interest."

As discussed above and shown by steps S20 and S40 of Yoon, the advertisement is received from the advertisement providing server 2—which is cited as corresponding to the claimed "content delivery platform software"—in step S20, which is before it is determined that the navigation terminal enters into the advertisement area in step S40. Thus, the displaying in step S60 of Yoon is not **in response to receiving the identifier delivered by the content delivery platform software**. Accordingly, Yoon does not disclose this step of claim 2.

Yoon thus does not anticipated claim 2. For this additional reason, reversal of the rejection under 35 U.S.C. § 102(e) of dependent claim 2 is respectfully requested.

b. Dependent Claim 3: Argued Separately

Claim 3 recites:

"The system of claim 1, wherein:

the code further comprises at least one instruction for sending the identifier to the content delivery platform software; and

the computer program is **an application program**."

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As noted above with respect to claim 1, Yoon does not disclose or teach the "identifier" as claimed. As such, Yoon does not disclose code further comprising at least one instruction for sending the identifier to the content delivery platform software. Furthermore, there are no details regarding the configuration of navigation terminal shown in Fig. 4 of Yoon with respect to any application program. Thus, it is completely unclear how the Examiner is asserting that the navigation terminal includes **an application program**. Accordingly, Yoon does not disclose or teach these limitations of claim 3.

Anticipation of claim 3 by Yoon has not been established. For this additional reason, reversal of the rejection under 35 U.S.C. § 102(e) of dependent claim 3 is respectfully requested.

c. Dependent Claims 4-5: Argued Separately

Claim 4 recites:

"The system of claim 1, wherein:
the geometric construct comprises at least a latitude value, a longitude value, and a radius value; and
the geographic reservation data further comprises information indicating an area bounded by the at least one perimeter as the selected geographic area of interest."

The Examiner asserts that Yoon discloses claim 4 because "coordinate position of the navigation terminal is in the advertisement area; a distance tolerance is used to determine that the user's location is within the advertisement area," citing paragraphs [0020], [0023], [0029], and [0035] of Yoon. (Final Office Action, page 21, lines 5-7; repeated in lines 9-11). This assertion by the Examiner is speculative and not supported by any evidence, and thus the Examiner has not fulfilled the initial duty of supplying a factual basis in this regard. See *In re Warner*, 379 F.2d at 1017.

It should be noted that at least the terms "geometric construct", "latitude", "longitude", "radius", "geographic", and "perimeter" are nowhere to be found in the entire Yoon disclosure; thus, it is completely unclear how the Examiner is asserting that Yoon includes this limitation. The Examiner appears to be relying on inherent disclosure of the features of claim 4; however, "[i]n relying upon the theory of inherency, the examiner must provide a basis in fact and/or technical reasoning to reasonably support the determination that the allegedly inherent characteristic *necessarily* flows from the teachings of the applied prior art." *Ex parte Levy*, 17 USPQ2d 1461, 1464 (Bd. Pat. App. & Inter. 1990) (emphasis in original)). The Examiner has provided no evidence or technical reasoning establishing that Yoon *necessarily* provides such a disclosure.

Yoon states that "the user's location comparing means 32 judges whether a [user's location] is in the advertisement area registered by the advertiser." Paragraph [0023]. Yoon additionally provides that "[t]he advertisement area may be a specific area or *a specific place*" (emphasis added). Paragraph [0020]. Yoon then provides two examples in paragraph [0023] describing the "user's location comparing means 32" with respect to "the advertisement area". Silent from each of these examples is any indication of the claimed "radius value" or any necessary inherency thereof—the second example merely mentions "(square coordinates) of the advertisement area" with no explanation of how coordinates can be "square" or any mention of the advertisement area using any particular coordinate system; whereas the first example doesn't refer to an area at all but instead uses paragraph [0020]'s "specific place" definition ("the user's location comparing means 32 calculates a distance between the user's location and *a location of the advertisement*"). (Emphasis added.) Yoon's distance between two locations calculation is not claim 4's limitation, which pertains to "enter[ing] a selected geographic area of interest". Even more so, with respect to Yoon disclosing "in the case that the distance exists within the tolerance"

and "[the user's location comparing means 32] judges that the user's location is in the advertisement area" in paragraph [0023], (i) "exist[ing] within" is still not claim 4's limitation, and (ii) there is no indication that a radius value necessarily flows from Yoon's mention of the terms "within the tolerance" or "in the advertisement area". Yoon provides no details regarding what "within the tolerance" means or what shape "the advertisement area" comprises, thus no "radius value" can even be implied from Yoon, let alone, necessarily flow from Yoon. Even in paragraph [0035] of Yoon, which is the only instance Yoon mentions entry of an area, Yoon remains silent on any geometric construction, let alone, anything comprising a latitude value, a longitude value, or a radius value.

Nevertheless, this assertion by the Examiner is a red herring, as the cited paragraphs in Yoon lack, and the Examiner's assertion(s) do not address, claim 4's "system of claim 1, wherein: the geometric construct comprises at least a latitude value, a longitude value, and a radius value; and the geographic reservation data further comprises information indicating an area bounded by the at least one perimeter as the selected geographic area of interest," especially when considered in light of the Specification.

"The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability." *In re Oetiker,* 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992). In order to establish a *prima facie* case of anticipation for such features, the Examiner is required to indicate where Yoon expressly discloses such a feature or provide evidence and/or technical reasoning explaining how this feature is inherently described in Yoon. "A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). There is no express disclosure in Yoon, and the Examiner

has not set forth a basis in fact and/or technical reasoning to reasonably support the determination that the allegedly inherent characteristic(s) *necessarily* flow from Yoon. Accordingly, Yoon does not disclose or teach these limitations of claim 4.

Anticipation of claim 4 by Yoon has not been established. For these additional reasons, reversal of the rejection under 35 U.S.C. § 102(e) of dependent claim 4 is respectfully requested. Likewise, reversal of the rejection of its dependent claim 5 under 35 U.S.C. § 102(e) is respectfully requested.

d. Dependent Claim 5: Argued Separately

Claim 5 recites:

"The system of claim 4, wherein:

the selected geographic area of interest is a first selected geographic area of interest;

and

the code further comprises at least one instruction for sending, to the content delivery platform software, a second request to have an identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered a second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest."

As noted above with respect to claim 1, a POSITA would understand that the advertisement and its text in Yoon are different from the "identifier" of claim 5. Furthermore, similar to what is noted above with respect to claim 1, the Examiner's rejection fails to address that claim 5's "identifier" is "associated with a second selected geographic area of interest." Additionally, the Examiner's rejection fails to address the second selected geographic area of interest is distinct from

the first selected geographic area of interest. Accordingly, Yoon does not disclose or teach these limitations of claim 5.

Anticipation of claim 5 by Yoon has not been established. For these additional reasons, reversal of the rejection under 35 U.S.C. § 102(e) of dependent claim 5 is respectfully requested.

e. Dependent Claim 9: Argued Separately

Claim 9 recites:

"The system of claim 1, wherein the identifier is to be delivered exclusively to the computer program and not to be broadcast to other computer programs on the mobile device."

The Examiner has not provided any reasoning or evidence to understand how the Examiner is asserting that Yoon discloses the features of claim 9. "The examiner bears the initial burden ... of presenting a *prima facie* case of unpatentability." *In re Oetiker,* 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992). As stated by the Federal Circuit in *In re Jung*, 637 F.3d 1356, 1362 (Fed. Cir. 2011):

> As this court has repeatedly noted, "the prima facie case is merely a procedural device that enables an appropriate shift of the burden of production." *Hyatt v. Dudas*, 492 F.3d 1365, 1369 (Fed. Cir. 2007) (citing *In re Oetiker*, 977 F.2d 1443, 1445 (Fed. Cir. 1992). See also *In re Piasecki*, 745 F.2d 1468, 1472 (Fed. Cir. 1984). The Patent and Trademark Office ("PTO") satisfies its initial burden of production by "adequately explain[ing] the shortcomings it perceives so that the applicant is properly notified and able to respond." *Hyatt*, 492 F.3d at 1370. In other words, the PTO carries its procedural burden of establishing a prima facie case when its rejection satisfies 35 U.S.C. § 132, in "notify[ing] the applicant . . . [by] stating the reasons for [its] rejection, or objection or requirement, together with such information and references as may be useful in judging of the propriety of continuing the prosecution of [the] application." 35 U.S.C. § 132. That section "is violated when a rejection is so uninformative that it prevents the applicant from recognizing and seeking to counter the grounds for rejection." Chester v. Miller, 906 F.2d 1574, 1578 (Fed. Cir. 1990).

It is respectfully submitted that the present conclusory rejections—i.e., rejections that clearly do not address the claim language or "adequately explain the shortcomings" perceived in

the present application—clearly do not satisfy the requirements of a *prima facie* case. Accordingly, Yoon does not disclose or teach this limitation of claim 9.

Anticipation of claim 9 by Yoon has not been established. For this additional reason, reversal of the rejection under 35 U.S.C. § 102(e) of dependent claim 9 is respectfully requested.

2. Independent Claim 10; Dependent Claims 11-12, 16, 20, 22-23, and 27-28

Independent claim 10 recites:

"A system for creating and offloading location awareness, the system including a mobile device and comprising:
at least one memory;
at least one processor operably coupled to the at least one memory; and
code configured for execution by the at least one processor, wherein the code comprises at least one instruction for:
receiving, via content delivery platform software:
a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on the mobile device *after it has been determined*, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and
geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest;
reserving, in the at least one memory, the selected geographic area of interest for delivery of the identifier to the computer program;
obtaining location information representing at least one physical geographic location of the mobile device; and
delivering the identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest."

As noted above with respect to claim 1, the Examiner's rejection fails to address that the claimed "identifier" is "associated with a selected geographic area of interest." Also as noted above with respect to claim 1, the Examiner has the burden of explaining how the advertisement or its text are an "identifier," and the Examiner's explanation in this regard is deficient. See *In re*

Oetiker, 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant."). Furthermore, as noted above with respect to claim 1, a POSITA would understand that the advertisement and its text in Yoon are different from the "identifier" in light of the Specification in claim 10. Thus, Yoon does not disclose or teach the "identifier" as claimed.

Also as noted above with respect to claim 1, in steps S20 and S40 of Yoon, advertisement providing server 2, which is cited by the Examiner as corresponding to the claimed "content delivery platform software," transmits the advertisement as part of broadcast data to the navigation terminal 3, then it is stored in advertisement database 310 until it is has been determined that navigation terminal 3 is in the advertisement area, at which time the advertisement is inquired and informed to the user. Thus, the advertisement is ***delivered*** to navigation terminal 3 from the advertisement providing server 2 in step S20, ***before*** it has determined that the navigation terminal enters into the advertisement area in step S40. This is different from what is recited in claim 10, which is "delivering the identifier to the computer program ***after*** **it has been determined**, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest." Accordingly, Yoon does not disclose this step of claim 10.

Also as similarly noted above with respect to claim 1, the Examiner asserts that Fig 3. and paragraphs [0019]-[0020], [0023], [0029], and [0035] of Yoon show "advertisement providing server 2" where "advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the

advertisement, from the advertiser" (emphasis in original) (Final Office Action, page 22, lines 15-18; page 23, lines 7-14) and that this discloses claim 10's "code [comprising] at least one instruction for: receiving, via content delivery platform software: [] geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest." However, these paragraphs of Yoon do not remotely mention anything related to receiving geographic reservation data comprising geometric constructs used to establish at least one perimeter as a boundary for the selected geographic area of interest. The Examiner's assertion that Yoon teaches this feature of claim 10 is speculative and not supported by any evidence, and thus the Examiner has not fulfilled the initial duty of supplying a factual basis in this regards. See *In re Warner*, 379 F.2d at 1017.

It should also be noted that at least the terms "geometric construct", "perimeter", and "boundary" are nowhere to be found in the entire Yoon disclosure; thus, it is completely unclear how the Examiner is asserting that Yoon includes this limitation. The Examiner appears to be relying on inherent disclosure of the features of claim 10; however, "[i]n relying upon the theory of inherency, the examiner must provide a basis in fact and/or technical reasoning to reasonably support the determination that the allegedly inherent characteristic *necessarily* flows from the teachings of the applied prior art." *Ex parte Levy*, 17 USPQ2d 1461, 1464 (Bd. Pat. App. & Inter. 1990) (emphasis in original)). The Examiner has provided no evidence or technical reasoning supporting that this feature *necessarily* is present in Yoon.

The Examiner has the burden of explaining how Yoon discloses or teaches this feature of claim 10, and the Examiner's explanation in this regard is deficient. See *In re Oetiker,* 977 F.2d

1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant."). Accordingly, Yoon does not disclose this feature of claim 10.

Anticipation of claim 10 by Yoon has not been established. For any of these reasons, reversal of the rejection under 35 U.S.C. § 102(e) of independent claim 10 is respectfully requested. Likewise, reversal of the rejection of its dependent claims 11-12, 16, 20, 22-23, and 27-28 under 35 U.S.C. § 102(e) is respectfully requested.

a. Dependent Claims 11 and 28: Argued Separately

Claim 11 recites:

"The system of claim 10, wherein the code further comprises at least one instruction for:
sending, to the content delivery platform software, the request and the geographic reservation data; and
receiving, via the computer program, the identifier in response to the delivering."

Claim 11's code limitation includes the system of claim 10 wherein the code further comprises at least one instruction for sending the request that is included in Claim 10. This request includes the "identifier" as claimed that, as noted above with respect to claim 1 and claim 10, Yoon does not disclose or teach. Thus, Yoon does not disclose or teach "code" "further compris[ing] at least one instruction for sending" "the request". Also, as noted above with respect to claim 1, Yoon does not disclose or teach code comprising an instruction for sending, to content delivery platform software, "geographic reservation data comprising a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest". Thus, Yoon does not disclose or teach the "sending" of the "geographic reservation data" in Claim 11. Hence, Yoon

does not disclose or teach "sending, to the content delivery platform, the request and the geographic reservation data."

Also, as noted above with respect to claim 1, Yoon does not disclose or teach receiving the advertisement delivered by advertisement providing server 2 in the claimed manner. Hence, Yoon does not disclose or teach "receiving, via the computer program, the identifier in response to the delivering."

Anticipation of claim 11 by Yoon has not been established. For any of these additional reasons, reversal of the rejection under 35 U.S.C. § 102(e) of dependent claim 11 is respectfully requested. Likewise, reversal of the rejection of its dependent claim 28 under 35 U.S.C. § 102(e) is respectfully requested.

b. Dependent Claim 12: Argued Separately

Claim 12 recites:

"The system of claim 10, wherein: the code further comprises at least one instruction for:
receiving the identifier via the content delivery platform software; and
in response to receiving the identifier via the content delivery platform software, storing, in the at least one memory, the identifier; and
delivering the identifier to the computer program comprises delivering the identifier from the at least one memory."

As noted above with respect to claim 1 and claim 10, Yoon does not disclose or teach the "identifier" as claimed. Hence, Yoon does not disclose or teach "receiving the identifier via the content delivery platform", "storing" "the identifier" "in the at least one memory" "in response to receiving" it, or "delivering the identifier" "from the at least one memory" "to the computer program" as claimed. Also, as noted above with respect to claim 10, Yoon does not disclose or teach delivering the advertisement by advertisement providing server 2 in the claimed manner.

Hence, Yoon does not disclose or teach "delivering the identifier to the computer program" as claimed.

Anticipation of claim 12 by Yoon has not been established. For any of these additional reasons, reversal of the rejection under 35 U.S.C. § 102(e) of dependent claim 12 is respectfully requested.

c. Dependent Claim 20: Argued Separately

Claim 20 recites:

"The system of claim 16, wherein the determining considers whether at least a predetermined portion of the selected geographic area of interest intersects the mobile device's location circle, wherein the location circle comprises the area contained within a predetermined radius of the geographic location of the mobile device."

The Examiner cites Yoon paragraphs [0023] and [0033] as disclosing the features of claim 20.

Paragraph [0023] of Yoon discloses:

> When navigation is operated in the navigation terminal, the user's location comparing means 32 judges whether a current location (hereinafter referred to as a user's location) regarded as a user's location (GPS (Global Positioning System) coordinates or map coordinates) is in the advertisement area registered by the advertiser. For example, the user's location comparing means 32 calculates a distance between the user's location and a location of the advertisement, and in the case that the distance exists within the tolerance, judges that the user's location is in the advertisement area. Alternatively, the user's location comparing means 32 compares the coordinates of the current location with the coordinates (square coordinates) of the advertisement area to judge whether the user's location is in the advertisement area.

Paragraph [0033] of Yoon discloses:

> As a comparison result, in the case that the user's location is in the advertisement area, the advertisement inquiring means 33 inquires out at least one corresponding advertisement stored in the advertisement DB 310 (S50).

Neither of these paragraphs remotely mentions a "mobile device's location circle."

In order to establish a *prima facie* case of anticipation for such features, the Examiner is required to indicate where Yoon expressly discloses such a feature or provide evidence and/or technical reasoning explaining how this feature is inherently described in Yoon. "A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). There is no express disclosure in Yoon, thus the Examiner appears to be relying on inherent disclosure of the features of claim 20. "In relying upon the theory of inherency, the examiner must provide a basis in fact and/or technical reasoning to reasonably support the determination that the allegedly inherent characteristic *necessarily* flows from the teachings of the applied prior art." *Ex parte Levy*, 17 USPQ2d 1461, 1464 (Bd. Pat. App. & Inter. 1990) (emphasis in original)). The Examiner has not set forth a basis in fact and/or technical reasoning to reasonably support the determination that the allegedly inherent characteristic *necessarily* flows from Yoon. Accordingly, Yoon does not disclose or teach these limitations of claim 20.

Anticipation of claim 20 by Yoon has not been established. For this additional reason, reversal of the rejection under 35 U.S.C. § 102(e) of dependent claim 20 is respectfully requested.

d. Dependent Claim 22: Argued Separately

Claim 22 recites:

"The system of claim 10, wherein:
the code further comprises at least one instruction for:
receiving, via the content delivery platform software:
a second request to have a second identifier, being associated with a second selected geographic area of interest, **delivered to a second**

computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered a second selected geographic area of interest; and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second identifier to the second computer program, wherein the second geographic reservation data comprises a second geometric construct used to establish at least one perimeter as a boundary for the second selected geographic area of interest;

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second identifier to the second computer program; and

delivering the second identifier to the second computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest."

As noted above with respect to claim 1 and claim 10, the Examiner's rejection fails to address that the claimed "identifier" is "associated with a selected geographic area of interest." The same applies with claim 22's "second identifier". Also as noted above with respect to claim 1 and claim 10, the Examiner has the burden of explaining how the advertisement or its text are an "identifier," and the Examiner's explanation in this regard is deficient. Yoon does not disclose or teach the "identifier" as claimed. The same applies with claim 22's "second identifier".

Also, as noted above with respect to claim 10, Yoon does not disclose or teach delivering the advertisement by advertisement providing server 2 in the claimed manner. The same applies with claim 22's "second identifier."

Also, as noted above with respect to claim 1 and claim 10, Yoon does not disclose or teach receiving geographic reservation data comprising geometric constructs used to establish at least one perimeter as a boundary for the selected geographic area of interest. The same applies with claim 22's "second geographic reservation data", "second geometric constructs", "second selected

geographic area of interest". Accordingly, Yoon does not disclose or teach these limitations of claim 22.

Moreover, there is absolutely no indication that Yoon discloses the features of claim 22 because Yoon especially does not disclose "the code further comprising at least one instruction for: receiving, via the content delivery platform software: **a second request to have a second identifier**, being associated with a second selected geographic area of interest, ***delivered to a second computer program*** **on the mobile device** after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered a second selected geographic area of interest" as recited in claim 22. The Final Office Action cites all the paragraphs of Yoon that were used to reject claim 10 to reject claim 22 but does not point to where these paragraphs teach requests are received to have anything delivered to two different computer programs on the same mobile device, and a POSITA would not find any portions of these cited paragraphs of Yoon remotely providing such a disclosure.

In contrast, paragraphs [0029], [0039], [0051] and [0054] for example of the present specification disclose that two different computer programs, in the form of registered applications, can be executed on the same mobile device, and thus requests for content such as identifiers can be received by the content delivery platform software for delivery to two different computer programs running on the same mobile device. Yoon does not provide any remotely analogous disclosure.

The Examiner responds at page 10, lines 7 to 13 of the Final Office Action by stating:

> The examiner respectfully disagrees because paragraph [0029] of Yoon clearly shows that more than one advertisement can be sent to the navigation terminal. Furthermore, a POSITA will recognize that the advertiser terminal 4 is not just a terminal capable of signing up to send ads just once. This can always be done as

needed, per the advertiser's budget or need. The advertisement can also be sent and presented to the navigation device via other media and interface other the popup window, thus indicating other computer programs ([0030], [0035]).

However, there is no support in paragraphs [0030] and [0035] of Yoon for these assertions.

Paragraph [0030] of Yoon discloses:

> Referring to FIG. 3, the advertisement providing server 2 transmits the advertisement to the navigation terminal 3 using broadcasting including DMB, DVB-H, MediaFLO, ISDB-T or DAB as a communication path. At this time, in the case that the advertisement providing server 2 is administered by a broadcaster the advertisement providing server 2 may insert information of the advertisement into its program and transmit the advertisement. In the case that the advertisement providing server 2 is not administered by a broadcaster, the advertisement providing server 2 transmits an advertisement file to the external broadcaster to request for broadcasting. In the case of DMB broadcasting, the information of the advertisement is cyclically broadcast each a predetermined time in a repeated manner. Therefore, it is possible to transmit advertisement registration of the advertiser to the navigation terminal 3 in real time. Although this embodiment shows the advertisement is transmitted to the navigation terminal 3 using the DMB communication network, the present invention is not limited in this regard, for example a variety of wire or wireless networks such as a wire or wireless Internet network or a mobile communication network may be used.

Paragraph [0035] of Yoon discloses:

> Referring to FIG. 4, while the user is informed of a route in real time, in the case that the user's location enters a specific advertisement area, the corresponding advertisement of the advertiser is displayed as a pop-up window 101. In the case that the user sets an operation mode of the navigation terminal 3 to a video mode, while output of the speaker unit 302 is blocked, and the advertisement is displayed on a map screen of the display unit 303. Here, the pop-up window 101 is just an example taken for convenience of description, and type of an advertisement interface of the present invention is not limited in this regard. The advertisement interface may have various types, for example audio file informing or advertisement displaying on the map, according to setting of the advertiser. Meanwhile, an advertisement may be provided regardless of location of a specific area on the map. For example, an advertiser having a branch office located in an area A can register and make an advertisement intended for an area B (a target advertisement intended for users of an area B).

Paragraph [0030] of Yoon merely discloses that in different embodiments the advertisement can be transmitted by the advertisement providing server 2 to the navigation

terminal 3 using different broadcasting technologies. There is no support in this paragraph of "receiving, via the content delivery platform software: **a second request to have a second identifier**, being associated with a second selected geographic area of interest, ***delivered to a second computer program* on the mobile device**…." There is no indication in paragraph [0030] of Yoon that navigation device 3—the asserted "mobile device"—is configured to run more than a single computer program, or that advertisement providing server 2—the asserted "content delivery platform software"—receives different requests to have different identifiers delivered to different computer programs on navigation terminal 3.

Paragraph [0035] of Yoon merely discloses that the navigation terminal 3 can display the advertisement as video or simply provide the advertisement as an audio file. There is no support in this paragraph of "receiving, via the content delivery platform software: **a second request to have a second identifier**, being associated with a second selected geographic area of interest, ***delivered to a second computer program* on the mobile device**…." There is no indication in paragraph [0035] of Yoon that navigation device 3 is configured to run more than a single computer program, or that different requests are received by advertisement providing server 2 to have different identifiers delivered to different computer programs on navigation terminal 3. In particular, in contrast to the Examiner's apparent assertions, there is no support that advertisement providing server 2 would receive a first request to have a video advertisement delivered to a first computer program on navigation terminal 3, and would receive a second request to have an audio advertisement delivered to a second computer program on navigation terminal 3. Paragraph [0035] of Yoon seems to simply suggest that a single navigation interface on navigation terminal 3 can be modified to have the advertisement output as a video or audio. This interpretation becomes especially apparent when considering the description of "advertisement information means 34" in

Yoon paragraph [0025]: "The advertisement information means 34 *individually* informs the inquired advertisement through a speaker unit and a display unit of the navigation terminal. If a plurality of advertisements are inquired, the advertisements are informed *one by one*." (Emphasis added.) This clearly is not more than one computer program, nor does it disclose or teach the limitations of claim 22.

Additionally, there is nothing in either paragraph [0030] or [0035] that supports the Examiner's assertion that "[t]he advertisement can also be sent and presented to the navigation device via other media and interface other the popup window, thus indicating other computer programs ([0030], [0035])." This statement by the Examiner is completely speculative. It is well established that an examiner cannot simply fill in the gaps of references with speculation and unfounded assumptions. See *In re Warner*, 379 F.2d at 1017. The Examiner here is relying on some unforeseen hypothetical scenario, which is the definition of speculation, not based on any factual basis in the prior art. Nor does the Examiner even fully address the above-emphasized claim language. Accordingly, Yoon does not disclose or teach these limitations of claim 22.

Anticipation of claim 22 by Yoon has not been established. For these additional reasons, reversal of the rejection under 35 U.S.C. § 102(e) of dependent claim 22 is respectfully requested.

e. Dependent Claim 23: Argued Separately

Claim 23 recites:

"The system of claim 10, wherein:
the code further comprises at least one instruction for:
receiving, via the content delivery platform software:
a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program after it has been determined, by at least use of location information representing at least one physical geographic

location of the mobile device, that the mobile device has at least entered a second selected geographic area of interest; and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second identifier to the computer program, wherein the second geographic reservation data comprises a second geometric construct used to establish at least one perimeter as a boundary for the second selected geographic area of interest;

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second identifier to the computer program; and

delivering the second identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest."

As noted above with respect to claim 1 and claim 10, the Examiner's rejection fails to address that the claimed "identifier" is "associated with a selected geographic area of interest." The same applies with claim 23's "second identifier". Also as noted above with respect to claim 1 and claim 10, the Examiner has the burden of explaining how the advertisement or its text are an "identifier," and the Examiner's explanation in this regard is deficient. Yoon does not disclose or teach the "identifier" as claimed. The same applies with claim 23's "second identifier". Also, as noted above with respect to claim 10, Yoon does not disclose or teach delivering the advertisement by advertisement providing server 2 in the claimed manner. The same applies with claim 23's "second identifier." Also, as noted above with respect to claim 1 and claim 10, Yoon does not disclose or teach receiving geographic reservation data comprising geometric constructs used to establish at least one perimeter as a boundary for the selected geographic area of interest. The same applies with claim 23's "second geographic reservation data", "second geometric constructs", "second selected geographic area of interest". Accordingly, Yoon does not disclose or teach these limitations of claim 23.

Anticipation of claim 23 by Yoon has not been established. For these additional reasons, reversal of the rejection under 35 U.S.C. § 102(e) of dependent claim 23 is respectfully requested.

f. Dependent Claim 27: Argued Separately

Claim 27 recites:

"The system of claim 16, wherein determining that the mobile device has at least entered the selected geographic area of interest comprises determining that the mobile device has at least entered the selected geographic area of interest by at least use of a **specialized processor** for processing whether the mobile device has at least entered the selected geographic area of interest."

The Examiner cites paragraphs [0023] and [0033] of Yoon as disclosing the features of claim 20.

Paragraph [0023] of Yoon discloses:

> When navigation is operated in the navigation terminal, the user's location comparing means 32 judges whether a current location (hereinafter referred to as a user's location) regarded as a user's location (GPS (Global Positioning System) coordinates or map coordinates) is in the advertisement area registered by the advertiser. For example, the user's location comparing means 32 calculates a distance between the user's location and a location of the advertisement, and in the case that the distance exists within the tolerance, judges that the user's location is in the advertisement area. Alternatively, the user's location comparing means 32 compares the coordinates of the current location with the coordinates (square coordinates) of the advertisement area to judge whether the user's location is in the advertisement area.

Paragraph [0033] of Yoon discloses:

> As a comparison result, in the case that the user's location is in the advertisement area, the advertisement inquiring means 33 inquires out at least one corresponding advertisement stored in the advertisement DB 310 (S50).

Neither of these paragraphs remotely mentions a "specialized processor."

In order to establish a *prima facie* case of anticipation for such features, the Examiner is required to indicate where Yoon expressly discloses such a feature or provide evidence and/or technical reasoning explaining how this feature is inherently described in Yoon. "A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of*

California, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). There is no express disclosure in Yoon, thus the Examiner appears to be relying on inherent disclosure of the features of claim 27. "In relying upon the theory of inherency, the examiner must provide a basis in fact and/or technical reasoning to reasonably support the determination that the allegedly inherent characteristic *necessarily* flows from the teachings of the applied prior art." *Ex parte Levy*, 17 USPQ2d 1461, 1464 (Bd. Pat. App. & Inter. 1990) (emphasis in original)). The Examiner has not set forth a basis in fact and/or technical reasoning to reasonably support the determination that the allegedly inherent characteristic *necessarily* flows from Yoon. Accordingly, Yoon does not disclose or teach these limitations of claim 27.

Anticipation of claim 27 by Yoon has not been established. For this additional reason, reversal of the rejection under 35 U.S.C. § 102(e) of dependent claim 27 is respectfully requested.

g. Dependent Claim 28: Argued Separately

Claim 28 recites:

"The system of claim 11, wherein:
the code further comprises at least one instruction for determining that the mobile device has at least entered the selected geographic area of interest, wherein the at least one instruction for determining is configured for execution by a **specialized processor** of the mobile device, and the specialized processor is distinct from the at least one processor on which the at least one instruction for sending the request and the geographic reservation data to the content delivery platform software executes."

The Examiner cites paragraphs [0023] and [0033] of Yoon as disclosing the features of claim 28.

Paragraph [0032] of Yoon discloses:

> The user performs various operations including starting place search, destination search, route search, real time route guidance or map shift, and the user's location comparing means 32 regards a location on the map as a user's location, and

> compares the user's location with the advertisement area in real time (S40). For example, in the case of real time route guidance, the user's location is a real user's location, however in the case of destination search (for example, name search, address search or telephone number search), the user's location is not a real user's location, but is regarded as a real user's location and compared with the advertisement area.
>
> Paragraph [0033] of Yoon discloses:
>
> As a comparison result, in the case that the user's location is in the advertisement area, the advertisement inquiring means 33 inquires out at least one corresponding advertisement stored in the advertisement DB 310 (S50).
>
> Neither of these paragraphs remotely mentions a "specialized processor."

In order to establish a *prima facie* case of anticipation for such features, the Examiner is required to indicate where Yoon expressly discloses such a feature or provide evidence and/or technical reasoning explaining how this feature is inherently described in Yoon. "A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). There is no express disclosure in Yoon, thus the Examiner appears to be relying on inherent disclosure of the features of claim 28. "In relying upon the theory of inherency, the examiner must provide a basis in fact and/or technical reasoning to reasonably support the determination that the allegedly inherent characteristic *necessarily* flows from the teachings of the applied prior art." *Ex parte Levy*, 17 USPQ2d 1461, 1464 (Bd. Pat. App. & Inter. 1990) (emphasis in original)). The Examiner has not set forth a basis in fact and/or technical reasoning to reasonably support the determination that the allegedly inherent characteristic *necessarily* flows from Yoon. Accordingly, Yoon does not disclose or teach these limitations of claim 28.

Anticipation of claim 28 has not been established. For this additional reason, reversal of the rejection under 35 U.S.C. § 102(e) of dependent claim 28 is respectfully requested.

3. Independent Claim 29; Dependent Claim 32

Independent claim 29 recites:

"A non-transitory computer readable medium for creating and offloading location awareness, said non-transitory computer readable medium causing at least one processor to perform the steps of:

sending, to content delivery platform software:

a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on a mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest; and

receiving, via the computer program, the identifier delivered by the content delivery platform software after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest."

As noted above with respect to claim 1 and claim 10, the Examiner's rejection fails to address that the claimed "identifier" is "associated with a selected geographic area of interest." Also as noted above with respect to claim 1 and claim 10, the Examiner has the burden of explaining how the advertisement or its text are an "identifier," and the Examiner's explanation in this regard is deficient. See *In re Oetiker*, 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden ... of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant."). Furthermore, as noted above with respect to claim 1 and claim 10, a POSITA would understand that the advertisement and its text in Yoon are

different from the "identifier" in light of the Specification in claim 29. Thus, Yoon does not disclose or teach the "identifier" as claimed.

As also discussed above with respect to claim 1 and claim 10, Yoon does not disclose a non-transitory computer readable medium causing at least one processor to perform the step of "receiving, via the computer program, the identifier delivered by the content delivery platform software ***after*** **it has been determined**, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest." As shown by steps S20 and S40 of Yoon, the advertisement is ***received*** by navigation terminal 3 from advertisement providing server 2—which is cited by the Examiner as corresponding to the claimed "content delivery platform software"—in step S20, ***before*** it is has determined that the navigation terminal enters into the advertisement area in step S40. Furthermore, the advertisement request from the advertiser and received by the advertisement providing server in Yoon's step S10 is not a request for delivery to a computer program on a mobile device as claimed. Accordingly, Yoon does not disclose this step of claim 29.

Also, as similarly noted above with respect to claim 1 and claim 10, the Examiner asserts that Fig 3. and paragraphs [0019]-[0020], [0023], [0029], and [0035] of Yoon show "advertisement providing server 2" where "advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser" (emphasis in original) (Final Office Action, page 29, lines 16-22; page 30, lines 15-19) and that this discloses claim 29's "non-transitory computer readable medium causing at least one processor to perform the step[] of: sending, to content delivery platform software: [] geographic reservation data to have the selected geographic area of

interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest." However, these paragraphs of Yoon do not remotely mention anything related to sending geographic reservation data comprising geometric constructs used to establish at least one perimeter as a boundary for the selected geographic area of interest. The Examiner's assertion that Yoon teaches this feature of claim 29 is speculative and not supported by any evidenceand thus the Examiner has not fulfilled the initial duty of supplying a factual basis in this regard See *In re Warner*, 379 F.2d at 1017.

It should also be noted that at least the terms "geometric construct", "perimeter", and "boundary" are nowhere to be found in the entire Yoon disclosure; thus, it is completely unclear how the Examiner is asserting that Yoon includes this limitation. The Examiner appears to be relying on inherent disclosure of the features of claim 29; however, "[i]n relying upon the theory of inherency, the examiner must provide a basis in fact and/or technical reasoning to reasonably support the determination that the allegedly inherent characteristic *necessarily* flows from the teachings of the applied prior art." *Ex parte Levy*, 17 USPQ2d 1461, 1464 (Bd. Pat. App. & Inter. 1990) (emphasis in original)). The Examiner has provided no evidence or technical reasoning establishing that this feature *necessarily* flows from Yoon.

The Examiner has the burden of explaining how Yoon discloses or teaches this feature of claim 29, and the Examiner's explanation in this regard is deficient. See *In re Oetiker,* 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden

of coming forward with evidence or argument shift to the applicant."). Accordingly, Yoon does not disclose this feature of claim 29.

Anticipation of claim 29 by Yoon has not been established. For any of these reasons, reversal of the rejection under 35 U.S.C. § 102(e) of independent claim 29 is respectfully requested. Likewise, reversal of the rejection of its dependent claim 32 under 35 U.S.C. § 102(e) is respectfully requested.

a. Dependent Claim 32: Argued Separately

Claim 32 recites:

"The non-transitory computer readable medium of claim 29, wherein the identifier is an alphanumeric identifier."

As noted above with respect to claims 1, 10, and 29, a POSITA would understand that the advertisement and its text in Yoon are different from the "identifier" of claim 29 and are especially not an "alphanumeric identifier."

For this additional reason, reversal of the rejection under 35 U.S.C. § 102(e) of dependent claim 32 is respectfully requested.

4. Independent Claim 30

Independent claim 30 recites:

"A non-transitory computer readable medium for creating and offloading location awareness, said non-transitory computer readable medium causing at least one processor to perform the steps of:

receiving, via content delivery platform software:

a request to have an alphanumeric identifier, being associated with a selected geographic area of interest, delivered to a computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic

location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the alphanumeric identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest;

reserving, in at least one memory of the mobile device, the selected geographic area of interest for delivery of the alphanumeric identifier to the computer program;

obtaining location information representing at least one physical geographic location of the mobile device; and

delivering the alphanumeric identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest."

As noted above with respect to claims 1, 10, and 29, the Examiner's rejection fails to address that the claimed "identifier" is "associated with a selected geographic area of interest." Also as noted above with respect to claims 1, 10, and 29, the Examiner has the burden of explaining how the advertisement or its text are an "identifier," and the Examiner's explanation in this regard is deficient. See *In re Oetiker*, 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant."). Furthermore, as noted above with respect to claims 1, 10, and 29, a POSITA would understand that the advertisement and its text in Yoon are different from the "identifier" in light of the Specification in claim 30. Moreover, as noted above with respect to claim 32, a POSITA would understand that the advertisement and its text in Yoon are especially not an "alphanumeric identifier." Thus, Yoon does not disclose or teach the "alphanumeric identifier" as claimed.

As also discussed above with respect to claims 1, 10, and 29, Yoon does not disclose a non-transitory computer readable medium causing at least one processor to perform the step of

"delivering the alphanumeric identifier to the computer program ***after*** **it has been determined**, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest." As shown by steps S20 and S40 of Yoon, the advertisement is ***delivered*** to navigation terminal 3 from advertisement providing server 2—which is cited by the Examiner as corresponding to the claimed "content delivery platform software"—in step S20, ***before*** it is has determined that the navigation terminal enters into the advertisement area in step S40. Accordingly, Yoon does not disclose this step of claim 30.

Also, as similarly noted above with respect to claims 1, 10, and 29, the Examiner asserts that Fig 3. and paragraphs [0019]-[0020], [0023], [0029], and [0035] of Yoon show "advertisement providing server 2" where "advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser" (emphasis in original) (Final Office Action, page 31, lines 5-13; page 32, lines 3-10) and that this discloses claim 30's "non-transitory computer readable medium causing at least one processor to perform the step[] of: [] receiving, via content delivery platform software: [] geographic reservation data to have the selected geographic area of interest reserved for delivery of the alphanumeric identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest." However, these paragraphs of Yoon do not remotely mention anything related to receiving geographic reservation data comprising geometric constructs used to establish at least one perimeter as a boundary for the selected geographic area of interest. The Examiner's assertion is speculative and not supported by

any evidence, and thus the Examiner has not fulfilled the initial duty of supplying a factual basis in this regard.. See *In re Warner*, 379 F.2d at 1017.

It should also be noted that at least the terms "geometric construct", "perimeter", and "boundary" are nowhere to be found in the entire Yoon disclosure; thus, it is completely unclear how the Examiner is asserting that Yoon includes this limitation. The Examiner appears to be relying on inherent disclosure of the features of claim 30; however, "[i]n relying upon the theory of inherency, the examiner must provide a basis in fact and/or technical reasoning to reasonably support the determination that the allegedly inherent characteristic *necessarily* flows from the teachings of the applied prior art." *Ex parte Levy*, 17 USPQ2d 1461, 1464 (Bd. Pat. App. & Inter. 1990) (emphasis in original)). The Examiner has provided no evidence or technical reasoning establishing that this feature *necessarily* flows from Yoon.

The Examiner has the burden of explaining how Yoon discloses or teaches this feature of claim 30, and the Examiner's explanation in this regard is deficient. See *In re Oetiker,* 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant."). Accordingly, Yoon does not disclose this feature of claim 30.

Anticipation of claim 30 by Yoon has not been established. For any of these reasons, reversal of the rejection under 35 U.S.C. § 102(e) of independent claim 30 is respectfully requested.

C. Rejections under pre-AIA 35 U.S.C. § 103(a): Yoon and Lempio

The Office has rejected claims 7 and 8 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Lempio et al US 20030207683 (hereinafter Lempio).

In view of the above arguments with respect to independent claim 1, and because Lempio does not cure the above-mentioned deficiencies of Yoon, reversal of the rejections under pre-AIA 35 U.S.C. § 103(a) of these dependent claims 7 and 8 is respectfully requested.

1. Dependent Claims 7-8: Argued Separately

Claim 7 recites:

"The system of claim 1, wherein:
receiving, via the computer program, the identifier delivered by the content delivery platform software comprises receiving the identifier after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time."

The Examiner admits that Yoon does not disclose the features of claim 7 and cites Lempio as curing this deficiency of Yoon. In particular, the Examiner states, at page 35, lines 2 to 18 of the Final Office Action:

> In the same field of endeavor, Lempio discloses receiving, via a computer program (mobile station 300, with application software, see figs. 3 and 8, [0032]), a boundary identifier (~advertisement, see [0061]) delivered by a content delivery platform software (AP 400, see fig. 8, [0064]-[0065]), wherein said receiving comprises receiving the boundary identifier after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time (see fig. 8, [0040], [0054], [0056]-[0058], [0060]-[0061]).
> It would therefore have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention to combine the teaching of Lempio

> with Yoon by sending the advertisement to the mobile communication terminal when the mobile communication terminal is determined to be in an area covered by the ad server for a length of time, for the benefit of conserving bandwidth usage by transmitting the advertisements only when a mobile communication stays in the area of the ad server, as opposed to mobile communication terminals that may just be passing through the coverage area of the ad server.

Applicants submit that (a) Lempio does not disclose or teach the deficiencies of Yoon and thus a *prima facie* case of unpatentability has not been established, (b) the reasoning articulated by the Examiner lacks a rational underpinning, (c) the modification of Yoon in view of Lempio negatively affects the desired properties of Yoon, and thus (d) a POSITA at the time of the present invention would not have modified Yoon in view of Lempio in the manner alleged by the Examiner.

Lempio does not disclose or teach the deficiencies of Yoon

The Examiner asserts that Lempio discloses receiving, via the computer program, the identifier delivered by the content delivery platform software after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time. Applicant disagrees.

The Examiner asserts that paragraph [0061] of Lempio discloses an identifier (Final Office Action, page 35, line 4). Lempio discloses in paragraph [0061] that a mobile device can receive an advertisement; however, missing entirely from Lempio is any notion of the claimed "identifier" being received by a computer program on a mobile device or by a mobile device, let alone, an identifier being received under such conditions. As previously explained with respect to claim 1, Yoon's advertisement is not an identifier, and this likewise applies to the advertisement in Lempio.

As such, contrary to the assertions by the Examiner, Lempio does not cure Yoon's deficiency with respect to the "identifier" as claimed.

Furthermore, the Examiner asserts that Fig. 8 and paragraphs [0040], [0054], [0056]-[0058], and [0060]-[0061] of Lempio show "wherein said receiving comprises receiving the identifier after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time" (Final Office Action, page 35, lines 5-10); however, this assertion by the Examiner is speculative and not supported by any evidence, and thus the Examiner has not fulfilled the initial duty of supplying a factual basis in this regard. See *In re Warner*, 379 F.2d at 1017.

Missing entirely from Lempio is any notion of receiving after a determination that a mobile device has entered a geographic area of interest, let alone remaining therein for a predetermined length of time, using location information representing a physical geographic location of the mobile device as claimed. Although Lempio does mention the term "area" in the citations provided by the Examiner, neither in those citations nor anywhere else in Lempio is there any notion or mention of geography, geographic areas, geographic coordinates, defined geographic boundaries, or geographic determinations with respect to those areas, coordinates, and/or boundaries. Indeed, in the ninety-seven instances the noun "area" is mentioned in Lempio, ninety-six refer to a "*coverage* area," and the ninety-seventh refers to a "*first class lounge* area" in an airport. In each of these instances, Lempio never correlates its coverage area to geography, maps, or navigation; rather, *the "area" in Lempio refers to coverage area in terms of a wireless operating range between an access point/base station and a mobile station*, for example, short range wireless technology such as Bluetooth. Furthermore, Lempio's only mention of a "boundary" is found in

paragraph [0031], but this boundary does not relate to a defined boundary for a geographic area as claimed and described in the Applicants' Specification; the mention in fact does the opposite, pointing out that Lempio is not dealing with geographical areas having defined boundaries at all, but rather, ill-defined frequency ranges from an access point ("Although an infrared access point, rather than an RF access point may be employed, which eliminates *the inaccuracies associated with the boundaries of an access point's coverage area*, this introduces line-of-sight issues, as is well-known in the art.") (Emphasis added.) Lempio paragraph [0031].

In sum, Lempio does not disclose or teach receiving the claimed identifier, nor does Lempio disclose or teach a determination using location information representing a physical geographic location of a mobile device that the mobile device has entered a geographic area of interest, let alone remaining therein for a predetermined length of time, and to suggest such is mere speculation lacking evidentiary support—and thus the Examiner has not satisfied the initial duty of supplying the factual basis in this regard. See *In re Warner*, 379 F.2d at 1017. As such, contrary to the assertions by the Examiner, Lempio does not cure Yoon's deficiency with respect to this feature of claim 7.

For either of these reasons, a *prima facie* case of unpatentability has not been established, and thus the burden of coming forth with evidence or argument has not shifted to Applicants. See *In re Oetiker*, 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant."). Accordingly, reversal of the rejection of dependent claim 7 under pre-AIA 35 U.S.C. § 103(a) is

respectfully requested. Likewise, reversal of the rejection of its dependent claim 8 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

Combining Yoon and Lempio lacks a rational underpinning

Furthermore, it is respectfully submitted that the articulated reasoning from the Examiner that it would have been obvious to a POSITA to have modified Yoon in view of Lempio "for the benefit of conserving bandwidth usage by transmitting the advertisements only when a mobile communication [terminal] stays in the area of the ad server, as opposed to mobile communication terminals that may just be passing through the coverage area of the ad server" lacks a rational underpinning.

Lempio discloses "[a] system and method for location-dependent services for mobile stations using short range wireless technology such as Bluetooth." Abstract. The main problem solved by Lempio is with respect to mobile terminals receiving radio signals using short range wireless technology from base stations, determining whether to switch off the mobile stations if they have more than just a fleeting association with the coverage area of a network device providing the short range wireless network. Paragraphs [0002], [0003]. As discussed with respect to Fig. 1 of Lempio, a "network 100 includes an access point 400, which communicates with mobile stations within its coverage area 130 using a short range wireless technology such as Bluetooth." Paragraph [0029]. As discussed with respect to Fig. 2, an access point 202 can for example be provided for a conference room 204, but its coverage area can extend into the hallway 208 bordering the conference room 204. Paragraph [0031]. In order to prevent mobile devices passing through hallway 208 from being considered as being within the conference room 204 and being sent messages intended for those only in the conference room 204, messages are sent after a mobile device has remained in an access point's coverage area for a predefined period of time.

Paragraphs [0031], [0037]. Such a message can be a suggestion the mobile devices in the conference room 204 be in silent mode. Paragraph [0036].

Lempio discloses that in one embodiment, the message can be an advertisement or special offering. Paragraph [0061]. Lempio further states in paragraph [0061]:

> Mobile stations that stay awhile in the coverage area are likely to be more interested in the locally available services than mobile stations that are just passing through the coverage area and thus more receptive to receiving the service. Regardless of the service being offered, however, *transmitting* the service to a mobile station *based on its length of time within the coverage area also results in a more efficient usage of an access point's available bandwidth (which, as discussed above, in Bluetooth, is limited to only seven active connections)* since the service is sent first to intended recipients and mobile stations exhibiting a greater interest in available local services before sending it, if at all, to others. In short, *such limited bandwidth is far too precious to allocate to mobile stations having merely a fleeting association with the access point's coverage area.* (emphasis added)

Contrast Yoon, where, as discussed previously, the advertisement as shown by steps S20 to S40 is transmitted from the advertisement providing server 2 to the navigation terminal 3 in step S20, ***before*** there is any consideration of whether the navigation terminal enters into the advertisement area in step S40. Paragraphs [0029] to [0034]. "The advertisement receiving means 31 of the navigation terminal 3 receives the advertisement through the wire or wireless network, and stores the received advertisement into an advertisement DB 310 (S30)."

Thus, the subsequent display on navigation terminal 3 of the advertisement based on location is not temporally tied to transmitting the advertisement from the advertisement providing server 2 to the navigation terminal 3 in Yoon, and it is illogical based on the teachings of Yoon and Lempio to suggest that it would have been obvious to have modified Yoon to include "transmitting the advertisements only when a mobile communication [terminal] stays in the area of the ad server, as opposed to mobile communication terminals that may just be passing through the coverage area of the ad server."

This is especially true because the bandwidth issue identified in Lempio—that a wireless access point has "such limited bandwidth [that] is far too precious to allocate to mobile stations" and thus has a limited number of devices that can be actively connected to the access point (emphasized via italics above)—is not an issue in Yoon because the advertisement has already been broadcast to navigation terminal 3 in advance; it is only after the advertisement already resides on navigation terminal 3 does the advertisement then become displayed after the navigation terminal is in the advertisement area. The reasoning that such a modification of Yoon would be done "for the benefit of conserving bandwidth usage" thus lacks a rational underpinning because the location-based display of advertisements on the navigation terminal has no correlation to any bandwidth limitations—advertisement providing server has already broadcast the advertisement to the navigation terminal, and thus conserving bandwidth would be of no concern.

The only reason a POSITA would have proceeded in such a manner is if this person was using the present claims as a template for their own reconstruction. However, "[t]o draw on hindsight knowledge of the patented invention, when the prior art does not contain or suggest that knowledge, is to use the invention as a template for its own reconstruction—an illogical and inappropriate process by which to determine patentability." *Sensonics, Inc. v. Aerosonic Corp.*, 81 F.3d 1566, 1570 (Fed. Cir. 1996). Accordingly, for this additional reason, reversal of the rejection of dependent claim 7 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested. Likewise, reversal of the rejection of its dependent claim 8 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

The combination negatively affects desired properties of Yoon

Furthermore, modifying Yoon to include "sending the advertisement to the mobile communication terminal when the mobile communication terminal is determined to be in an area

covered by the ad server for a length of time" would be unsatisfactory for Yoon's intended purpose. A key feature of Yoon is for "providing real time advertisements based on location under navigation's operation" to navigation terminals. Title and Abstract. Unlike Lempio's coverage area that only surrounds an immediate range near a wireless base station, the advertising location in Yoon is a location from an advertiser and is not an area correlating to the coverage area where advertisement providing server 2 resides. As discussed previously, prior to an advertisement in Yoon being displayed on a navigation terminal 3, the advertisement is transmitted from advertisement providing server 2 via broadcast to the navigation terminal 3. Modifying Yoon in view of Lempio would prevent Yoon's navigation terminals from receiving advertisements from advertisement providing server 3 unless the navigation terminals are physically residing in a coverage area within wireless range of advertisement providing server 3. This would unnecessarily restrict Yoon's navigation terminals in their receiving of advertisement broadcasts, especially if the navigation terminals must, not only reside within, but also remain within, the coverage area of advertisement providing server 3 for a length of time, thus preventing those navigation terminals from freely navigating with those advertisements to be later displayed based on location in real time. Limiting delivery of advertisements to the navigation terminals to only occur in the coverage areas of advertisement providing servers inhibits the key feature of Yoon to provide real time advertisements from an advertiser based on location under navigation's operation.

Such a combination of Yoon and Lempio would require Yoon's navigation terminals to change course in their real-time navigation and first "visit" (or regularly "visit") and remain in the coverage area of the advertisement server in order to receive advertisements such that the navigation terminals may then later display the advertisements on the navigation terminals based on their location in advertisement areas, creating an inconvenient burden on the navigation

terminals in order for them to function as intended in Yoon. The Examiner fails to explain this shortcoming and extra burden that arises as a result of modifying Yoon in view of Lempio, and missing from the prior art and not explained by the Examiner is any suggestion why this modification would be desired, let alone its resulting shortcoming. See *In re Gordon*, 733 F.2d 900, 902 (Fed. Cir. 1984) ("The mere fact that the prior art could be so modified would not have made the modification obvious unless the prior art suggested the desirability of the modification.")

Absent any detailed explanation by the Examiner, it is unclear how the Examiner's proposed modification would not interfere with the key purpose of Yoon's real-time navigation, and the Examiner has not sufficiently explained why a POSITA would have modified Yoon by introducing this new burden on the navigation terminals. The Examiner has not considered Yoon as a whole, including its key features, and has not adequately shown that a POSITA would have combined the teachings of Yoon and Lempio in the manner asserted to arrive at claim 7. See *Polaris Indus., Inc. v. Arctic Cat, Inc.*, 882 F.3d 1056, 1069 (Fed. Cir. 2018) ("[A reference's] statements regarding preferences are relevant to a finding regarding whether a skilled artisan would be motivated to combine that reference with another reference."). Moreover, because the proposed combination would change the principle operation of Yoon, a POSITA would not have found it obvious to have selectively combined Yoon and Lempio in such a manner. See MPEP § 2143.01 ("If the proposed modification or combination of the prior art would change the principle of operation of the prior art invention being modified, then the teachings of the references are not sufficient to render the claims *prima facie* obvious. *In re Ratti*, 270 F.2d 810, 813, 123 USPQ 349, 352 (CCPA 1959)).

Simply picking and choosing from references only so much as will support the Examiner's position, to the exclusion of other parts necessary to the full appreciation of what such reference

fairly suggests to one of ordinary skill in the art, is an impermissible form of formulating an obviousness rejection. *See In re Wesslau*, 353 F.2d 238, 241 (1965) ("It is impermissible within the framework of section 103 to pick and choose from any one reference only so much of it as will support a given position, to the exclusion of other parts necessary to the full appreciation of what such reference fairly suggests to one of ordinary skill in the art."). Accordingly, for this additional reason, reversal of the rejection of dependent claim 7 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested. Likewise, reversal of the rejection of its dependent claim 8 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

A POSITA would not have modified Yoon in view of Lempio

The Examiner asserts that a POSITA would have looked to Lempio "for the benefit of conserving bandwidth usage by transmitting the advertisements only when a mobile communication stays in *the area of the ad server*, as opposed to mobile communication terminals that may just be passing through *the coverage area of the ad server*." (Emphasis added.) (Final Office Action, page 35, lines 15-18.). However, in saying this, the Examiner is conflating Lempio's coverage areas with respect to wireless frequencies with Yoon's geographic areas with respect to navigation.

As discussed above, Yoon uses GPS data to determine the location of a navigation terminal 3 in comparison to an advertiser's advertisement area (step S40, paragraphs [0023], [0032]), next "inquires out at least one corresponding advertisement stored in the advertisement DB" (step S50, paragraph [0033]), and then displays the advertisement on the navigation terminal 3 (step S60, paragraph [0034]).

Whereas Lempio, as discussed above, involves sending messages to mobile devices using short range wireless technology such as Bluetooth when the mobile devices are within coverage

range of an access point, and, as mentioned above, in the entire disclosure, Lempio's "coverage areas" are never correlated with geography or navigation. Lempio's disclosure of transmitting a service to mobile stations with a time period is to address issues with an access point's "limited bandwidth [that] is far too precious to allocate to mobile stations having merely a fleeting association with the access point's coverage area." (Lempio, paragraph [0061]) — a concern not present with Yoon's location-based display of advertisements, and in fact, a crutch to Yoon's key functionality if combined, as explained above. Indeed, the coverage areas of Yoon are starkly different than the navigation areas of Lempio, and a POSITA at the time of the present invention would not have had any reason to have selectively picked and chosen the time period feature of Lempio and applied it to Yoon because it does not make sense in the context of a moving GPS navigation terminal.

Yoon is concerned with displaying an advertisement to a moving GPS navigation terminal that is within a tolerance distance of an advertiser's advertisement location or in an advertisement area. Unlike Lempio, where the intent is to prioritize devices that stay awhile in a room or building within a wireless station's coverage area over those that are passing through the coverage area, the users of the navigation terminal are clearly moving in a vehicle and are always passing through areas. Thus, with the hindsight benefit provided by the present application, a POSITA would not have selected the time period components of Lempio that prefer one mobile terminal over another for the purpose of saving an access point's competing wireless bandwidth and applied it to Yoon.

The only reason a POSITA would have proceeded in such a manner is if this person was using the present claims as a template for their own reconstruction. However, "[t]o draw on hindsight knowledge of the patented invention, when the prior art does not contain or suggest that knowledge, is to use the invention as a template for its own reconstruction—an illogical and

inappropriate process by which to determine patentability." *Sensonics, Inc. v. Aerosonic Corp.*, 81 F.3d 1566, 1570 (Fed. Cir. 1996).

In view of the above, it is clear that the reasoning set forth by the Examiner lacks a rational underpinning, and a person having ordinary skill in the art would not have applied the time period aspect of a short range wireless communication technology to display advertisements on a navigation terminal of a terrestrial map information guidance service. This is especially true when the sequential differences between Yoon and Lempio are taken into consideration and also the negative effect on Yoon's functionality with the combination. Thus, the conflicting functionalities between the method of Yoon and that of Lempio, which are not at all addressed by the Examiner, undercut the rational underpinning of the combination of these references by the Examiner.

Neither Yoon nor Lempio provides the slightest indication to one of ordinary skill in the art at the effective filing date of the present application that using the time period aspect of Lempio in Yoon would have provided the alleged benefit—i.e., "for the benefit of conserving bandwidth usage." It is clear that the only reason for making the combination is knowledge gleaned only from the Applicant's disclosure, and thus the combination is based on improper hindsight bias.

For these additional reasons, reversal of the rejection of dependent claim 7 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested. Likewise, reversal of the rejection of its dependent claim 8 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

D. Rejections under pre-AIA 35 U.S.C. § 103(a): Yoon and Zellner

The Office has rejected claims 13, 14, 17, and 18 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Zellner et al US 20020077084 (hereinafter Zellner).

In view of the above arguments with respect to independent claim 10, and because Zellner does not cure the above-mentioned deficiencies of Yoon, reversal of the rejections under pre-AIA 35 U.S.C. § 103(a) of these dependent claims 13, 14, 17, and 18 is respectfully requested.

1. Dependent Claim 13: Argued Separately

Claim 13 recites:

"The system of claim 10, wherein **delivering the identifier** to the computer program comprises delivering the identifier **after it has been determined that the mobile device has at least remained within the selected geographic area of interest for at least a predetermined length of time**."

The Examiner admits that Yoon does not disclose the features of claim 13 and cites Zellner as curing this deficiency of Yoon. In particular, the Examiner states, at page 36, lines 13 to page 37, line 5 of the Final Office Action:

> In the same field of endeavor, Zellner discloses a system for creating and offloading location awareness (see fig. 1), the system including a mobile device (cell phone 10, see fig. 1) and comprising:
> at least one memory (third party/web advertiser/service provider (~memory storing code/software for enabling a processor to execute), see fig. 1, [0034], [0074]-[0075]), see abstract);
> at least one processor operably coupled to the at least one memory (third party/web advertiser/service provider (~memory storing code/software for enabling a processor to execute), see fig. 1, [0034], [0074]-[0075]); and
> code configured for execution by the at least one processor, wherein the code comprises at least one instruction for: delivering the identifier after it has been determined that the mobile device has at least remained within the selected geographic area of interest for at least a predetermined length of time (transmit user-specific or location specific voice or data advertisements to cell phone 10, when cell phone 10 is determined to be visiting a location 14 after a periodic location determinations indicates a stable location, see [0031]-[0035]).
> It would therefore have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Zellner with Yoon by providing location based advertisement to a navigation terminal only when it has been determined, based on predefined location measurements for a specific period of time, that the navigation terminal is still at or within the same location, for the benefit providing the location-specific advertisements only to mobile devices that

> are staying in or visiting the area of the determined location and not just passing by/moving through the location.

Applicants submit that (a) a *prima facie* case of unpatentability has not been established as (i) Zellner does not disclose or teach the deficiencies of Yoon and (ii) both the Examiner's articulated benefit and the motivation to modify Yoon in view of Zellner are not present in the prior art; and (b) the reasoning articulated by the Examiner lacks a rational underpinning and the combination renders the prior art unsatisfactory for its intended purpose, and thus a POSITA at the time of the present invention would not have modified Yoon in view of Zellner in the manner alleged by the Examiner.

No *prima facie* case: Zellner does not disclose or teach the deficiencies of Yoon

The Examiner asserts that Zellner discloses "code configured for execution by the at least one processor, wherein the code comprises at least one instruction for: delivering the identifier after it has been determined that the mobile device has at least remained within the selected geographic area of interest for at least a predetermined length of time" because, per the Examiner, paragraphs [0031]-[0035] of Zellner disclose "transmit user-specific or location specific voice or data advertisements to cell phone 10, when cell phone 10 is determined to be visiting a location 14 after a periodic location determinations indicates a stable location". (Final Office Action, page 36, line 22 to page 37, line 5.) Not only does the Examiner's interpretation of what Zellner discloses not match what Zellner actually discloses, but even a correct interpretation of Zellner shows that Zellner does not disclose claim 13.

Zellner at paragraphs [0034] and [0035] discloses:

> [0034] The subscriber (carrying the cell phone 10) may, for example, park the subscriber's vehicle near the location 14 and may approach the location 14 on foot. In that case, an interpretation of the location data from the periodic location determination may imply that

> the subscriber has decided to visit the location 14. A third party advertiser (e.g., a web advertiser as discussed hereinbelow or a store in a shopping mall) or the service provider 16 itself may thus appropriately target advertisements to the cell phone 10 based on such indication of a stable location.
>
> [0035] Alternatively, the MS may just drive around the location 14 and may not intend to park the car and visit the location 14. In that event, an interpretation of the periodic location data may imply that the cell phone 10 (and, hence, the mobile subscriber) is in continuous motion near or around a specific location (e.g., a mall) and the cell phone operator may not visit the location 14 at all. It may therefore be desirable for the third party advertiser or the service provider 16 not to send advertisements related to the location 14 because of the high probability that the cell phone operator may not visit the location 14.

First, Zellner does not disclose what is provided by claim 13 with respect to what is delivered. Paragraph [0031] of Zellner provides that SP 16 may transmit user-specific or location-specific voice and/or data *advertisements* to cell phone 10, and in paragraph [0034] that a third party advertiser or the service provider 16 itself may target *advertisements* to the cell phone 10; however, missing entirely from Zellner is any notion of the claimed "identifier" being delivered to the computer program as claimed, let alone, an identifier being delivered under such conditions. As previously explained with respect to claim 10, Yoon's advertisement is not an identifier, and this likewise applies to the advertisements in Zellner. The Examiner has the burden of explaining how advertisements transmitted to cell phone 10 in Zellner are an "identifier" in light of the Specification, and the Examiner has provided no explanation in this regard. As such, Zellner's alleged cure to Yoon's deficiency as provided by the Examiner lacks disclosing or teaching the "identifier" as claimed.

Next, turning to the Examiner's interpretation of Zellner, the Examiner alleges that the cited paragraphs of Zellner disclose "transmi[ssion of] user-specific or location specific voice or data advertisements to cell phone 10, when cell phone 10 is determined ***to be visiting*** a location 14…". Zellner at paragraphs [0031]-[0033] provides that the location of cell phone 10 may be

determined. As shown above in paragraph [0034], Zellner provides how cell phone 10 may approach location 14: "[t]he subscriber (carrying the cell phone 10) may, for example, ***park*** the subscriber's vehicle ***near the location 14*** and ***may approach the location 14*** on foot. In that case, ***an interpretation*** of the location data from the periodic location determination ***may imply*** that ***the subscriber has decided to visit the location 14***." Paragraph [0034] continues, saying that "based on such indication of a stable location", "[a] third party advertiser [] or the service provider 16 itself may thus appropriately target advertisements to the cell phone 10." What the Examiner states Zellner discloses here is not only inaccurate with what Zellner does disclose, but it resorts to speculation only to supply deficiencies of Zellner. Here, Zellner discloses an interpretation of cell phone signals as implying that a subscriber has merely *decided to visit a location* during the subscriber's approach. But the Examiner states that this discloses something else—"when cell phone 10 *is determined* ***to be visiting*** *location 14*," which is not the same. Further, "such indication of a stable location" refers to what paragraph [0034] describes, which is nothing more than a change in motion/velocity of the cell phone 10 from the state of parking in a vehicle to a state of being carried by a person approaching location 14 on foot, and this lacks any indication as to whether an actual visit of location 14 has occurred. Paragraph [0035] does not cure this deficiency of Zellner, as it only discloses the mobile subscriber "not intend[ing] to park the car and visit the location" and "an interpretation" that "may imply that the cell phone 10 [] is in continuous motion near or around a specific location [] and the cell phone operator may not visit the location 14 at all."

The Examiner's assertion that the interpretation of movement in Zellner implying that a mobile subscriber has *decided to visit* a location based solely on the mobile subscribers movement pattern nearby the location is the same thing as *a determination* that cell phone 10 *has actually*

visited or *is actually visiting* a location is to resort to speculation and is not supported by any evidence and thus the Examiner has not fulfilled the initial duty of supplying a factual basis in this regard. See *In re Warner*, 379 F.2d at 1017.

Further, Zellner discloses that by periodically tracking a location of a cell phone, movement of the cell phone may imply that a subscriber may be approaching a location 14 on foot and thus the cell phone may have a "stable location" near the location 14, which as discussed at paragraph [0007] is envisioned as being a store in a shopping complex. Alternatively, the opposite is true when the cell phone "is in continuous motion" near or around the shopping complex. Thus, in Zellner, the decision of whether to send an advertisement or not to a cell phone may depend on whether or not it may be inferred that the cell phone is in a car that is being continuously driven near the shopping complex or that movement of the cell phone may imply that a subscriber may be approaching a location 14 on foot. This disclosure of Zellner, which the Examiner cites as curing the deficiency of Yoon with respect to claim 13, is completely different from what claim 13 recites—: "delivering the identifier to the computer program comprises delivering the identifier **after it has been determined that the mobile device has at least remained within the selected geographic area of interest for at least a predetermined length of time**"—because the determination in Zellner depends on motion, as opposed to length of time in a selected geographic area of interest after entering it.

Thus, any assertions by the Examiner about a cell phone remaining in a selected geographic area for a length of time based on paragraphs [0034] and [0035] are completely speculative and based on conjecture, which is improper. See *Alza Corp. v. Mylan Laboratories, Inc.*, 464 F. 3d 1286, 1290 (Fed. Cir. 2006). ("[L]egal determinations of obviousness, as with such determinations generally, should be based on evidence rather than on mere speculation or conjecture."). Zellner

does not provide any statement regarding any length of time, and is ambiguous with respect to the cell phone remaining within any selected geographic area. The Examiner's assertions that Zellner discloses the features of claim 13 thus lack a factual basis, because only speculation and conjecture could transform these statements of Zellner into a disclosure that corresponds to what is recited in claim 13.

Additionally, missing entirely from Zellner is any notion of a determination that cell phone 10 has remained within a selected *geographic area* of interest for a predetermined length of time, let alone entered said area. First, as previously stated, the described change in motion/velocity of the cell phone 10 from the state of parking in a vehicle to a state of being carried by a person approaching a location on foot lacks any indication as to whether an actual visit of location 14 has occurred. This is because *approaching a location*, even if the velocity of the approach has changed, is not the same thing as *being at* that location. In order for cell phone 10 to be said to remain at a location, it must first be located at that location, rather than merely approach it or have a change in motion when approaching. Because the cited paragraphs in Zellner do not indicate that cell phone 10 is actually located at location 14, it follows that cell phone 10 cannot be said to be remaining at location 14, let alone, *remaining within* location 14, which leads to the next point—location 14 is not an area.

Zellner also does not provide any teaching of a geographic *area*—which is something that cell phone 10 must *remain within* to teach the features of claim 13. Nowhere does Zellner provide any mention of geography, geographic areas, geographic coordinates, defined geographic boundaries, or geographic determinations with respect to those areas, coordinates, and/or boundaries. Throughout the entire Zellner disclosure, the term "area" is only mentioned three times, and these instances merely refer to a "Local Area Network"; there is no mention at all with

any concept of geographic areas with respect to cell phone 10 entering said areas. Paragraph [0007] mentions that "[i]t is also desirable to locate the cell phone operator or mobile subscriber (MS) for marketing reasons, e.g., for targeting location-specific advertisements to the cell phone operator upon determining the location of the cell phone operator. For example, one or more stores in a shopping complex (e.g., a mall) may wish to inform the cell phone operator about any current promotions or offers when the cell phone operator is found to be in the vicinity of the shopping complex." However, merely "being in the vicinity of" a shopping complex/mall provides no indication of an entering of, let alone a "remaining within", a "selected geographic area of interest," for example, the selected geographic area of interest of claim 13 having an established perimeter boundary via geometric construct.

The concept of remaining within a selected geographic area of interest is entirely missing from Zellner, as it merely considers a location being approached by cell phone 10 or cell phone 10 being "in the vicinity of" a location. Even by use of periodic location determinations, each determination would only reveal in Zellner that cell phone 10 is "in the vicinity of" location 14, which is not a showing that cell phone 10 has remained within the claimed "selected *geographic area* of interest". The Examiner has the burden of explaining how the cell phone 10 in Zellner remains within a selected geographic area of interest as claimed, and the Examiner has provided no explanation in this regard. As such, contrary to the Examiner's assertion, Zellner does not cure Yoon's deficiency with respect to "delivering the identifier to the computer program comprises delivering the identifier after it has been determined that the mobile device has at least remained within the selected geographic area of interest for at least a predetermined length of time" as claimed.

For each of these reasons, a *prima facie* case of unpatentability has not been established, and thus the burden of coming forth with evidence or argument has not shifted to Applicants. See *In re Oetiker*, 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant."). Accordingly, reversal of the rejection of dependent claim 13 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

No *prima facie* case: articulated benefit and motivation not present

The Examiner alleges that it would have been obvious to a POSITA at the time the invention was made to combine the teaching of Zellner with Yoon "for the benefit [of] providing the location-specific advertisements only to mobile devices that are staying in or visiting the area of the determined location and not just passing by/moving through the location" (Final Office Action, page 37, lines 10-12); however, a) the articulated benefit is not accomplished by incorporating Zellner, and b) the Examiner does not cite where such motivation exists in the prior art pursuant to such a combination.

First, modifying Yoon in view of Zellner as suggested by the Examiner does not even accomplish the cited benefit alleged by the Examiner—"providing the location-specific advertisements only to mobile devices that are staying in or visiting the area of the determined location and not just passing by/moving through the location". At best, the cited paragraphs of Zellner indicate that a cell phone 10 being carried has *changed in velocity* from being in a vehicle to being carried on foot, and *merely approached* location 14. As previously explained above, location 14 is not an area. Also, when approaching location 14, mobile devices that merely change

velocity from being in a vehicle driven by a subscriber to being carried while the subscriber is approaching on foot is not a determination that the mobile devices "are staying in or visiting" said area. All Zellner describes here with respect to this changing of velocity/motion is *approaching* a location, which is not "staying in or visiting" an area, as alleged by the Examiner. Thus, Zellner does not even bring the articulated benefit, and to say that Zellner does so is completely speculative and based on conjecture, which is improper. See *Alza Corp. v. Mylan Laboratories, Inc.*, 464 F. 3d 1286, 1290 (Fed. Cir. 2006). ("[L]egal determinations of obviousness, as with such determinations generally, should be based on evidence rather than on mere speculation or conjecture.").

Second, the Examiner has not provided an objective reason, based on evidence as opposed to speculation, why a POSITA would have combined the teaching of the references. Zellner merely states that, based on "an interpretation of the location data from the periodic location determination[s]", a) a "third party advertiser" "may thus appropriately target advertisements" to cell phone 10 (paragraph [0034]) or b) "[i]t may therefore be desirable for the third party advertiser or the service provider 16 not to send advertisements related to the location 14" (paragraph [0035]). But missing from the prior art is any indication *why* "providing the location-specific advertisements only to mobile devices that are staying in or visiting the area of the determined location and not just passing by/moving through the location" would be of benefit in the context of the navigation terminal of Yoon. Simply because Yoon and Zellner could have been somehow combined is insufficient to establish obviousness. See *In re Gordon*, 733 F.2d 900, 902 (Fed. Cir. 1984) ("The mere fact that the prior art could be so modified would not have made the modification obvious unless the prior art suggested the desirability of the modification.")

The Examiner does not cite any teaching, suggestion, or motivation in the prior art that would have led the POSITA to make such a modification, and instead, the Examiner relies on a conclusory statement that the modification would have been obvious without a supporting explanation. This is insufficient to establish obviousness. As the Federal Circuit has held, "rejections on obviousness grounds cannot be sustained by mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398, 418 (2007).

For these additional reasons, a *prima facie* case of unpatentability has not been established, and thus the burden of coming forth with evidence or argument has not shifted to Applicants. See *In re Oetiker*, 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant."). Accordingly, reversal of the rejection of dependent claim 13 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

The reasoning present for combining Yoon and Zellner lacks a rational underpinning

A POSITA at the time of the present invention would not have modified Yoon in view of Zellner in the manner alleged by the Examiner, and the reasoning articulated by the Examiner lacks a rational underpinning. Yoon relates to a "navigation service [that] provides a map information guidance service such as route guidance or location search through a navigation terminal." Paragraph [0004]. As shown in Fig. 4 of Yoon, navigation terminal 3 is a GPS device that is affixed in a vehicle for navigating the car on trips, and displays advertisements on navigation terminal based on the user's location on the map. Paragraphs [0010] and [0035]. In contrast to the

teachings of Zellner that location determination can depend on whether a user is walking with a cell phone toward a shopping complex, it is apparent that the navigation terminal 3 Yoon is used for displaying a map for driving and is not taken out of a car (see Fig. 4). Because of this, the navigation terminal 3 of Yoon would always be passing by a shopping complex (or turned off upon arrival).

This is especially true when the sequential differences between Yoon and Zellner are taken into consideration. As noted above, Yoon discloses that the advertisement is ***received*** by navigation terminal 3 from the advertisement providing server 2 in step S20, ***before*** it has determined that the navigation terminal enters into the advertisement area in step S40. In contrast, Zellner is solely concerned with only sending a shopping advertisement to a cell phone ***after*** it is determined that a subscriber carrying the cell phone is walking toward the shopping complex. Thus, these conflicting functionalities between the method of Yoon and that of Zellner, which are not at all addressed by the Examiner, undercut the rational underpinning of the combination of these references by the Examiner.

Moreover, the result of the combination renders the prior art unsatisfactory for its intended purpose, as it would require Yoon's navigation terminal 3 to be removed from a vehicle and carried by a user on foot while approaching advertisement providing server 2 in order to receive an advertisement, and only after the navigation terminal 3 received the advertisement and the user then put the navigation terminal 3 back in the vehicle and navigated around would the advertisement then be later displayed based on location. See MPEP § 2143.01 ("If a proposed modification would render the prior art invention being modified unsatisfactory for its intended purpose, then there is no suggestion or motivation to make the proposed modification." *In re Gordon*, 733 F.2d 900, 221 USPQ 1125 (Fed. Cir. 1984).)

The Examiner fails to explain this shortcoming and extra burden that arises as a result of modifying Yoon in view of Zellner, and missing from the prior art and not explained by the Examiner is any suggestion why this modification would be desired, let alone its resulting shortcoming. See *In re Gordon*, 733 F.2d 900, 902 (Fed. Cir. 1984) ("The mere fact that the prior art could be so modified would not have made the modification obvious unless the prior art suggested the desirability of the modification.") Absent any detailed explanation by the Examiner, it is not clear how the Examiner's proposed modification would not interfere with the key purpose of Yoon's real-time navigation, and the Examiner has not sufficiently explained why a POSITA would have modified Yoon by introducing this new burden on the navigation terminals. The Examiner has not considered Yoon as a whole, including its key features, and has not adequately shown that a POSITA would have combined the teachings of Yoon and Lempio in the manner asserted to arrive at claim 7. See *Polaris Indus., Inc. v. Arctic Cat, Inc.*, 882 F.3d 1056, 1069 (Fed. Cir. 2018) ("[A reference's] statements regarding preferences are relevant to a finding regarding whether a skilled artisan would be motivated to combine that reference with another reference."). Moreover, because the proposed combination would change the principle operation of Yoon, this shows that the references are not sufficient to render the claims obvious. See MPEP § 2143.01 ("If the proposed modification or combination of the prior art would change the principle of operation of the prior art invention being modified, then the teachings of the references are not sufficient to render the claims *prima facie* obvious." *In re Ratti*, 270 F.2d 810, 813, 123 USPQ 349, 352 (CCPA 1959)).

Simply picking and choosing from references only so much as will support the Examiner's position, to the exclusion of other parts necessary to the full appreciation of what such reference fairly suggests to one of ordinary skill in the art, is an impermissible form of formulating an

obviousness rejection. *See In re Wesslau*, 353 F.2d 238, 241 (1965) ("It is impermissible within the framework of section 103 to pick and choose from any one reference only so much of it as will support a given position, to the exclusion of other parts necessary to the full appreciation of what such reference fairly suggests to one of ordinary skill in the art.").

Accordingly, the purported benefit for modifying Yoon in view of Zellner of "providing the location-specific advertisements only to mobile devices that are staying in or visiting the area of the determined location and not just passing by/moving through the location" does not apply to Yoon and the teachings of these references would not have prompted a POSITA to have modified Yoon based on the teachings of Zellner.

For these additional reasons, reversal of the rejection of dependent claim 13 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

2. Dependent Claim 14: Argued Separately

In view of the above arguments with respect to dependent claim 12, and because Zellner does not cure the above-mentioned deficiencies of Yoon, reversal of the rejections under pre-AIA 35 U.S.C. § 103(a) of dependent claims 14 is respectfully requested.

Furthermore, claim 14 recites:

"The system of claim 12, wherein the code further comprises at least one instruction for: **preserving delivery of the identifier** from the at least one memory to the computer program until **after it has been determined that the mobile device has remained within the selected geographic area of interest for at least a predetermined length of time**."

The Examiner admits that Yoon does not disclose the features of claim 14 and cites Zellner as curing this deficiency of Yoon. In particular, the Examiner states, at page 37, line 18 to page 38, line 18 of the Final Office Action:

> In the same field of endeavor, Zellner discloses a system for creating and offloading location awareness (see fig. 1), the system including a mobile device (cell phone 10, see fig. 1) and comprising:
> at least one memory (third party/web advertiser/service provider (~memory storing code/software for enabling a processor to execute), see fig. 1, [0034], [0074]-[0075]), see abstract);
> at least one processor operably coupled to the at least one memory (third party/web advertiser/service provider (~memory storing code/software for enabling a processor to execute), see fig. 1, [0034], [0074]-[0075]); and
> code configured for execution by the at least one processor, wherein the code comprises at least one instruction for: preserving delivery of the identifier from the at least one memory to the computer program until after it has been determined that the mobile device has remained within the selected geographic area of interest for at least a predetermined length of time (transmit user-specific or location specific voice or data advertisements to cell phone 10, when cell phone 10 is determined to be visiting a location 14 after a periodic location determinations indicates a stable location, see [0031]-[0035]).
> It would therefore have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Zellner with Yoon by providing location based advertisement to a navigation terminal only when it has been determined, based on predefined location measurements for a specific period of time, that the navigation terminal is still at or within the same location, for the benefit providing the location-specific advertisements only to mobile devices that are staying in or visiting the area of the determined location and not just passing by/moving through the location.

As in claim 13, the Examiner admits that Yoon does not disclose the features of claim 14 and cites Zellner as curing this deficiency of Yoon. As rationale, the Examiner has applied the very same assertions on claim 14 that were provided in the rejection of claim 13. Accordingly, the Applicants submit that, for the same reasons explained above in claim 13 applied here and substituted with claim 14, (a) a *prima facie* case of unpatentability has not been established as (i) Zellner does not provide any disclosure or teaching that cures the deficiencies of Yoon (e.g., the advertisement is not an identifier; the implication of a subscriber's decision to visit a location is not a determination that a device is actually located at said location, merely approaching a location is not being at, or residing within, the location for a length of time; Zellner does not disclose geographic areas; a location is not a selected geographic area of interest; a determination of being

in the vicinity of a location at various times is not a determination of residing within a selected geographic area of interest for a length of time, etc.), and (ii) both the Examiner's articulated benefit and the motivation to modify Yoon in view of Zellner are not present in the prior art; and (b) the reasoning articulated by the Examiner lacks a rational underpinning and the combination renders the prior art unsatisfactory for its intended purpose, and thus a POSITA at the time of the present invention would not have modified Yoon in view of Zellner in the manner alleged by the Examiner. Accordingly, because the Examiner has not provided any different explanation on claim 14 than what was explained by the Examiner on claim 13, in view of the above arguments with respect to claim 13 applied here on claim 14, reversal of the rejection of dependent claim 14 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

Furthermore, the Examiner asserts that Zellner discloses "at least one memory" and "code configured for execution by the at least one processor, wherein the code comprises at least one instruction for: preserving delivery of the identifier from the at least one memory to the computer program until after it has been determined that the mobile device has remained within the selected geographic area of interest for at least a predetermined length of time" because, per the Examiner, Fig. 1, paragraphs [0034], [0074]-[0075], and the abstract disclose "(~memory storing code/software for enabling a processor to execute" and because, per the Examiner, paragraphs [0031]-[0035] of Zellner disclose "transmit user-specific or location specific voice or data advertisements to cell phone 10, when cell phone 10 is determined to be visiting a location 14 after a periodic location determinations indicates a stable location". (Final Office Action, page 37, line 21 to page 38, line 11.) Applicant disagrees.

Zellner at paragraph [0075] discloses:

> [0075] Upon receiving the location information about the MS, the third party advertiser may search the database 22 to obtain advertisements for business establishments at or near

> the MS's current physical location. For example, when the cell phone operator approaches the location 14, e.g., a shopping mall (as shown in FIG. 1), the web advertiser may select advertisements for various shops in the mall. Thereafter, at block 78, the web advertiser may send over the Internet 18 (and via the wireless network 12) location-specific advertisements to the web browser 48 in the cell phone 10. The advertisements may be displayed as Internet banner advertisements on the display screen 28. Alternatively, one or more of the advertisements may be in a digital audio format and may be heard by the cell phone operator when the digital audio file (e.g., a streaming audio file) carrying the respective advertisement is executed by the PCU 52 and the resulting audio is played through the speaker 32. The web advertiser may continue sending different location-specific advertisements to the cell phone 10 as long as the cell phone 10 is "connected" to the Internet 18 (i.e., as long as the MS is surfing or accessing the Internet 18). The web advertiser may discontinue further advertisement transmission once the cell phone 10 is "disconnected" from the Internet 18 as indicated by block 80 in FIG. 4.

Zellner does not disclose "**preserving delivery of the identifier from the at least one memory to the computer program** until after it has been determined that the mobile device has remained within the selected geographic area of interest for at least a predetermined length of time" as recited in claim 14 because the advertisements in Zellner are merely "for business establishments"/"for various shops in the mall". Although paragraph [0075] discloses that "the third party advertiser may search the database 22 to obtain advertisements for business establishments at or near the MS's current physical location", that "the web advertiser may send [] location-specific advertisements to the web browser 48 in the cell phone 10", and that "[t]he web advertiser may continue sending different location-specific advertisements to the cell phone 10 as long as the cell phone 10 is 'connected' to the Internet 18", these advertisements in database 22 have no association with the computer program on cell phone 10, for example, with a computer program in a request received, via content delivery platform software, to have an identifier delivered to said computer program, as claim 14 provides. For the Examiner to say that Zellner discloses preserving delivery of an advertisement from memory to a particular computer program that was in a request for having the advertisement delivered is to resort to speculation and is not

supported by any evidence, and thus the Examiner has not fulfilled the initial duty of supplying a factual basis in this regard. See *In re Warner*, 379 F.2d at 1017.

For this additional reason, a *prima facie* case of unpatentability has not been established, and thus the burden of coming forth with evidence or argument has not shifted to Applicants. See *In re Oetiker*, 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is established, does the burden of coming forward with evidence or argument shift to the applicant."). Accordingly, for this additional reason, reversal of the rejection of dependent claim 14 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

3. Dependent Claim 17: Argued Separately

Claim 17 recites:

"The system of claim 10, wherein the code further comprises at least one instruction for **determining**, using the obtained location information, **that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time**."

The Examiner admits that Yoon does not disclose the features of claim 17 and cites Zellner as curing this deficiency of Yoon. In particular, the Examiner states, at page 39, lines 1 to page 40, line 2 of the Final Office Action:

> In the same field of endeavor, Zellner discloses a system for creating and offloading location awareness (see fig. 1), the system including a mobile device (cell phone 10, see fig. 1) and comprising:
> at least one memory (third party/web advertiser/service provider (~memory storing code/software for enabling a processor to execute), see fig. 1, [0034], [0074]-[0075]), see abstract);

> at least one processor operably coupled to the at least one memory (third party/web advertiser/service provider (~memory storing code/software for enabling a processor to execute), see fig. 1, [0034], [0074]-[0075]); and
> code configured for execution by the at least one processor, wherein the code comprises at least one instruction for:
> determining, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time (transmit user-specific or location specific voice or data advertisements to cell phone 10, when cell phone 10 is determined to be visiting a location 14 after a periodic location determinations indicates a stable location, see [0031]-[0035]).
> It would therefore have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Zellner with Yoon by providing location based advertisement to a navigation terminal only when it has been determined, based on predefined location measurements for a specific period of time, that the navigation terminal is still at or within the same location, for the benefit providing the location-specific advertisements only to mobile devices that are staying in or visiting the area of the determined location and not just passing by/moving through the location.

As in claim 13, the Examiner admits that Yoon does not disclose the features of claim 17 and cites Zellner as curing this deficiency of Yoon. As rationale, the Examiner has applied the very same assertions on claim 17 that were provided in the rejection of claim 13. Accordingly, the Applicants submit that, for the same reasons explained above in claim 13 applied here and substituted with claim 17, (a) a *prima facie* case of unpatentability has not been established as (i) Zellner does not disclose or teach the deficiencies of Yoon (e.g., the advertisement is not an identifier; the implication of a subscriber's decision to visit a location is not a determination that a device is actually located at said location, merely approaching a location is not being at, or residing within, the location for a length of time; Zellner does not disclose geographic areas; a location is not a selected geographic area of interest; a determination of being in the vicinity of a location at various times is not a determination of residing within a selected geographic area of interest for a length of time, etc.), and (ii) both the Examiner's articulated benefit and the motivation to modify Yoon in view of Zellner are not present in the prior art; and (b) the reasoning articulated by the

Examiner lacks a rational underpinning and the combination renders the prior art unsatisfactory for its intended purpose, and thus a POSITA at the time of the present invention would not have modified Yoon in view of Zellner in the manner alleged by the Examiner. Accordingly, because the Examiner has not provided any different explanation on claim 17 than what was explained by the Examiner on claim 13, in view of the above arguments with respect to claim 13 applied here on claim 17, reversal of the rejection of dependent claim 17 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

Furthermore, claim 17 provides that the at least one instruction involves determining that the mobile device has at least entered the selected geographic area of interest ***and*** has remained therein for at least a predetermined length of time. It is completely unclear how the Examiner is asserting that Zellner discloses at least one instruction for determining an entry of the selected geographic area of interest by cell phone 10 ***and*** that cell phone 10 has remained within that area for a predetermined length of time.

The Examiner has the burden of explaining how the cited disclosure of Zellner reads on this claim language, and the Examiner's explanation is deficient because it does not address the claim language. See *In re Oetiker,* 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992)("The examiner bears the initial burden ... of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a prima facie case] is met, does the burden of coming forward with evidence or argument shift to the applicant.").

For these additional reasons, reversal of the rejection of dependent claim 17 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

4. Dependent Claim 18: Argued Separately

Claim 18 recites:

"The claim 10, wherein the code further comprises at least one instruction for **creating a notification that the mobile device has at least entered the selected geographic area of interest**."

The Examiner admits that Yoon does not disclose the features of claim 18 and cites Zellner as curing this deficiency of Yoon. In particular, the Examiner states, at page 40, lines 7-14 of the Final Office Action:

> In the same field of endeavor, [Zellner] discloses a method comprising creating a notification that the mobile device has at least entered the selected geographic area of interest (see [0033]).
> It would therefore have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Zellner with Yoon by creating a registration for registering with a network after a mobile device enters an area covered by the network, for the benefit providing the location-specific advertisements to mobile devices that are located the area of the network.

Paragraph [0033] of Zellner states:

> Alternatively, the location determination may be made, for example, when the cell phone 10 registers with a particular cell site in the service provider's cellular network. The location data may be updated when the mobile subscriber is roaming as is known in the art.

Determining a cell phone's location when the cell phone registers with a particular cell site in the service provider's cellular network does not involve "**creating a notification** that the mobile device **has at least entered the selected geographic area of interest**" as claimed, and it is completely unclear how the Examiner is asserting that such a location determination involves **creating a notification**, especially that the cell phone **has at least entered the selected geographic area of interest**.

The Examiner has the burden of explaining how such a determination reads on this claim language, and the Examiner's explanation is deficient because it does not address the claim language. See *In re Oetiker,* 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992)("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a prima facie case] is met, does the burden of coming forward with evidence or argument shift to the applicant.").

For these additional reasons, reversal of the rejection of dependent claim 18 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

E. Rejections under pre-AIA 35 U.S.C. § 103(a): Yoon and Barnes

The Office has rejected claim 26 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Barnes et al US 8,010,134 (hereinafter Barnes).

In view of the above arguments with respect to independent claim 10, and because Barnes does not cure the above-mentioned deficiencies of Yoon, reversal of the rejection of dependent claim 26 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

1. Dependent Claim 26: Argued Separately

Claim 26 recites:

"The system of claim 10, wherein the obtained location information is determined at least in part by using cellular tower information received via a cellular antenna of the mobile device and **not by using information received via a GPS antenna of the mobile device**."

The Examiner admits that Yoon does not disclose the features of claim 26 and cites Barnes as curing this deficiency of Yoon. In particular, the Examiner states, at page 40, line 21 to page 41, line 7 of the Final Office Action:

> In the same field of endeavor, Barnes discloses wherein the obtained location information is determined at least in part by using cellular tower information received via a cellular antenna of the mobile device (410, 412, see fig. 4B, col. 6, lines 15-56).
> It would therefore have been obvious to one of ordinary skill in the art at the time the time the invention was made to combine the teaching of Barnes with Yoon by using cell tower location technology to determine the location of the mobile device/navigation terminal, for the benefit of quickly determining the location of device for mobile device advertising.

Applicants submit that (a) a *prima facie* case of unpatentability has not been established as both the Examiner's articulated benefit and the motivation to modify Yoon in view of Barnes are not present in the prior art; and (b) the reasoning articulated by the Examiner lacks a rational underpinning. Thus, a POSITA at the time of the present invention would not have modified Yoon in view of Barnes in the manner alleged by the Examiner.

No *prima facie* case: articulated benefit and motivation not present

The Examiner alleges that it would have been obvious to a POSITA at the time the invention was made to combine the teaching of Barnes with Yoon "for the benefit of quickly determining the location of [the] device for mobile device advertising" (Final Office Action, page 41, lines 6-7); however, a) the articulated benefit is not accomplished by incorporating Barnes, and b) the Examiner does not cite where such motivation exists in the prior art pursuant to such a combination.

First, it is not clear how modifying Yoon in view of Barnes would accomplish the cited benefit alleged by the Examiner of "quickly determining the location of device for mobile device

advertising." Barnes discloses using different types of technologies for location fixes, including ***advanced forward link trilateration 414 technology, which is based on signals from nearby cell towers***. Barnes at 6:57-61. Barnes discloses that when using the advanced forward link trilateration 414 technology, "because of the time required to measure signals from multiple cell towers, to report the measurements to the network 1101 to triangulate the location fix, and to report the location fix back to the mobile device 102, ***the advanced forward link trilateration 414 technology requires significant amounts of*** both ***time*** and resources from the mobile device 102 and the network 110." Barnes at 7:6-12. Because Barnes discloses that this cellular tower location fix technology requires significant amounts of time, not only would it not be clear why a POSITA would look to combine the teaching of Barnes with Yoon using cell tower location technology for the alleged benefit of "quickly determining the location of [the] device for mobile device advertising", it is not clear how incorporating Barnes with Yoon would even bring the articulated benefit. Thus, to say that modifying Yoon in view of Barnes provides this benefit is completely speculative and based on conjecture, which is improper. See *Alza Corp. v. Mylan Laboratories, Inc.*, 464 F. 3d 1286, 1290 (Fed. Cir. 2006). ("[L]egal determinations of obviousness, as with such determinations generally, should be based on evidence rather than on mere speculation or conjecture.").

For at least this reason, a *prima facie* case of unpatentability has not been established, and thus the burden of coming forth with evidence or argument has not shifted to Applicants. See *In re Oetiker*, 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant.").

Accordingly, reversal of the rejection of dependent claim 26 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

Second, the Examiner has not provided an explanation by the Examiner providing an objective reason why a POSITA would have combined the teaching of the references. Barnes discloses a desire for advertisers to target mobile device users via location because advertisers a) pay higher prices for advertisements that target and reach intended audiences, for example, mobile device users attending a football game played in a football stadium, and b) do not want to pay higher prices to send advertisements to users who are not attending the football game. Thus, "advertisement providers would only want to pay for sending such advertisements to targeted mobile device users." Barnes at 1:24-41. Barnes also discloses that "[t]he advertisement provider may be *willing to pay* the content provider ***more*** *for the location-based advertisement* because of the greater likelihood that the recipients of such targeted advertisements will respond favorably to the advertisement." Barnes at 3:6-10. Barnes discloses using different types of technologies for location fixes—a cell tower location 410 technology, a cell sector centroid 412 technology, an advanced forward link trilateration 414 technology, a global positioning system 416 technology, and hybrid 418 technology that fixes the location of the mobile device 102 based on a combination of the other location fix technologies. Barnes at 5:52-62. Barnes further discloses that cell tower location 410 technology and cell sector centroid 412 technology "produce low accuracy location fixes" and that advanced forward link trilateration 414 technology fixes the location of a mobile device using cell towers and "triangulates a location fix of the mobile device 102 within a 1000 meter accuracy." Barnes at 6:1-7; 6:60-64. Finally, Barnes discloses GPS technology as a much more accurate technology for location fixes, "produc[ing] high accuracy location fixes" and having

a "location accuracy [] anywhere from 1 to 100 meters depending on the type of equipment used." Barnes at 6:66-7:1; 7:21-23.

The Examiner states that a POSITA would have been motivated to modify Yoon in view of Barnes "by using cell tower location technology to determine the location of the mobile device/navigation terminal", the rationale being "for the benefit of quickly determining the location of [the] device for mobile device advertising." However, even if the Examiner's conjecture above is true—that using cell tower location technology does quickly determine the location of the device for mobile device advertising—what remains absent in the prior art is an explanation *why* an advertiser – such as the one in Yoon - would have, at the time of the present invention, desired speed over better location accuracy, foregoing the high accuracy location fix provided by GPS for allegedly faster, but less accurate, location determinations of using cell tower location. This is especially true given Barnes own disclosure states that "[t]he advertisement provider may be willing to pay the content provider more for the location-based advertisement because of the greater likelihood that the recipients of such targeted advertisements will respond favorably to the advertisement" and that the advertiser provider does not want to pay higher prices to send advertisements to users who are not attending, for example, a football game at a football stadium.

Barnes does state at column 1, lines 50-56 that "[t]he advertisement provider ***may*** not have time to request the mobile phone to identify the location of the mobile phone, to receive the identified location of the mobile phone, to process the received location of the mobile phone, to select a advertisement for a specific intended audience based on the processed location, and to convey this selected advertisement to the content provider" and at column 10, lines 5-8 that "low accuracy location fix technologies can execute quickly in the background without requiring

significant time or resources for the mobile device 102 and the network 110." So, while it *may* be possibly inferred from Barnes that it is quicker to use cell tower technology, Barnes concretely explains that cell tower technology has lower accuracy than GPS technology, so, despite use of cell tower technology being potentially faster, the lower accuracy can outright miss targeting the correct audience at the outset. In other words, yes, cell tower technology might be quick, but it would only be quick at determining location with low accuracy, which is not desirable. Recall, Barnes has already established that advertisers do not want to pay higher prices to send advertisements to users who are not at the targeted location.

Indeed, a POSITA would not have had any reason, at the time of the present invention and based on the cited references, to have replaced the higher location accuracy GPS technology present and available in Yoon with a *lower* location accuracy technology such as cell tower information in the way the claimed invention does.

Despite this, the Examiner asserts it would have been obvious for a POSITA to modify Yoon with Barnes "by using cell tower location technology to determine the location of the mobile device/navigation terminal, for the benefit of quickly determining the location of [the] device for mobile device advertising", but does not provide an explanation, based on evidence, as to *why* a POSITA pursuing location-based mobile device advertising would desire to prioritize a location technology providing less accuracy over another location technology that provides higher location accuracy, as Barnes explains is case with cell tower and GPS technology, respectively, and why it would be desirous to forego better location accuracy for speed. Hence, the Examiner's explanation is insufficient to make the modification of Yoon in view of Barnes obvious. See *In re Gordon*, 733 F.2d 900, 902 (Fed. Cir. 1984) ("The mere fact that the prior art could be so modified would not have made the modification obvious unless the prior art suggested the desirability of the

modification.") The Examiner does not cite any teaching, suggestion, or motivation in the prior art that would have led the POSITA to make such a modification, and instead, the Examiner relies on a conclusory statement that the modification would have been obvious without explaining why that is so. This is insufficient to establish obviousness. As the Federal Circuit has held, "rejections on obviousness grounds cannot be sustained by mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398, 418 (2007).

For at least this reason, a *prima facie* case of unpatentability has not been established, and thus the burden of coming forth with evidence or argument has not shifted to Applicants. See *In re Oetiker*, 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant."). Accordingly, reversal of the rejection of dependent claim 26 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

Combining Yoon and Barnes lacks a rational underpinning

A POSITA at the time of the present invention would not have modified Yoon in view of Barnes in the manner alleged by the Examiner, and the reasoning articulated by the Examiner lacks a rational underpinning. Barnes discloses using different types of technologies for location fixes—a cell tower location 410 technology, a cell sector centroid 412 technology, an advanced forward link trilateration 414 technology, a global positioning system 416 technology, and hybrid 418 technology that fixes the location of the mobile device 102 based on a combination of the other location fix technologies. Barnes at 5:52-62. Cell tower location 410 technology and cell sector

centroid 412 technology "produce low accuracy location fixes." Barnes at 6:1-7. Advanced forward link trilateration 414 technology fixes the location of a mobile device using cell towers and "triangulates a location fix of the mobile device 102 within a 1000 meter accuracy." Barnes at 6:60-64. However, as previously stated, incorporating Barnes with Yoon would not accomplish the cited benefit alleged by the Examiner of "quickly determining the location of device for mobile device advertising" because "the advanced forward link trilateration 414 technology requires significant amounts of both time and resources from the mobile device 102 and the network 110." Barnes at 7:10-12. On the other hand, Barnes describes how global positioning system 416 technology is much more accurate, "produc[ing] high accuracy location fixes" and having a "location accuracy [] anywhere from 1 to 100 meters depending on the type of equipment used." Barnes at 6:66-7:1; 7:21-23.

Yoon relates to a "navigation service [that] provides a map information guidance service such as route guidance or location search through a navigation terminal." Paragraph [0004]. As shown in Fig. 4 of Yoon, navigation terminal 3 is a GPS device that is affixed in a vehicle for navigating the car on trips and displays advertisements on the navigation terminal based on the user's location on the map as the user uses navigation terminal 3 to navigate. Paragraphs [0010] and [0035]. As discussed in Barnes, GPS technology is the most accurate location technology, and a POSITA would not have used a much less accurate technology such as cell tower location 410 technology or cell sector centroid 412 technology having much lower accuracy, especially when using a map information guidance service such as route guidance, location search, or turn-by-turn directions through a navigation terminal. Based on the teachings of Barnes, the 410 and 412 technologies of Barnes would not be accurate enough to provide such route guidance in Yoon, and

the 414 technology would not provide the alleged speed benefit. Thus, it is respectfully submitted that the articulated reasoning by the Examiner lacks a rational underpinning.

For these additional reasons, reversal of the rejection of dependent claim 26 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

F. Rejections under pre-AIA 35 U.S.C. § 103(a): Yoon and Unold

The Office has rejected claim 19 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Unold et al US 20020055880 (hereinafter Unold).

In view of the above arguments with respect to independent claim 10, and because Unold does not cure the above-mentioned deficiencies of Yoon, reversal of the rejection of dependent claim 19 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

1. Dependent Claim 19: Argued Separately

Claim 19 recites:

"The system of claim 10, wherein:
reserving the selected geographic area of interest for delivery of the identifier to the computer program comprises **reserving the selected geographic area of interest only after it has been determined that the selected geographic area of interest is available to be reserved**; and
the code further comprises at least one instruction for **sending a notification indicating that the selected geographic area of interest has been reserved**."

The Examiner admits that Yoon does not disclose the features of claim 19 and cites Unold as curing this deficiency of Yoon. In particular, the Examiner states, at page 41, line 18 to page 42, line 7 of the Final Office Action:

> In the same field of endeavor, Unold discloses a method for reserving ads comprising reserving the selected geographic area of interest for delivery of the identifier to the computer program comprises reserving the selected geographic area of interest only after it has been determined that the selected geographic area of interest is available to be reserved and sending a notification indicating that the selected geographic area of interest has been reserved (reserving schedule report with location for which reservation of advertisement is being made and advertisement spots selected for reservation by the advertiser see [0141]).
> It would therefore have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Unold with Yoon by making notifying the advertiser terminal of name and location, and time of advertisements reserved by the advertiser, for the benefit of enabling the advertiser to schedule specific location and times for purchasing advertisements.

Applicants submit that (a) a *prima facie* case of unpatentability has not been established as Unold does not disclose or teach the deficiencies of Yoon; and (b) the reasoning articulated by the Examiner lacks a rational underpinning. Thus, a POSITA at the time of the present invention would not have modified Yoon in view of Unold in the manner alleged by the Examiner.

No *prima facie* case: Unold does not disclose or teach the deficiencies of Yoon

The Examiner asserts that Unold discloses "a method for reserving ads comprising reserving the selected geographic area of interest for delivery of the identifier to the computer program comprises reserving the selected geographic area of interest only after it has been determined that the selected geographic area of interest is available to be reserved and sending a notification indicating that the selected geographic area of interest has been reserved" because, per the Examiner, paragraph [0141] of Unold discloses "reserving schedule report with location for which reservation of advertisement is being made and advertisement spots selected for reservation by the advertiser see". (Final Office Action, page 41, line 18 to page 42, line 2.) Not so.

Unold at paragraph [0141] discloses:

> [0141] At step 1450, the server 200 causes the display, on the advertiser's telecom device 120, of a user interface having: a "reservation schedule confirmation report"; a "campaign"

> drop-down list box; an "advertisement" drop-down list box; a "promo code" text input box; and, "redeem", "order", "save 24 hours", and "start over" buttons. The "reservation schedule confirmation report", preferably, includes: (1) the name and location of the site for which the reservation is being made; (2) the season and duration of the season at the site during which the reservation is being made; (3) for each day on which advertising spots were selected for reservation by the advertiser, (a) the hour-long time segments in which advertising spots were selected and for each such time segment, (i) the rate associated with the selected advertising spots, (ii) the numbers of advertising spots actually being reserved (i.e., since the system 100 may not be able to accommodate or provide the desired number of advertising spots selected by the advertiser from the respective "reservation" drop-down list box, (iii) the discount, if any, applied to the cost of the advertising spots, and, (iv) the price, or cost, of the advertising spots including any credited discount; (4) the sub-total cost for the reservation; (5) the promotion amount, if any, to be deducted from the sub-total cost; (6) the grand total cost for the reservation; (7) the average cost of the reservation per thousand impressions; and, (8) the total number of impressions which are estimated for the reservation.

Unold discloses in paragraph [0141] a user interface on advertiser's telecom device 120 having a "reservation schedule confirmation report" that includes various information for which a reservation for an advertisement is being made; however, missing entirely from Unold is any notion of reserving the selected geographic area of interest for delivery of the claimed "identifier" to a computer program, nor an identifier's delivery being reserved for location-based delivery only after it has been determined that the selected geographic area of interest is available to be reserved. As previously explained with respect to claim 10, Yoon's advertisement is not an identifier, and this likewise applies to the advertisement in Unold. The Examiner has not explained how Unold's advertisement are the claimed "identifier." The Examiner has the burden of explaining how an advertisements provided to digital signs in Unold are an "identifier" in light of the Specification, and the Examiner has provided no explanation in this regard. As such, Unold's alleged cure to Yoon's deficiency as provided by the Examiner lacks disclosing or teaching the "identifier" as claimed.

Furthermore, Unold discloses a system for facilitating digital advertising, including creating electronic advertisements for products and services and managing their presentation on *digital signs*. Title and Abstract. The digital signs are each referred to as an "advertising site" or "site," and "site" can more broadly refer to a plurality of digital signs 108 residing at a location. Paragraph [0048]. The digital signs have displays of various sizes, including large billboard sizes, and can be installed on "walls, in display cases, and on ceilings." Paragraph [0047]. Advertisers can create and/or modify reservations for advertisements on the digital signs/"sites". Paragraph [0051]. Paragraph [0141] of Unold provides that server 200 causes the display of a user interface on advertiser's telecom device 120, and that the user interface has a "reservation schedule confirmation report" that ", preferably, includes: [] the name and location of the site for which the reservation is being made."

While Unold discloses a reservation report that preferably lists the location of where a digital sign/site might physically be installed for which a reservation is made, this is not a reservation for the claimed *geographic area of interest* in which moving navigation terminals may physically enter. Unold in paragraph [0141] does not disclose "reserving a selected geographic area of interest for delivery of an identifier to a computer program" as claimed, nor such reserving that also includes reserving only after it has been determined that the selected geographic area of interest is available to be reserved as claimed. This is at least because a reservation in Unold is for displaying ads on an installed digital display, which is not a reservation for *a geographic area* in which a mobile device *will enter* and trigger a location-based delivery or display.

For the Examiner to say that the reservation in Unold for sending an advertisement to an installed digital sign is the same thing as a reserving a geographical area of interest for delivery of an identifier to a computer program is to resort to speculation and is not supported by any

evidence—a prohibition on the Office. See *In re Warner*, 379 F.2d 1011, 1017 (CCPA 1967) ("The Patent Office has the initial duty of supplying the factual basis for its rejection. It may not, because it may doubt that the invention is patentable, resort to speculation, unfounded assumptions or hindsight reconstruction to supply deficiencies in its factual basis.")

For at least these reasons, a *prima facie* case of unpatentability has not been established, and thus the burden of coming forth with evidence or argument has not shifted to Applicants. See *In re Oetiker*, 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant."). Accordingly, reversal of the rejection of dependent claim 19 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

Combining Yoon and Unold lacks a rational underpinning

Furthermore, a POSITA at the time of the present invention would not have modified Yoon in view of Unold in the manner alleged by the Examiner—"by making notifying the advertiser terminal of name and location, and time of advertisements reserved by the advertiser, for the benefit of enabling the advertiser to schedule specific location[s] and times for purchasing advertisements"—and thus the reasoning articulated by the Examiner lacks a rational underpinning.

Yoon relates to a "navigation service [that] provides a map information guidance service such as route guidance or location search through a navigation terminal." Paragraph [0004]. As shown in Fig. 4 of Yoon, navigation terminal 3 is a GPS device that is affixed in a vehicle for

navigating the car on trips, and displays advertisements on navigation terminal based on the user's location on the map. Paragraphs [0010] and [0035].

The Examiner's suggestion that it would have been obvious for a POSITA to modify Yoon in view of Unold by "notifying the advertiser terminal of [the locations] of advertisements reserved by the advertiser" is not to provide the advertiser terminal with a geographic area of interest in which a navigation terminal 3 may enter, but to provide the advertiser terminal with the locations of where digital signs are already installed and on which advertisements are scheduled to be displayed. Not only would this suggested combination limit the number of locations to which advertiser terminal 4 can target (those locations would be limited to only where digital signs are already installed and on which advertisements have been scheduled), it would interfere with the key purpose of Yoon's real-time navigation.

Under this suggested combination, in order for the navigation terminals 3 of Yoon to display the advertisements scheduled for display by the advertiser on the digital signs installed at those locations, each navigation terminal 3 would need to i) physically navigate to the location of where a digital sign is installed, and ii) use some form of communication transfer technology to receive the advertisement from the digital sign so that it can then be displayed on the navigation terminal 3. Not only is this not disclosed or suggested by Yoon nor Unold, the result of the combination renders the prior art unsatisfactory for its intended purpose, as Yoon's navigation terminal 3, rather than navigate along its regular course and display an advertisement when it enters an area, would be required to physically visit and interface with, and receive the advertisement from, a digital sign at the location scheduled by an advertiser. Even more so, the navigation terminal 3 must somehow know where the digital sign is physically located so that it can even navigate to it.

The Examiner fails to explain both this shortcoming and extra burden that arises as a result of modifying Yoon in view of Unold, and the prior art lacks any evidence as to why such a modification would be desireable. See *In re Gordon*, 733 F.2d 900, 902 (Fed. Cir. 1984) ("The mere fact that the prior art could be so modified would not have made the modification obvious unless the prior art suggested the desirability of the modification.") Absent any detailed explanation by the Examiner, it is not clear how the Examiner's proposed modification would not interfere with the key purpose of Yoon's real-time navigation, and the Examiner has not sufficiently explained why a POSITA would have modified Yoon by introducing this new burden on the navigation terminals. The Examiner has not considered Yoon as a whole, including its key features, and has not adequately shown that a POSITA would have combined the teachings of Yoon and Unold in the manner asserted to arrive at claim 19. See *Polaris Indus., Inc. v. Arctic Cat, Inc.*, 882 F.3d 1056, 1069 (Fed. Cir. 2018) ("[A reference's] statements regarding preferences are relevant to a finding regarding whether a skilled artisan would be motivated to combine that reference with another reference."). Moreover, because the proposed combination would change the principle operation of Yoon, this shows that the references are not sufficient to render the claims obvious. See MPEP § 2143.01 ("If the proposed modification or combination of the prior art would change the principle of operation of the prior art invention being modified, then the teachings of the references are not sufficient to render the claims *prima facie* obvious." *In re Ratti*, 270 F.2d 810, 813, 123 USPQ 349, 352 (CCPA 1959)).

Simply picking and choosing from references only so much as will support the Examiner's position, to the exclusion of other parts necessary to the full appreciation of what such reference fairly suggests to one of ordinary skill in the art, is an impermissible form of formulating an obviousness rejection. *See In re Wesslau*, 353 F.2d 238, 241 (1965) ("It is impermissible within

the framework of section 103 to pick and choose from any one reference only so much of it as will support a given position, to the exclusion of other parts necessary to the full appreciation of what such reference fairly suggests to one of ordinary skill in the art.").

Accordingly, the purported benefit for modifying Yoon in view of Unold does not apply to Yoon and the teachings of these references would not have prompted a POSITA to have modified Yoon based on the teachings of Unold.

For these additional reasons, reversal of the rejection of dependent claim 19 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

G. Rejections under pre-AIA 35 U.S.C. § 103(a): Yoon and Mikkelsen

The Office has rejected claims 24 and 25 under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Mikkelsen et al US 20100077022 (hereinafter Mikkelsen).

In view of the above arguments with respect to independent claim 10, and because Mikkelsen does not cure the above-mentioned deficiencies of Yoon, reversal of the rejections of dependent claims 24 and 25 under pre-AIA 35 U.S.C. 103(a) is respectfully requested.

1. Dependent Claims 24-25: Argued Separately

Claim 24 recites:

"The system of claim 10, wherein the code further comprises at least one instruction for performing a verification whether the computer program has authorization to **initiate a location session** with the content delivery platform software, wherein:

if the verification passes, the computer program is allowed to initiate a **location session** with the content delivery platform software; and

if the verification fails, the computer program is not allowed to initiate a **location session** with the content delivery platform software."

The Examiner admits that Yoon does not disclose the features of claim 24 and cites Mikkelsen as curing this deficiency of Yoon. In particular, the Examiner states, at page 42, line 19 to page 43, line 11 of the Final Office Action:

> Mikkelsen discloses a method for media delivery to a device comprising performing a verification whether the computer program in the device has authorization (see fig. 21, [0271]) to initiate a session with a content delivery platform software (content server, see fig. 20, [0280]), wherein;
> if the verification passes, the computer program is allowed to initiate a location session with the content delivery platform software (using an authorization key to authenticate a user at a content server before providing a music clip file and advertisements to the user, [0063], [0260]-[0261], [0265]-[0266], [0279]-[0280], [0282], [0284]); and
> if the verification fails, the computer program is not allowed to initiate a location session with the content delivery platform software.
>
> It would therefore have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention to combine the teaching of Mikkelsen with Yoon by authenticating a mobile device at the content server before providing the mobile device with any content, as taught by Mikkelsen, for the benefit of delivering advertising messages along with a user selected video clip.

First, Mikkelsen does not initiate ***location* sessions** and the Examiner is in error for failing to address the term "***location***" in this claim language. The Examiner has the burden of explaining how such a determination reads on this claim language, and the Examiner's explanation is deficient because it does not address the claim language. See *In re Oetiker*, 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992)("The examiner bears the initial burden ... of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir.

1993) ("Only if that burden [of establishing a prima facie case] is met, does the burden of coming forward with evidence or argument shift to the applicant.").

Second, there is no teaching in Yoon that any location-related information is received by advertisement providing server 2 from navigation terminal 3. As discussed above, in a step S20, an advertisement transmitting means 22 of the advertisement providing server 2 transmits the advertisement as part of broadcast data to the navigation terminal 3. Paragraphs [0029], [0030]. The navigation terminal 3 receives the broadcast data and the advertisement receiving means 31 of the navigation terminal 3 extracts the information of the advertisement and stores this information in an advertisement database 310. Paragraph [0031]. During real time route guidance, a location comparing means 32 of navigation terminal 2 "regards a location on the map as a user's location, and compares the user's location with the advertisement area in real time" in a step S40. Paragraph [0032]. Next, in a step S50, if the user's location is in the advertisement area, the advertisement inquiring means 33 inquires out at least one corresponding advertisement stored in the advertisement DB 310. Paragraph [0033]. Finally, in a step S60, "[t]he inquired advertisement is informed to the user by the advertisement informing means 34 through a speaker unit 302 or a display unit 303." Paragraph [0034]. Thus, location determinations are solely performed by navigation terminal 3 without any involvement of advertisement providing server 2.

The articulated reasoning from the Examiner that it would have been obvious "to combine the teaching of Mikkelsen with Yoon by authenticating a mobile device at the content server before providing the mobile device with any content, as taught by Mikkelsen, for the benefit of delivering advertising messages along with a user selected video clip" to obtain the subject matter of claim 24 lacks a rational underpinning. Neither reference teaches a "**location session**," and the Examiner

has not explained why this claim feature would have been obvious based on the teachings of the cited references.

For these additional reasons, reversal of the rejection of dependent claim 24 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested. Likewise, reversal of the rejection of its dependent claim 25 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

2. Dependent Claim 25: Argued Separately

Claim 25 recites:

"The system of claim 24, wherein performing the verification comprises performing, for the computer program, a check on a key being previously stored in a data store that the content delivery platform software uses for **validating location sessions initiated by one or more computer programs installed on the mobile device**."

The Examiner admits that Yoon does not disclose the features of claim 25 and cites Mikkelsen as curing this deficiency of Yoon. In particular, the Examiner states, at page 43, lines 17-23 of the Final Office Action:

> Mikkelsen further discloses wherein performing the verification comprises performing, for the computer program, a check on a key being previously stored in a data store that the content delivery platform software service uses for validating location sessions initiated by one or more computer programs installed on the mobile device (using an authorization key to authenticate a user at a content server before providing a music clip file and advertisements to the user, [0063], [0260]-[0261], [0265]-[0266], [0279]-[0280], [0282],[0284]).

As similarly noted with respect to claim 24, neither reference teaches a "**location session**" and the articulated reasoning for this rejection lacks a rational underpinning. It follows then that, for the same reasons stated in claim 24, neither reference teaches a check on a key being previously stored in a data store that the content delivery platform software uses for validating **location sessions** initiated by one or more computer programs installed on the mobile device, and that the

articulated reasoning for this rejection also lacks a rational underpinning, as there is no teaching in Yoon that any location information is received by advertisement providing server 2 from navigation terminal 3.

Furthermore, the Examiner has not provided any reasoning why it would have been obvious to a POSITA to combine the teachings of Mikkelsen with Yoon. This is insufficient to establish obviousness. As the Federal Circuit has held, "there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398, 418 (2007).

For at least this reason, a *prima facie* case of unpatentability has not been established, and thus the burden of coming forth with evidence or argument has not shifted to Applicants. See *In re Oetiker*, 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444 (Fed. Cir. 1992) ("The examiner bears the initial burden … of presenting a *prima facie* case of unpatentability."); see also, *In re Rijckaert*, 9 F.3d 1531, 1532 (Fed. Cir. 1993) ("Only if that burden [of establishing a *prima facie* case] is met, does the burden of coming forward with evidence or argument shift to the applicant."). Accordingly, reversal of the rejection of dependent claim 26 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

For any of these additional reasons, reversal of the rejection of dependent claim 25 under pre-AIA 35 U.S.C. § 103(a) is respectfully requested.

VIII. CONCLUSION

It is respectfully submitted that the application is in condition for allowance. Favorable consideration of this appeal brief is respectfully requested.

Respectfully submitted,

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APPENDIX A

CLAIMS 1 to 5, 7 to 14, and 16 to 32 of
U.S. APPLICATION NO. 17/863,208

1. (Previously Presented) A system for creating and offloading location awareness, the system including a mobile device and comprising:
    at least one memory;
    at least one processor operably coupled to the at least one memory; and
    code configured for execution by the at least one processor, wherein the code comprises at least one instruction for:
        sending, to content delivery platform software:
            a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and
            geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest; and
        receiving, via the computer program, the identifier delivered by the content delivery platform software after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest.

2. (Previously Presented) The system of claim 1, wherein the code further comprises at least one instruction for, in response to receiving, via the computer program, the identifier

delivered by the content delivery platform software, displaying, via a connected display device, content associated with the selected geographic area of interest.

3. (Previously Presented) The system of claim 1, wherein:

the code further comprises at least one instruction for sending the identifier to the content delivery platform software; and

the computer program is an application program.

4. (Original) The system of claim 1, wherein:

the geometric construct comprises at least a latitude value, a longitude value, and a radius value; and

the geographic reservation data further comprises information indicating an area bounded by the at least one perimeter as the selected geographic area of interest.

5. (Previously Presented) The system of claim 4, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the code further comprises at least one instruction for sending, to the content delivery platform software, a second request to have an identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered a second selected geographic area of interest, wherein the second

selected geographic area of interest is distinct from the first selected geographic area of interest.

7. (Previously Presented) The system of claim 1, wherein:

receiving, via the computer program, the identifier delivered by the content delivery platform software comprises receiving the identifier after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time.

8. (Previously Presented) The system of claim 7, wherein the predetermined length of time is not a predetermined length of time provided to the content delivery platform software in connection with a particular request to have an identifier delivered to a computer program on the mobile device after it has been determined that the mobile device has at least entered a selected geographic area of interest and has remained therein for at least the predetermined length of time but is a predetermined length of time set by the content delivery platform software.

9. (Previously Presented) The system of claim 1, wherein the identifier is to be delivered exclusively to the computer program and not to be broadcast to other computer programs on the mobile device.

10. (Previously Presented) A system for creating and offloading location awareness, the system including a mobile device and comprising:
    at least one memory;
    at least one processor operably coupled to the at least one memory; and
    code configured for execution by the at least one processor, wherein the code comprises at least one instruction for:

receiving, via content delivery platform software:

a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest;

reserving, in the at least one memory, the selected geographic area of interest for delivery of the identifier to the computer program;

obtaining location information representing at least one physical geographic location of the mobile device; and

delivering the identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest.

11. (Previously Presented) The system of claim 10, wherein the code further comprises at least one instruction for:

sending, to the content delivery platform software, the request and the geographic reservation data; and

receiving, via the computer program, the identifier in response to the delivering.

12. (Previously Presented) The system of claim 10, wherein:

the code further comprises at least one instruction for:

receiving the identifier via the content delivery platform software; and

in response to receiving the identifier via the content delivery platform software, storing, in the at least one memory, the identifier; and

delivering the identifier to the computer program comprises delivering the identifier from the at least one memory.

13. (Original) The system of claim 10, wherein delivering the identifier to the computer program comprises delivering the identifier after it has been determined that the mobile device has at least remained within the selected geographic area of interest for at least a predetermined length of time.

14. (Original) The system of claim 12, wherein the code further comprises at least one instruction for:

preserving delivery of the identifier from the at least one memory to the computer program until after it has been determined that the mobile device has remained within the selected geographic area of interest for at least a predetermined length of time.

15. (Canceled).

16. (Original) The system of claim 10, wherein the code further comprises at least one instruction for determining, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest.

17. (Original) The system of claim 10, wherein the code further comprises at least one instruction for determining, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time.

18. (Original) The system of claim 10, wherein the code further comprises at least one instruction for creating a notification that the mobile device has at least entered the selected geographic area of interest.

19. (Previously Presented) The system of claim 10, wherein:

reserving the selected geographic area of interest for delivery of the identifier to the computer program comprises reserving the selected geographic area of interest only after it has been determined that the selected geographic area of interest is available to be reserved; and

the code further comprises at least one instruction for sending a notification indicating that the selected geographic area of interest has been reserved.

20. (Original) The system of claim 16, wherein the determining considers whether at least a predetermined portion of the selected geographic area of interest intersects the mobile device's location circle, wherein the location circle comprises the area contained within a predetermined radius of the geographic location of the mobile device.

21. (Previously Presented) The system of claim 10, wherein the code further comprises at least one instruction for:

receiving, from a third party tracking source, location information corresponding to at least one location of one or more mobile devices, wherein the one or more mobile devices is not the mobile device and the location information received from the third party tracking source is to be used, in combination with information received via an antenna of the mobile device, for positioning the geographic location of the mobile device; and

using the location information received from the third party tracking source, in combination with wireless information received via an antenna of the mobile device operable to communicate with a wireless network, to position the geographic location of the mobile device.

22. (Previously Presented) The system of claim 10, wherein:

the code further comprises at least one instruction for:

receiving, via the content delivery platform software:

a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to a second computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered a second selected geographic area of interest; and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second identifier to the second computer program, wherein the second geographic reservation data comprises a second geometric construct used to establish at least one perimeter as a boundary for the second selected geographic area of interest;

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second identifier to the second computer program; and

delivering the second identifier to the second computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest.

23. (Previously Presented) The system of claim 10, wherein:

the code further comprises at least one instruction for:

receiving, via the content delivery platform software:

a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered a second selected geographic area of interest; and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second identifier to the computer program, wherein the second geographic reservation data comprises a second geometric construct used to establish at least one perimeter as a boundary for the second selected geographic area of interest;

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second identifier to the computer program; and

delivering the second identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest.

24. (Previously Presented) The system of claim 10, wherein the code further comprises at least one instruction for performing a verification whether the computer program has authorization to initiate a location session with the content delivery platform software, wherein:

if the verification passes, the computer program is allowed to initiate a location session with the content delivery platform software; and

if the verification fails, the computer program is not allowed to initiate a location session with the content delivery platform software.

25. (Previously Presented) The system of claim 24, wherein performing the verification comprises performing, for the computer program, a check on a key being previously stored in a data store that the content delivery platform software uses for validating location sessions initiated by one or more computer programs installed on the mobile device.

26. (Original) The system of claim 10, wherein the obtained location information is determined at least in part by using cellular tower information received via a cellular antenna of the mobile device and not by using information received via a GPS antenna of the mobile device.

27. (Original) The system of claim 16, wherein determining that the mobile device has at least entered the selected geographic area of interest comprises determining that the mobile device has at least entered the selected geographic area of interest by at least use of a specialized processor for processing whether the mobile device has at least entered the selected geographic area of interest.

28. (Previously Presented) The system of claim 11, wherein:

the code further comprises at least one instruction for determining that the mobile device has at least entered the selected geographic area of interest, wherein the at least one instruction for determining is configured for execution by a specialized processor of the mobile device, and the specialized processor is distinct from the at least one processor on which the at least one instruction for sending the request and the geographic reservation data to the content delivery platform software executes.

29. (Previously Presented) A non-transitory computer readable medium for creating and offloading location awareness, said non-transitory computer readable medium causing at least one processor to perform the steps of:

sending, to content delivery platform software:

a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on a mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest; and

receiving, via the computer program, the identifier delivered by the content delivery platform software after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest.

30. (Previously Presented) A non-transitory computer readable medium for creating and offloading location awareness, said non-transitory computer readable medium causing at least one processor to perform the steps of:

receiving, via content delivery platform software:

a request to have an alphanumeric identifier, being associated with a selected geographic area of interest, delivered to a computer program on a mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the alphanumeric identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest;

reserving, in at least one memory, the selected geographic area of interest for delivery of the alphanumeric identifier to the computer program;

obtaining location information representing at least one physical geographic location of the mobile device; and

delivering the alphanumeric identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest.

31. (Canceled).

32. (Previously Presented) The non-transitory computer readable medium of claim 29, wherein the identifier is an alphanumeric identifier.

APPENDIX B

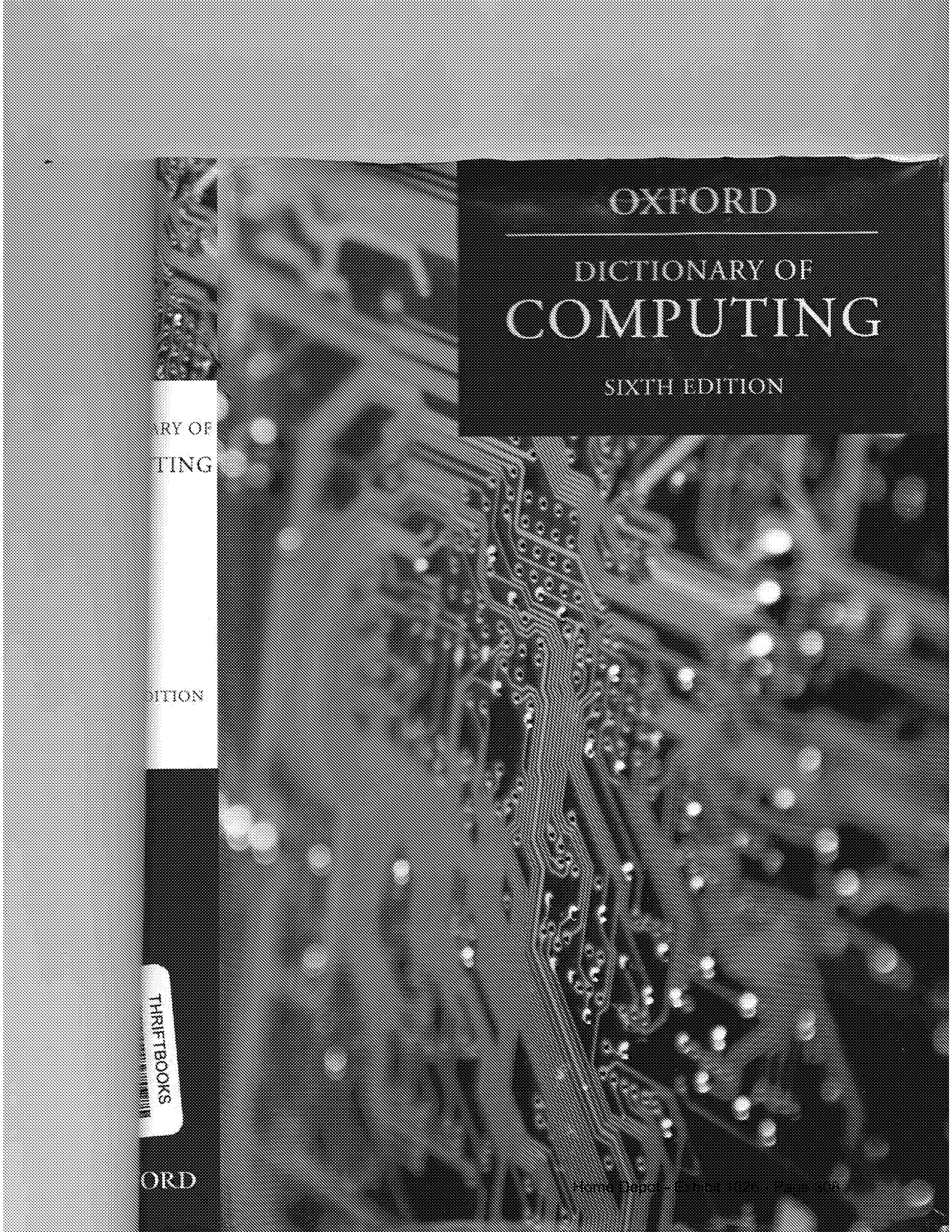
Evidence Appendix under 37 C.F.R. §41.37 (c) (ix):

No evidence pursuant to 37 C.F.R. §§1.130, 1.131 or 1.132 and relied upon in the appeal has been submitted by appellants or entered by the examiner.

APPENDIX C

Related proceedings appendix under 37 C.F.R. §41.37 (c) (x):

As stated in "2. RELATED APPEALS AND INTERFERENCES" of this appeal brief, appellants, their legal representatives, and assignee are not aware of any appeal or interference that directly affects, will be directly affected by, or will have a bearing on the Board's decision in this appeal.


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Home Depot - Exhibit 1026 - Page 004

ing how a control parameter influences a system.

identifier A string of characters used to identify (or *name) some element of a program. The kind of element that may be named depends on the programming language; it may be a variable, a data structure, a procedure, a statement, a higher-level unit, or the program itself.

identity burst *See* TAPE FORMAT.

identity element of a *set S on which some *dyadic operation $*$ is defined. An element e with the property that

$$a * e = e * a = a$$

for all elements a in S. It can be shown that e is unique. In normal arithmetic, 0 and 1 are the identity elements associated with addition and multiplication respectively. In a *Boolean algebra, 0 and 1 are the identities associated with the OR and the AND operations respectively.

identity function A *function

$$I: S \rightarrow S$$

with the property that

$I(x) = x$ for all x in S

Such a function leaves every element in its domain unaltered. Identity functions are needed for such purposes as the definition of *inverses of functions.

identity matrix (unit matrix) A *diagonal matrix, symbol I, with each diagonal element equal to one.

idle time *See* AVAILABLE TIME.

IDMS A database management system based on the *CODASYL network model.

IDP *Abbrev. for* integrated data processing. *See* DATA PROCESSING.

IEC International Electrotechnical Commission, an international body concerned with the standardization of electrical and electronic components.

SEE WEB LINKS

- The IEC home page

IEEE Institute of Electrical and Electronics Engineers, formed in 1963 by the merger of the IRE (Institute of Radio Engineers) and the AIEE (American Institute of Electrical Engineers). Though based in the USA, it represents electrical and electronics engineers throughout the world. The IEEE Computer Society (IEEE-CS) is one of several special-interest groups.

The IEEE is an accredited organization for writing US national standards in telecommunications and computing (*see* ANSI). For example, Project 802 is a long-running project that manages the production of standards for the physical layer of local area networks, ensuring that standards are produced quickly whenever new technologies such as wireless or infrared become available.

SEE WEB LINKS

- The IEEE home page

IEEE1394 *See* FIREWIRE.

IESG *Abbrev. for* Internet Engineering Steering Group. *See* INTERNET SOCIETY.

IETF *Abbrev. for* Internet Engineering Task Force. *See* INTERNET SOCIETY.

if and only if statement A well-formed formula of the form

$$A \equiv B$$

where A and B are also appropriate well-formed formulas. *See* BICONDITIONAL, PROPOSITIONAL CALCULUS.

IFE *Abbrev. for* intelligent front end.

iff *Short for* if and only if.

IFIP International Federation for Information Processing, founded in 1959 under the auspices of UNESCO and coming into official existence in 1960. It is a multinational federation of professional/technical societies, or groups of such societies, concerned with information processing. Each member country has only one such society or group as a full member. IFIP aims to "promote information science and technology, advance international cooperation in the field of information processing, stimulate research, development, and application of information processing, further dissemination and exchange of information on information processing, and encourage education in information processing."

SEE WEB LINKS

- The IFIP home page

IFS *Abbrev. for* iterated function system.

if then else statement The most basic conditional construct in a programming lan-

guage, allowing selection between two alternatives, dependent on the truth or falsity of a given condition. Most languages also provide an *if ... then* construct to allow conditional execution of a single statement or group of statements. Primitive languages such as Basic in its original form, restrict the facility to a conditional transfer of control, e.g.

"IF A = 0 THEN 330"

which is reminiscent of the conditional jump provided in the order code of every CPU. *See also* CONDITIONAL.

IGBT *Abbrev. for* insulated-gate *bipolar transistor, usually applied in the control of high-power systems such as traction motors.

IGES *Acronym for* initial graphics exchange specification. An *ANSI standard developed in 1980 for exchanging product data between applications. Although *STEP was intended to replace the IGES standard, it is still widely used.

ignore character (fill character) A character used in transmission to fill an otherwise empty position and whose value is ignored.

IH *Abbrev. for* interrupt handler.

iLink *See* FIREWIRE.

ill-conditioned *See* CONDITION NUMBER.

illegal character Any character not in the *character set of a given machine or allowed by a given programming language or *protocol.

illegal instruction An instruction that has an invalid *operation code. It is sometimes deliberately inserted in an instruction stream when debugging in order to cause the program halt, or interrupt, at a particular point.

ILLIAC IV An *array processor that was designed by Daniel Slotnick and used a 64-element array of processing units (PUs), each interconnected to its four nearest neighbours. The array of PUs was regulated by a single processor that controlled the flow of instructions to the PUs. The ILLIAC IV was sponsored by ARPA and built by Burroughs Corporation. It became operable at the Ames Research Center of NASA in the early 1970s and was finally dismantled in 1981.

Home Depot - Exhibit 1026 - Page 110

Electronic Acknowledgement Receipt

EFS ID:	48387860
Application Number:	17863208
International Application Number:	
Confirmation Number:	2712
Title of Invention:	Exclusive Delivery of Content Within Geographic Areas
First Named Inventor/Applicant Name:	Ryan Hardin
Customer Number:	23280
Filer:	Clint R. Mehall
Filer Authorized By:	
Attorney Docket Number:	971600.1001
Receipt Date:	03-AUG-2023
Filing Date:	12-JUL-2022
Time Stamp:	00:44:26
Application Type:	Utility under 35 USC 111(a)

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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Appeal Brief Filed	9716001001FiledAppealBrief03aug23.PDF	543655 3e6a02eb41cb7b925fe6614cf3e1c099e8da29f9	no	115

Warnings:

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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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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/863,208	07/12/2022	Ryan Hardin	971600.1001	2712

23280 7590 06/28/2023

Davidson, Davidson & Kappel, LLC
589 8th Avenue
22nd Floor
New York, NY 10018

EXAMINER	
AJIBADE AKONAI, OLUMIDE	

ART UNIT	PAPER NUMBER
3648	

NOTIFICATION DATE	DELIVERY MODE
06/28/2023	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):

ddk@ddkpatent.com

Advisory Action Before the Filing of an Appeal Brief	Application No. 17/863,208	Applicant(s) Hardin et al.	
	Examiner OLUMIDE T AJIBADE AKONAI	Art Unit 3648	AIA (FITF) Status No

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

THE REPLY FILED 07 June 2023 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 APPLICANTS 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 07 June 2023. 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 37CFR 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): 35 U.S.C. 112 (pre-AIA), first paragraph rejection of claims 1-5, 7-14, 16-28, and 31
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: _____.

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:1-5,7-14 and 16-32.
    Claim(s) withdrawn from consideration:_____.

/OLUMIDE AJIBADE AKONAI/ Primary Examiner, Art Unit 3648	

Continuation of REQUEST FOR RECONSIDERATION/OTHER 12. The request for reconsideration has been considered but does NOT place the application in condition for allowance because: The amendment to the claims overcome the 35 U.S.C. 112 (pre-AIA), first paragraph rejection of claims 1-5, 7-14, 16-28, and 31 and the 35 U.S.C. 112 (pre-AIA), second paragraph rejection of claim 21. However, the amendment to the claims do not overcome the pre-AIA 35 U.S.C. 102(e) and pre-AIA 35 U.S.C. 103(a) rejections. Therefore the the pre-AIA 35 U.S.C. 102(e) and pre-AIA 35 U.S.C. 103(a) rejections are maintained for the reasons indicated in the final rejection mailed 03/09/2023.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Ryan Hardin
Application No.: 17/863,208
Filing Date: 12 July 2022
Examiner: Ajibade Akonai, Olumide
Group Art Unit: 3648
Docket No.: 971600.1001
Title: EXCLUSIVE DELIVERY OF CONTENT WITHIN GEOGRAPHIC AREAS

RESPONSE TO OFFICE ACTION

Date: 07 June 2023

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

OK TO ENTER: /O.A/

06/23/2023

Dear Examiner:

This is a response to a Final Office Action ("the Final Office Action") mailed March 9, 2023 by the United States Patent and Trademark Office ("the Office") regarding the above-identified application ("the Instant Application"). The applicants of the Instant Application ("the Applicants") request reconsideration of the Instant Application in view of the amendments and/or remarks presented herein.

Amendments in the Claims begin on page 2 of this correspondence;

Remarks begin on page 12 of this correspondence; and

Conclusions begin on page 14 of this correspondence.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Ryan Hardin
Application No.: 17/863,208
Filing Date: 12 July 2022
Examiner: Ajibade Akonai, Olumide
Group Art Unit: 3648
Docket No.: 971600.1001
Title: EXCLUSIVE DELIVERY OF CONTENT WITHIN GEOGRAPHIC AREAS

RESPONSE TO OFFICE ACTION

Date: 07 June 2023

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

Dear Examiner:

This is a response to a Final Office Action ("the Final Office Action") mailed March 9, 2023 by the United States Patent and Trademark Office ("the Office") regarding the above-identified application ("the Instant Application"). The applicants of the Instant Application ("the Applicants") request reconsideration of the Instant Application in view of the amendments and/or remarks presented herein.

Amendments in the Claims begin on page 2 of this correspondence;

Remarks begin on page 12 of this correspondence; and

Conclusions begin on page 14 of this correspondence.

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AMENDMENTS IN THE CLAIMS

Please amend the claims as follows. This listing of the claims will replace all prior versions, and listings, of the claims in the Instant Application.

1. (Currently Amended) A system for creating and offloading location awareness, the system including a mobile device and comprising:

at least one memory;

at least one processor operably coupled to the at least one memory; and

code configured for execution by the at least one processor, wherein the code comprises at least one instruction for:

sending, to content delivery platform software:

a request to have an ~~boundary~~ identifier, being associated with a selected geographic area of interest, delivered to a computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the ~~boundary~~ identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest; and

receiving, via the computer program, the ~~boundary~~ identifier delivered by the content delivery platform software after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest.

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2. (Currently Amended) The system of claim 1, wherein the code further comprises at least one instruction for, in response to receiving, via the computer program, the ~~boundary~~ identifier delivered by the content delivery platform software, displaying, via a connected display device, content associated with the selected geographic area of interest.

3. (Currently Amended) The system of claim 1, wherein:

the code further comprises at least one instruction for sending the ~~boundary~~ identifier to the content delivery platform software; and

the computer program is an application program.

4. (Original) The system of claim 1, wherein:

the geometric construct comprises at least a latitude value, a longitude value, and a radius value; and

the geographic reservation data further comprises information indicating an area bounded by the at least one perimeter as the selected geographic area of interest.

5. (Currently Amended) The system of claim 4, wherein:

the selected geographic area of interest is a first selected geographic area of interest; and

the code further comprises at least one instruction for sending, to the content delivery platform software, a second request to have a<u>n</u> ~~boundary~~ identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered a second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest.

6. (Canceled).

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7. (Currently Amended) The system of claim 1, wherein:

receiving, via the computer program, the ~~boundary~~ identifier delivered by the content delivery platform software comprises receiving the ~~boundary~~ identifier after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time.

8. (Currently Amended) The system of claim 7, wherein the predetermined length of time is not a predetermined length of time provided to the content delivery platform software in connection with a particular request to have an ~~boundary~~ identifier delivered to a computer program on the mobile device after it has been determined that the mobile device has at least entered a selected geographic area of interest and has remained therein for at least the predetermined length of time but is a predetermined length of time set by the content delivery platform software.

9. (Currently Amended) The system of claim 1, wherein the ~~boundary~~ identifier is to be delivered exclusively to the computer program and not to be broadcast to other computer programs on the mobile device.

10. (Currently Amended) A system for creating and offloading location awareness, the system including a mobile device and comprising:

at least one memory;

at least one processor operably coupled to the at least one memory; and

code configured for execution by the at least one processor, wherein the code comprises at least one instruction for:

receiving, via content delivery platform software:

a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic

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location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest;

reserving, in the at least one memory, the selected geographic area of interest for delivery of the identifier to the computer program;

obtaining location information representing at least one physical geographic location of the mobile device; and

delivering the identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest~~;~~

~~the content delivery platform software residing in the mobile device~~.

11. (Previously Presented) The system of claim 10, wherein the code further comprises at least one instruction for:

sending, to the content delivery platform software, the request and the geographic reservation data; and

receiving, via the computer program, the identifier in response to the delivering.

12. (Previously Presented) The system of claim 10, wherein:

the code further comprises at least one instruction for:

receiving the identifier via the content delivery platform software; and

in response to receiving the identifier via the content delivery platform software, storing, in the at least one memory, the identifier; and

delivering the identifier to the computer program comprises delivering the identifier from the at least one memory.

13. (Original) The system of claim 10, wherein delivering the identifier to the computer program comprises delivering the identifier after it has been determined that the mobile device has at least remained within the selected geographic area of interest for at least a predetermined length of time.

14. (Original) The system of claim 12, wherein the code further comprises at least one instruction for:

preserving delivery of the identifier from the at least one memory to the computer program until after it has been determined that the mobile device has remained within the selected geographic area of interest for at least a predetermined length of time.

15. (Canceled).

16. (Original) The system of claim 10, wherein the code further comprises at least one instruction for determining, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest.

17. (Original) The system of claim 10, wherein the code further comprises at least one instruction for determining, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest and has remained therein for at least a predetermined length of time.

18. (Original) The system of claim 10, wherein the code further comprises at least one instruction for creating a notification that the mobile device has at least entered the selected geographic area of interest.

19. (Previously Presented) The system of claim 10, wherein:

reserving the selected geographic area of interest for delivery of the identifier to the computer program comprises reserving the selected geographic area of interest only after it has been determined that the selected geographic area of interest is available to be reserved; and

the code further comprises at least one instruction for sending a notification indicating that the selected geographic area of interest has been reserved.

20. (Original) The system of claim 16, wherein the determining considers whether at least a predetermined portion of the selected geographic area of interest intersects the mobile device's location circle, wherein the location circle comprises the area contained within a predetermined radius of the geographic location of the mobile device.

21. (Previously Presented) The system of claim 10, wherein the code further comprises at least one instruction for:

receiving, from a third party tracking source, location information corresponding to at least one location of one or more mobile devices, wherein the one or more mobile devices is not the mobile device and the location information received from the third party tracking source is to be used, in combination with information received via an antenna of the mobile device, for positioning the geographic location of the mobile device; and

using the location information received from the third party tracking source, in combination with wireless information received via an antenna of the mobile device operable to communicate with a wireless network, to position the geographic location of the mobile device.

22. (Previously Presented) The system of claim 10, wherein:

the code further comprises at least one instruction for:

receiving, via the content delivery platform software:

a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to a second

computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered a second selected geographic area of interest; and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second identifier to the second computer program, wherein the second geographic reservation data comprises a second geometric construct used to establish at least one perimeter as a boundary for the second selected geographic area of interest;

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second identifier to the second computer program; and

delivering the second identifier to the second computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest.

23. (Previously Presented) The system of claim 10, wherein:

the code further comprises at least one instruction for:

receiving, via the content delivery platform software:

a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered a second selected geographic area of interest; and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second identifier to the computer program, wherein the second geographic reservation data comprises a second geometric construct used to

establish at least one perimeter as a boundary for the second selected geographic area of interest;

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second identifier to the computer program; and

delivering the second identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest.

24. (Previously Presented) The system of claim 10, wherein the code further comprises at least one instruction for performing a verification whether the computer program has authorization to initiate a location session with the content delivery platform software, wherein:

if the verification passes, the computer program is allowed to initiate a location session with the content delivery platform software; and

if the verification fails, the computer program is not allowed to initiate a location session with the content delivery platform software.

25. (Previously Presented) The system of claim 24, wherein performing the verification comprises performing, for the computer program, a check on a key being previously stored in a data store that the content delivery platform software uses for validating location sessions initiated by one or more computer programs installed on the mobile device.

26. (Original) The system of claim 10, wherein the obtained location information is determined at least in part by using cellular tower information received via a cellular antenna of the mobile device and not by using information received via a GPS antenna of the mobile device.

27. (Original) The system of claim 16, wherein determining that the mobile device has at least entered the selected geographic area of interest comprises determining that the

mobile device has at least entered the selected geographic area of interest by at least use of a specialized processor for processing whether the mobile device has at least entered the selected geographic area of interest.

28. (Previously Presented) The system of claim 11, wherein:

the code further comprises at least one instruction for determining that the mobile device has at least entered the selected geographic area of interest, wherein the at least one instruction for determining is configured for execution by a specialized processor of the mobile device, and the specialized processor is distinct from the at least one processor on which the at least one instruction for sending the request and the geographic reservation data to the content delivery platform software executes.

29. (Previously Presented) A non-transitory computer readable medium for creating and offloading location awareness, said non-transitory computer readable medium causing at least one processor to perform the steps of:

sending, to content delivery platform software:

a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on a mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest; and

receiving, via the computer program, the identifier delivered by the content delivery platform software after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile

device, that the mobile device has at least entered the selected geographic area of interest.

30. (Previously Presented) A non-transitory computer readable medium for creating and offloading location awareness, said non-transitory computer readable medium causing at least one processor to perform the steps of:

receiving, via content delivery platform software:

a request to have an alphanumeric identifier, being associated with a selected geographic area of interest, delivered to a computer program on a mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest; and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the alphanumeric identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest;

reserving, in at least one memory, the selected geographic area of interest for delivery of the alphanumeric identifier to the computer program;

obtaining location information representing at least one physical geographic location of the mobile device; and

delivering the alphanumeric identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest.

31. (Canceled).

32. (Previously Presented) The non-transitory computer readable medium of claim 29, wherein the identifier is an alphanumeric identifier.

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REMARKS

Claims 1-5, 7-14, 16-28, and 31 are rejected under 35 U.S.C. 112 (pre-AIA), first paragraph, as failing to comply with the written description requirement. Claim 21 rejected under 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite. Claims 1-5, 9-12, 16, 20, 22, 23, and 27-32 are rejected under pre-AIA 35 U.S.C. 102(e) as being anticipated by Yoon et al US 20080270235 (hereinafter Yoon). Claims 7 and 8 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Lempio et al US 20030207683 (hereinafter Lempio). Claims 13, 14, 17, and 18 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Zellner et al US 20020077084 (hereinafter Zellner). Claim 26 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Barnes et al US 8,010,134 (hereinafter Barnes). Claim 19 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Unold et al US 20020055880 (hereinafter Unold). Claims 24 and 25 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Yoon et al US 20080270235 (hereinafter Yoon) in view of Mikkelsen et al US 20100077022 (hereinafter Mikkelsen).

An appeal is submitted herewith appealing the indefiniteness rejection and the prior art rejections.

Claims 1 to 3, 5, 7 to 10 have been amended without prejudice and claim 31 has been canceled without prejudice in order to remove the written description issues and thus streamline issues for appeal. Similar subject manner will be pursued in one or more continuation applications. "Boundary" has been removed from claims 1 to 5 and 7 to 9 to clarify that the claimed "identifier"

is the "identifier" in paragraph [0050] of the present application, which corresponds to the position taken by the Office.

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CONCLUSION

The Applicants have made an earnest attempt to place this case in condition for allowance. For the foregoing reasons, and for reasons clearly apparent, the Applicants respectfully request full allowance of all pending claims.

If any fees are due in connection with this submission, please charge our Deposit Account No. 50-0552.

Respectfully submitted,

DAVIDSON, DAVIDSON & KAPPEL, LLC

By: /Clint R. Mehall/

Clint R. Mehall
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Electronic Patent Application Fee Transmittal

Application Number:	17863208
Filing Date:	12-Jul-2022
Title of Invention:	Exclusive Delivery of Content Within Geographic Areas
First Named Inventor/Applicant Name:	Ryan Hardin
Filer:	Clint R. Mehall
Attorney Docket Number:	971600.1001

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:				
NOTICE OF APPEAL	1401	1	840	840
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**840**

Electronic Acknowledgement Receipt

EFS ID:	48119110
Application Number:	17863208
International Application Number:	
Confirmation Number:	2712
Title of Invention:	Exclusive Delivery of Content Within Geographic Areas
First Named Inventor/Applicant Name:	Ryan Hardin
Customer Number:	23280
Filer:	Clint R. Mehall
Filer Authorized By:	
Attorney Docket Number:	971600.1001
Receipt Date:	07-JUN-2023
Filing Date:	12-JUL-2022
Time Stamp:	21:23:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$840
RAM confirmation Number	E202367L24499040
Deposit Account	
Authorized User	

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

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Notice of Appeal Filed	9716001001FiledNoticeOfAppeal07jun23.PDF	252568 f3dfffeb0b55d996059e5946d71e012cd7340e48	no	2
Warnings:					
Information:					
2		9716001001FiledRespFOA07jun23.PDF	105450 fb30a0bfca3ebb4b202755b6c5abbd0302e1a1d7	yes	14

Multipart Description/PDF files in .zip description

Document Description	Start	End
Response After Final Action	1	1
Claims	2	11
Applicant Arguments/Remarks Made in an Amendment	12	14

Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	38034 8515e77d729878bb3f64570e737bc7f2f11762f1	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	396052		

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.

PTO/AIA/31 (03-14)
Approved for use through 01/31/2021. OMB 0651-0031
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 displays a valid OMB control number.

NOTICE OF APPEAL FROM THE EXAMINER TO THE PATENT TRIAL AND APPEAL BOARD

Docket Number (Optional): 971600.1001

I hereby certify that this correspondence is being facsimile transmitted to the USPTO, EFS-Web transmitted to the USPTO, or deposited with the United States Postal Service with sufficient postage in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, on Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on June 7, 2023.

Signature /Clint R. Mehall/

Typed or printed name Clint R. Mehall

In re Application of: Ryan Hardin et al.

Application Number	Filed
17/863,208	12 July 2022

For: EXCLUSIVE DELIVERY OF CONTENT WITHIN GEOGRAPHIC AREAS

Art Unit	Examiner
3648	Ajibade Akonai, Olumide Monsur

Applicant hereby **appeals** to the Patent Trial and Appeal Board from the last decision of the examiner.

The fee for this Notice of Appeal is (37 CFR 41.20(b)(1)) $ 840

☐ Applicant asserts small entity status. See 37 CFR 1.27. Therefore, the fee shown above is reduced by 50%, and the resulting fee is: $ _____

☐ Applicant certifies micro entity status. See 37 CFR 1.29. Therefore, the fee shown above is reduced by 75%, and the resulting fee is: $ _____
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☑ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 50-0552.

☑ Payment made via EFS-Web.

☐ A petition for an extension of time under 37 CFR 1.136(a) (PTO/AIA/22 or equivalent) is enclosed.
For extensions of time in reexamination proceedings, see 37 CFR 1.550.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

I am the

☐ applicant

☑ attorney or agent of record
Registration number 62380

☐ attorney or agent acting under 37 CFR 1.34
Registration number _____

Signature /Clint R. Mehall/

Typed or printed name Clint R. Mehall

Telephone Number 212-736-1940

Date June 7, 2023

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☐ * Total of _____ forms are submitted.

This collection of information is required by 37 CFR 41.20(b)(1) and 41.31. 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, 1.14 and 41.6. 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.

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.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
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 displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/863,208	Filing Date 07/12/2022	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) 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 $100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $480 =	
☐ 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	06/07/2023	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 29	Minus	** 30	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 4	Minus	*** 4	= 0		x $480 =	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		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $0 =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $0 =	
	☐ 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.	LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/TRACEY M YOUNG/
*** 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.	

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.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER	
AJIBADE AKONAI, OLUMIDE	

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NOTIFICATION DATE	DELIVERY MODE
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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):

ddk@ddkpatent.com

Office Action Summary	Application No. 17/863,208	Applicant(s) Hardin et al.	
	Examiner OLUMIDE T AJIBADE AKONAI	Art Unit 3648	AIA (FITF) 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 07 February 2023.

☐ 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) 1-5,7-14 and 16-32 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) 1-5,7-14 and 16-32 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)

2) ☑ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) 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.

Response to Amendment (Affidavit)

2. The declaration under 37 CFR 1.132 filed February 7, 2023 is insufficient to overcome the rejection of claims 1-30 based upon the insufficiency of disclosure under 35 U.S.C. 112(a) or 35 U.S.C. 112 (pre-AIA), first paragraph, and the references applied under pre-AIA 35 U.S.C. 102(e) and pre-AIA 35 U.S.C. 103(a) as set forth in the last Office action because: most of the declaration is testimony opinion rather than factual evidence and the factual evidence presented are not germane to the rejection at issue. "Although factual evidence is preferable to opinion testimony, such testimony is entitled to consideration and some weight so long as the opinion is not on the ultimate legal conclusion at issue." MPEP 716.01(c).

The examiner has carefully read and considered the affidavit of Scott Denning. After weighing all the facts and opinions in the affidavit, the examiner is not persuaded because most of the opinion statements in the affidavit are testimony opinion, rather than factual evidence, and factual evidence provided is not sufficient to overcome the 35 U.S.C. 112(a) or 35 U.S.C. 112 (pre-AIA), first paragraph, and the references applied under pre-AIA 35 U.S.C. 102(e) and pre-AIA 35 U.S.C. 103(a) rejections.

Furthermore, the opinion statements are conclusory opinions (See *Ex parte* George, 21 USPQ2d 1058 (Bd. Pat. App. & Inter. 1991) (conclusory statements that results were “unexpected,” unsupported by objective factual evidence, were considered

but were not found to be of substantial evidentiary value). Although an affidavit or declaration which states only conclusions may have some probative value, such an affidavit or declaration may have little weight when considered in light of all the evidence of record in the application. *In re Brandstadter,* 484 F.2d 1395, 179 USPQ 286 (CCPA 1973).

The examiner has identified the following paragraphs in the declaration as containing factual statements: 27, 35, 36, 38, 39, 43, 45, 46, 47, 48. However, these paragraphs do not provide factual evidence that will make a POSITA understand that the mobile device receives a "boundary identifier" from the "content delivery server" after it has been determined that the mobile device has entered the selected geographical area of interest, and that the content delivery platform software resides in the mobile device (the mobile device receiving the identifier from the content delivery platform in claims 1, 10, and 31)

Regarding claim 6 (now cancelled and incorporated into claim 1 in the currently pending claims), the declaration states that the identifier delivered by the content delivery platform is a boundary identifier, boundary identifiers are content suitable for delivery to mobile devices via registered applications, and geographical areas delivered to registered applications can be boundary identifiers. Paragraphs [0019]-[0020], [0045]-[0050] are referred to as providing evidence. However, the none of these statements are cited paragraphs provide any factual evidence or support for the limitation "sending, to a-content delivery platform software:

a request to have a **boundary** identifier, being associated with a selected geographic area of interest, delivered to a computer program on the mobile device after

it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest."

The applicant's specification discloses a boundary identifier(s) in only one paragraph:

[0046] The perimeters established can be based on map features, such as streets, rivers, landmarks, or any of the other various map features. The perimeters can also be defined by latitude and longitude, or various geometric constructs having a given relative position to either a point location, a map location, a physical address, or otherwise. Some embodiments allow for establishing ***perimeters defining areas*** *based on a combination of the various types of constructs. So, for example, latitude, longitude and map features may be used to establish the reserved area, or a combination of coordinates and geometric constructs can be used in conjunction with other suitable* ***boundary identifiers*** *to establish an area that may be reserved specifically for content related to a particular advertiser or sponsor.*

In the cited paragraph, sponsors reserve, at the content delivery platform 112 (see fig. 1) particular geographic areas. These reserved geographic areas represent areas the sponsors wish to reserve for delivery of their advertisements or other content controlled by the sponsor (see paragraph [0045] of the applicant's specification). Furthermore, as seen in paragraph [0045]-[0046] of the applicant's specification, the sponsor can establish perimeters defining geographic areas of interest to the sponsor. The applicant's specification then lists "boundary identifiers" as examples for establishing a reserved area. Therefore, based on the applicant's specification, when a request is sent to a content delivery platform, the request is from a sponsor for reserving a geographic area (such as boundary identifier) for delivery of advertisements. Claim 1 seems to suggest that the "boundary identifier" is delivered to the mobile device when it enters the selected geographic area of interest. This is not taught, suggested, or made obvious by the applicant's specification. It is advertisements that are delivered to the mobile device after it has been determined that the mobile device has entered a

geographic area of interest (i.e., the sponsors provide the content delivery platform with the boundary identifier(s) so that the content delivery platform can provide advertisements to the mobile device when the mobile devices enters a geographic area of the boundary identifier(s)). The declaration does not provide any factual evidence that suggests that the mobile device received a "boundary identifier" from a content delivery platform software when the mobile device entered the selected geographic area of interest.

Regarding claim 15 (now cancelled and incorporated into claim 10 in the currently pending claims), the declaration states that a POSITA would have recognized that the specification supports a mobile device executing instructions that implement the content delivery platform, that the invention was described to be implemented through software run or stored on a mobile device, and that the term platform includes implementation through software on a mobile device. Paragraphs [0022], [0064], Jing et al (1999, ACM Computing Surveys Journal), U.S. publication number 20090043657, and "Modern Operating Systems" by Andrew Tanenbaum as providing factual evidence. However, as mentioned with respect to claim 1, none of the references provide any factual evidence of "content delivery platform software" residing in the mobile device. While the examiner acknowledges that software can be run on a mobile device, in the current claims, the "content delivery platform software" is not, and is not required to be in or run by the mobile the device. The only software disclosed in the claim as being in the mobile device is the "computer program" which the mobile device uses to receive an identifier from the content delivery platform software.

As already recited above, according to the applicant's specification, the content delivery platform 112 receives a request from the sponsor(s) to reserve a geographic location of interest for delivery of advertisements (~identifiers) to mobile devices that enter the reserved geographic location ([0045]-[0046]). Therefore, based on the applicant's specification, the content delivery platform software is in the content delivery platform 112, not the mobile device receiving the identifier.

The examiner acknowledges that the content delivery platform and mobile device can be any type of computer which has a processing system(s) and software executable on them. However, that does not mean that the claimed "content delivery platform software" resides on the mobile device receiving the identifier when it enters a geographic area of interest selected by a sponsor because this software is not required by the mobile device for receiving the identifier and the applicant's specification on discloses the content delivery platform software in the context of the content delivery platform 112 (see fig. 1, [0045]-[0046]). The specification is silent on the content delivery platform software residing on the claimed mobile device.

Regarding claims 1 and 29, the declaration asserts that in the context of the present application, an advertisement is not an identifier. The declaration points to paragraph [0050] of the applicant's specification as listing advertisements and identifier as being different content. However, the specification doesn't list in which specific way an identifier is different from an advertisement. For example, an advertisement can include images and/or any identifier (e.g., and alphanumeric identifier) that enables a user of the mobile station to identify an advertisement. An identifier can be any type of information or data that enables a user to identify information received at the mobile

device. Overall, both are content delivered to the mobile device by the content provider, and while paragraph [0050] of the applicant's specification lists advertisement and identifier separately, there is no specific distinction between the data in the identifier and the advertisement that is disclosed in the specification. Furthermore, Yoon discloses providing an advertisement in a display of a navigation device (see fig. 4, [0035]). As can be seen from the figure, the advertisement contains alphanumeric identifiers in the pop-up window 101. Therefore, Yoon teaches both an advertisement and/or identifier, as recited in the claims.

The declaration also asserts that claims 1 and 29, when interpreted in light of Figure 5 of the application and the corresponding paragraphs [0050]-[0056], requires that the request is sent prior to any determination that the mobile device has entered the selected geographic area of interest. The examiner respectfully notes that this is not what is claimed. While the request can be sent prior to any determination that the mobile device has entered a geographic area of interest, this is not a requirement based on the language in the claims. According to the current claim language, it is not required that the request to the content delivery platform software be sent only prior to any determination that the mobile device has entered the geographic area of interest (i.e., the request can be sent before or after determination that the mobile device has entered the geographical area of interest, and until the claims are specific about the request being sent before the determination, the claims are not restricted only to the interpretation provided in the declaration). The examiner also notes that Yoon does disclose sending the request to the content delivery platform software prior to any determination that the mobile device has entered has entered the selected geographic

area of interest. This can be see for example in figure 3 and paragraphs [0029]-[0030] of Yoon. The advertisement terminal registers an advertisement file with the homepage of the advertisement server and sets the advertisement area and period (~request). When a navigation terminal (~mobile device) is in the advertisement area at a specified period, the advertisement is transmitted to the navigation terminal (see figs. 3 and 4, [0029]-[0030], [0035]). This reads on the limitation "a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on a mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest," as recited in claims 1, 10, 29, and 30.

In view of the foregoing, when all the evidence is considered, the totality of the rebuttal evidence of lack of written description and anticipation fail to outweigh the evidence of lack of written description and anticipation because the opinions of Scott Denning do not undermine the reasoning from the previous office action.

Response to Arguments

3. Applicant's arguments filed February 7, 2023 have been fully considered but they are not persuasive.

Regarding claim 1, the applicant's representative asserts that the identifier delivered by the content delivery platform is a boundary identifier. The examiner respectfully disagrees because, as previously stated above, in the only paragraph of the applicant's specification that recites a "boundary identifier" ([0046]), at the content delivery platform 112 (see fig. 1), the boundary identifier is used to select a geographic

area of interest at the content delivery platform. These reserved geographic areas of interest represent areas the sponsors wish to reserve for delivery of their advertisements or other content controlled by the sponsor (see paragraph [0045] of the applicant's specification). Furthermore, as seen in paragraph [0045]-[0046] of the applicant's specification, the sponsor can establish perimeters defining geographic areas of interest to the sponsor. The applicant's specification then lists "boundary identifiers" as examples for establishing a reserved area. Therefore, based on the applicant's specification, when a request is sent to a content delivery platform, the request is from a sponsor for reserving a geographic area (such as boundary identifier) for delivery of advertisements. Claim 1 seems to suggest that the "boundary identifier" is delivered to the mobile device when it enters the selected geographic area of interest. This is not taught, suggested, or made obvious by the applicant's specification. It is advertisements that are delivered to the mobile device after it has been determined that the mobile device has entered a geographic area of interest (i.e., the sponsors provide the content delivery platform with the boundary identifier(s) so that the content delivery platform can provide advertisements to the mobile device when the mobile devices enters a geographic area of the boundary identifier(s)).

Regarding claim 15, the applicant's representative asserts that the specification, viewed through the full knowledge and sill a POSITA would bring to bear when reviewing the specification, confirms the applicants were in possession of the claimed invention. The examiner respectfully disagrees and maintains that for the same reasons indicated above in the declaration, the newly added limitation to claim 10 is not taught, suggested, or made obvious by the applicant's specification and thus constitute new

matter. In the applicant's specification, the content delivery platform 112 receives a request from the sponsor(s) to reserve a geographic location of interest for delivery of advertisements (~identifiers) to mobile devices that enter the reserved geographic location ([0045]-[0046]). Therefore, based on the applicant's specification, the content delivery platform software is in the content delivery platform 112, not the mobile device receiving the identifier. The examiner acknowledges that the content delivery platform and mobile device can be any type of computer which has a processing system(s) and software executable on them. However, that does not mean that the claimed "content delivery platform software" resides on the mobile device receiving the identifier when it enters a geographic area of interest selected by a sponsor because this software is not required by the mobile device for receiving the identifier and the applicant's specification on discloses the content delivery platform software in the context of the content delivery platform 112 (see fig. 1, [0045]-[0046]). The specification is silent on the content delivery platform software residing on the claimed mobile device.

Regarding claim 1, the applicant's representative further asserts that Yoon fails to disclose at least "a request to have a boundary identifier, … the select geographic area of interest" as recited in claim 1. The examiner respectfully disagrees for the reasons already provided above in the response to the declaration and the response to arguments regarding the 35 USC 112 rejection.

Regarding claim 10, the applicant's representative further asserts that Yoon fails to disclose at least "the content delivery platform residing in the mobile device" as recited in claim 10. The examiner respectfully disagrees for the reasons already

provided above in the response to the declaration and the response to arguments regarding the 35 USC 112 rejection.

Regarding claim 22, the applicant's representative further asserts that Yoon does not disclose "…receiving, via the content delivery platform software: a second request to have a second identifier …, delivered to a second computer program on the mobile device… has entered a second selected geographic area of interest" as recited in claim 22. The examiner respectfully disagrees because paragraph [0029] of Yoon clearly shows that more than one advertisement can be sent to the navigation terminal. Furthermore, a POSITA will recognize that the advertiser terminal 4 is not just a terminal capable of signing up to send ads just once. This can always be done as needed, per the advertiser's budget or need. The advertisement can also be sent and presented to the navigation device via other media and interface other the popup window, thus indicating other computer programs ([0030], [0035]). Therefore, the examiner maintains that Yoon discloses the claimed limitation "…receiving, via the content delivery platform software: a second request to have a second identifier …, delivered to a second computer program on the mobile device… has entered a second selected geographic area of interest" as recited in claim 22.

Regarding claim 29, the applicant's representative asserts that Yoon does not disclose an identifier or anything remote close to an identifier, and an advertisement is not an identifier. The examiner respectfully disagrees. The applicant's specification doesn't explain in which specific way an identifier is different from an advertisement. For example, an advertisement can include images and/or any identifier (e.g., and alphanumeric identifier) that enables a user of the mobile station to identify an

advertisement. An identifier can be any type of information or data that enables a user to identify information received at the mobile device. Overall, both are content delivered to the mobile device by the content provider, and while paragraph [0050] of the applicant's specification lists advertisement and identifier separately, there is no specific distinction between the data in the identifier and the advertisement that is disclosed in the specification. Furthermore, Yoon discloses providing an advertisement in a display of a navigation device (see fig. 4, [0035]). As can be seen from the figure, the advertisement contains alphanumeric identifiers in the pop-up window 101. Therefore, Yoon teaches both an advertisement and/or identifier, as recited in the claims.

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., "…requires that the request is sent prior to any determination that the mobile device has entered the selected geographic area of interest.") are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). According to the current claim limitation, it is not required that the request to the content delivery platform software be sent only prior to any determination that the mobile device has entered the geographic area of interest (i.e., the request can be sent before or after determination that the mobile device has entered the geographical area of interest, and until the claims are specific about the request being sent before the determination, the claims are not restricted only to the interpretation provided in the declaration). The examiner also notes that Yoon does disclose sending the request to the content delivery platform software prior to any

determination that the mobile device has entered has entered the selected geographic area of interest. This can be see for example in figure 3 and paragraphs [0029]-[0030] of Yoon. The advertisement terminal registers an advertisement file with the homepage of the advertisement server and sets the advertisement area and period (~request). When a navigation terminal (~mobile device) is in the advertisement area at a specified period, the advertisement is transmitted to the navigation terminal (see figs. 3 and 4, [0029]-[0030], [0035]). This reads on the limitation "a request to have an identifier, being associated with a selected geographic area of interest, delivered to a computer program on a mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest," as recited in claims 1, 10, 29, and 30.

In response to the applicant's arguments that Yoon does not expressly describe instructions for sending the request to any content delivery platform software as claimed, the examiner notes that the registering of the advertisement file and setting of the advertisement area and period by the advertisement terminal 4 at the advertisement providing server 2 clearly reads on this claim limitation.

In response to the applicant's arguments that Yoon does not mention "an alphanumeric identifier," the examiner notes that the pop-up window 101 in fig. 4 and [0035] of the Yoon discloses an alphanumeric identifier which is transmitted to the navigation device from the advertisement providing server 2 when the navigation device enters the specific advertisement area (see [0029], [0035]).

Claim Rejections - 35 USC § 112

4. The following is a quotation of the first paragraph of 35 U.S.C. 112(a):

> (a) IN GENERAL.—The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor or joint inventor of carrying out the invention.

The following is a quotation of the first paragraph of pre-AIA 35 U.S.C. 112:

> The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor of carrying out his invention.

5. Claims 1-5, 7-14, 16-28, and 31 are rejected under 35 U.S.C. 112(a) or 35 U.S.C. 112 (pre-AIA), first paragraph, as failing to comply with the written description requirement. The claims contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor or a joint inventor, or for applications subject to pre-AIA 35 U.S.C. 112, the inventor(s), at the time the application was filed, had possession of the claimed invention.

Claim 1 recites the claim limitation "sending, to a-content delivery platform software:

a request to have a **boundary identifier**, being associated with a selected geographic area of interest, delivered to a computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest." However, the specification does not

provide sufficient details such that one of ordinary skill in the art would understand how content delivery platform software delivers a boundary identifier to the computer program on the mobile device. The applicant's specification only discloses allowing the sponsors to reserve particular geographic areas. The sponsor can also establish perimeters defining geographic areas of exclusive or semi-exclusive control. This is recited in paragraphs [0045]-[0046] of the specification:

[0045] *Referring next to Figure 4, a method 400 for allowing sponsors to reserve particular geographic areas will be discussed according to embodiments of the present disclosure. Method 400 begins, as illustrated by block 401. As illustrated by block 403, a content delivery platform, for example content delivery platform 112 as illustrated in Figure 1, can receive a request for sponsor registration, which can also include receiving physical address location from the sponsor. As illustrated by block 405, the sponsor can establish perimeters defining geographic areas of exclusive or semi-exclusive control. These geographic areas are areas the sponsor wishes to reserve for delivery of his own advertisements or other content controlled by the sponsor.*

[0046] *The perimeters established can be based on map features, such as streets, rivers, landmarks, or any of the other various map features. The perimeters can also be defined by latitude and longitude, or various geometric constructs having a given relative position to either a point location, a map location, a physical address, or otherwise. Some embodiments allow for establishing perimeters defining areas based on a combination of the various types of constructs. So, for example, latitude, longitude and map features may be used to establish the reserved area, or a combination of coordinates and geometric constructs can be used in conjunction with other* ***suitable boundary identifiers*** *to establish an area that may be reserved specifically for content related to a particular advertiser or sponsor.*

The applicant's specification discloses what an identifier is in paragraph [0050]:

[0050] *A sponsor can provide content for delivery to mobile devices having target locations contained within its reserved area, as illustrated by block 415. This* ***content*** *can include advertisements, still image content, animated content, video content, audio content,* ***alphanumeric identifiers****, or other content suitable for delivery to mobile devices via registered applications. As illustrated by block 417, the content received from the sponsor can be stored for later delivery to registered applications running on mobile devices having target locations that exist within the sponsor's reserved area, which such target locations may include, but are not limited to, when the mobile device or target location physically enters or remains within the sponsor's reserved area for a desired length of time. In some*

embodiments, content can be delivered to a mobile device by the sponsor or another party in response to a notification that the mobile device or target location has entered or is contained within the sponsor's reserved area. Method 400 ends, as illustrated at block 419.

The "identifiers" and "boundary identifiers" disclosed in the applicant's specification are neither similar nor interchangeable. The identifier is content transmitted to the mobile device, while the "boundary identifiers" define an area that is being reserved specifically by a sponsor for delivery of "identifiers" by the content delivery platform. Therefore, in the applicant's specification, the boundary identifier(s) is provided by the sponsor(s) to the content delivery platform software, and not from the content delivery platform software to the computer program on the mobile device as the claim seems to suggest. The specification also discloses delivering the sponsor's content (advertisements) from the content delivery platform to the mobile device (see [0018], [0021], [0027], [0032]-[0033], [0038] of the specification). The specification only discloses the use of generic "suitable boundary identifiers" along with other information to establish the area that is being reserved, and there is no indication of a specific boundary identifier being sent to the mobile device in any manner.

Thus, for the reasons explained above, the disclosure does not provide adequate support for the limitation "wherein the identifier delivered by the content delivery platform software is a boundary identifier" as recited in the claim. The specification does not demonstrate that the applicant has made an invention that achieves the claimed function because the invention is not described with sufficient detail such that one of ordinary skill in the art can reasonably conclude that the inventor hand possession of the claimed invention.

Claims 2-5, 7-9, and 31 are rejected under 35 U.S.C. 112(a) or 35 U.S.C. 112 (pre-AIA), first paragraph, as failing to comply with the written description requirement by virtue of being dependent on claim 1.

Claim 10 and 31 recite "the content delivery platform software resides in the mobile device." The specification is devoid of any indication of any content delivery platform software that resides in the mobile device. Instead, the applicant's specification only discloses a computer program in the mobile device (see paragraphs [0019]-[0020]). Any content delivery platform software is at the content delivery platform 112, which, based on the applicant's disclosure and drawings, is separate from the mobile device. Therefore, the claimed limitation "the content delivery platform software resides in the mobile device" is not taught, suggested, or made obvious by the applicant's specification and thus constitutes new matter.

Claims 11-14 and 16-28 are rejected under 35 U.S.C. 112(a) or 35 U.S.C. 112 (pre-AIA), first paragraph, as failing to comply with the written description requirement for the same reason as claim 10.

6. The following is a quotation of 35 U.S.C. 112(b):

> (b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

> The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:
> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claim 21 rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor (or for applications subject to pre-AIA 35 U.S.C. 112, the applicant), regards as the invention.

Claim 21 recites the limitation "the mobile terminal" in lines 9, 10, 13, and 15. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

8. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

9. The following is a quotation of the appropriate paragraphs of pre-AIA 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

10. Claims 1-5, 9-12, 16, 20, 22, 23, and 27-32 are rejected under pre-AIA 35 U.S.C. 102(e) as being anticipated by **Yoon et al US 20080270235** (**hereinafter Yoon**).

Regarding **claim 1**, Yoon discloses a system for creating and offloading location awareness (1, see fig. 1, [0018]-[0019]), the system including a mobile device (user terminal/navigation terminal, see fig. 1, [0022]) and comprising:

at least one memory (advertiser terminal 4, connecting to homepage of advertisement providing server (~memory storing code/software for performing connecting to homepage), see [0019]-[0020], [0029].);

at least one processor operably coupled to the at least one memory (advertiser terminal 4, connecting to homepage of advertisement providing server (~memory storing code/software for performing connecting to homepage), see [0019]-[0020], [0029]); and code configured for execution by the at least one processor, wherein the code comprises at least one instruction for:

sending, to a-content delivery platform software (advertisement providing server 2, see fig. 3, [0029]):

a request to have a boundary identifier (advertisement, information of the advertisement, see figs. 2-3, [0019]-[0020] (the examiner is interpreting the "boundary identifier" as just being an identifier because as stated above, there is no support the "boundary identifier" as recited in the claim), being associated with a selected geographic area of interest, delivered to a computer program on the mobile device (see fig. 3, 31 310, 32, 33, [0021]-[0022]. The means are operated using software/computer program in the navigation terminal) after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest (advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser, see [0029], [0035]); and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the boundary identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one

perimeter as a boundary for the selected geographic area of interest (advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser, see [0019]-[0020], [0023], [0029], [0035]); and

receiving, via the computer program, the boundary identifier delivered by the content delivery platform software after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest (when user location comparing means 32 determines that the navigation terminal is in the advertisement area, advertisement acquiring means acquires the advertisement from the DB and provides the advertisement to the speaker and display unit, see fig. 3, [0022]-[0025], [0033], [0034]).

Regarding **claim 2** as applied to claim 1, Yoon further discloses wherein the code further comprises at least one instruction for, in response to receiving, via the computer program, the boundary identifier delivered by the content delivery platform software, displaying, via a connected display device, content associated with the selected geographic area of interest (see figs. 3-4, [0025], [0034]-[0035]).

Regarding **claim 3** as applied to claim 1, Yoon further discloses wherein: the code further comprises at least one instruction for sending the boundary identifier to the content delivery platform software (registering an advertisement file, receiving application of an advertisement from an advertiser, see figs. 2-3, [0019]-[0020], [0029]); and the computer program is an application program (see fig. 3, 31 310, 32, 33, [0021]-

[0022]. The means are operated using software/computer program in the navigation terminal).

Regarding **claim 4** as applied to claim 1, Yoon further discloses wherein: the geometric construct comprises at least a latitude value, a longitude value, and a radius value (coordinate position of the navigation terminal is in the advertisement area; a distance tolerance is used to determine that the user's location is within the advertisement area, see [0020]); and the geographic reservation data further comprises information indicating an area bounded by the at least one perimeter as the selected geographic area of interest (coordinate position of the navigation terminal is in the advertisement area; a distance tolerance is used to determine that the user's location is within the advertisement area, see [0020], [0023], [0029], [0035]).

Regarding **claim 5** as applied to claim 4, Yoon further discloses wherein: the selected geographic area of interest is a first selected geographic area of interest (advertisement area, see [0020]); and

the code further comprises at least one instruction for sending, to the content delivery platform software, service a second request to have a boundary identifier, being associated with a second selected geographic area of interest, delivered to the computer program on the mobile device after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered a second selected geographic area of interest, wherein the second selected geographic area of interest is distinct from the first selected geographic area of interest (providing real time advertisements based on the location under navigation's operation. Providing advertisements in real time based

on location required providing the advertisements to the advertisement providing server, see [0007], [0019]-[0020], [0035]).

Regarding **claim 9** as applied to claim 1, Yoon further discloses wherein the boundary identifier is to be delivered exclusively to the computer program and not to be broadcast to other computer programs on the mobile device.

Regarding **claim 10**, Yoon discloses a system for creating and offloading location awareness (1, see fig. 1, [0018]-[0019]), the system including a mobile device (user terminal/navigation terminal, see fig. 1, [0022]) and comprising:

at least one memory (advertiser terminal 4, connecting to homepage of advertisement providing server (~memory storing code/software for performing connecting to homepage), see [0019]-[0020], [0029]);

at least one processor operably coupled to the at least one memory (advertiser terminal 4, connecting to homepage of advertisement providing server (~memory storing code/software for performing connecting to homepage), see [0019]-[0020], [0029]); and

code configured for execution by the at least one processor, wherein the code comprises at least one instruction for:

receiving, via content delivery platform software (advertisement providing server 2, see fig. 3, [0029]):

a request to have an identifier (advertisement, information of the advertisement see figs. 2-3, [0019]-[0020]), being associated with a selected geographic area of interest, delivered to a computer program on the mobile device (see fig. 3, 31 310, 32, 33, [0021]-[0022]. The means are operated using software/computer program in the navigation terminal) after it has been determined, by at least use of location information

representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest (advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser, see [0029], [0035]); and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest (advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser, see [0019]-[0020], [0023], [0029], [0035]);

reserving, in the at least one memory, the selected geographic area of interest for delivery of the identifier to the computer program (storing the advertisement area for later comparison with the user's location, see fig. 3, [0020], [0023], [0029], [0033], [0035]);

obtaining location information representing at least one physical geographic location of the mobile device (user's location, see [0032], [0032]); and

delivering the identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest (when user location comparing means 32 determines that

the navigation terminal is in the advertisement area, advertisement acquiring means acquires the advertisement from the DB and provides the advertisement to the speaker and display unit, see fig. 3, [0020], [0022]-[0025], [0033], [0034]);

the content delivery platform software residing in the mobile device (this limitation is being treated as having software on the mobile device because as stated in the 112(a) rejection, the specification does not disclose or suggest "content delivery platform software" on the mobile device receiving advertisement/identifier. See fig. 3, 31 310, 32, 33, [0021]-[0022]. The means are operated using software/computer program in the navigation terminal).

Regarding **claim 11** as applied to claim 10, Yoon further discloses wherein the code further comprises at least one instruction for: sending, to the content delivery platform software (advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser, see [0029], [0035]), the request and the geographic reservation data; and

receiving, via the computer program, the identifier in response to the delivering (when user location comparing means 32 determines that the navigation terminal is in the advertisement area, advertisement acquiring means acquires the advertisement from the DB and provides the advertisement to the speaker and display unit, see fig. 3, [0020], [0022]-[0025], [0033], [0034]).

Regarding **claim 12** as applied to claim 10, Yoon further discloses wherein: the code further comprises at least one instruction for: receiving the identifier via the content

delivery platform software (advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser, see [0029], [0035]); and in response to receiving the identifier via the content delivery platform software, storing, in the at least one memory, the identifier (see [0029]); and delivering the identifier to the computer program comprises delivering the identifier from the at least one memory (see [0029]).

Regarding **claim 16** as applied to claim 10, Yoon further discloses wherein the code further comprises at least one instruction for determining, using the obtained location information, that the mobile device has at least entered the selected geographic area of interest (see [0023], [0033]).

Regarding **claim 20** as applied to claim 16, Yoon further discloses wherein the determining considers whether at least a predetermined portion of the selected geographic area of interest intersects the mobile device's location circle, wherein the location circle comprises the area contained within a predetermined radius of the geographic location of the mobile device (see [0023], [0033]).

Regarding **claim 22** as applied to claim 10, Yoon further discloses wherein: the code further comprises at least one instruction for: receiving, via the content delivery platform software:

a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to a second computer program on the mobile device after it has been determined, by at least use of location information representing

at least one physical geographic location of the mobile device, that the mobile device has at least entered a second selected geographic area of interest (advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser. Providing real time advertisements based on the location under navigation's operation. Providing advertisements in real time based on location required providing the advertisements to the advertisement providing server, see [0007], [0019]-[0020], [0029], [0035]); and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second identifier to the second computer program, wherein the second geographic reservation data comprises a second geometric construct used to establish at least one perimeter as a boundary for the second selected geographic area of interest (advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser, see [0019]-[0020], [0023], [0029], [0035]);

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second identifier to the second computer program (storing the advertisement area for later comparison with the user's location, see fig. 3, [0020], [0023], [0029], [0033], [0035]); and

delivering the second identifier to the second computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest (when user location comparing means 32 determines that the navigation terminal is in the advertisement area, advertisement acquiring means acquires the advertisement from the DB and provides the advertisement to the speaker and display unit. Delivering advertisements real time based on the navigation terminal's location, see fig. 3, [0020], [0022]-[0025], [0033], [0034]).

Regarding **claim 23** as applied to claim 10, Yoon further discloses wherein: the code further comprises at least one instruction for:

receiving, via the content delivery platform software (advertisement providing server 2, see fig. 3, [0029]):

a second request to have a second identifier, being associated with a second selected geographic area of interest, delivered to the computer program after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered a second selected geographic area of interest (advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser. Providing real time advertisements based on the location under navigation's operation. Providing advertisements in real time based on location required providing

the advertisements to the advertisement providing server, see [0007], [0019]-[0020], [0029], [0035]); and

second geographic reservation data to have the second selected geographic area of interest reserved for delivery of the second identifier to the computer program, wherein the second geographic reservation data comprises a second geometric construct used to establish at least one perimeter as a boundary for the second selected geographic area of interest (advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser, see [0019]-[0020], [0023], [0029], [0035]);

reserving, in the at least one memory, the second selected geographic area of interest for delivery of the second identifier to the computer program (storing the advertisement area for later comparison with the user's location, see fig. 3, [0020], [0023], [0029], [0033], [0035]); and

delivering the second identifier to the computer program after it has been determined, using the obtained location information, that the mobile device has at least entered the second selected geographic area of interest (when user location comparing means 32 determines that the navigation terminal is in the advertisement area, advertisement acquiring means acquires the advertisement from the DB and provides the advertisement to the speaker and display unit. Delivering advertisements real time based on the navigation terminal's location, see fig. 3, [0020], [0022]-[0025], [0033], [0034]).

Regarding **claim 27** as applied to claim 16, Yoon further discloses wherein determining that the mobile device has at least entered the selected geographic area of interest comprises determining that the mobile device has at least entered the selected geographic area of interest by at least use of a specialized processor for processing whether the mobile device has at least entered the selected geographic area of interest (see fig. 3, [0023], [0033]).

Regarding **claim 28** as applied to claim 11, Yoon further discloses wherein: the code further comprises at least one instruction for determining that the mobile device has at least entered the selected geographic area of interest, wherein the at least one instruction for determining is configured for execution by a specialized processor of the mobile device, and the specialized processor is distinct from the at least one processor used by the at least one instruction for sending the request and the geographic reservation data to the content delivery platform software (comparing means 32 compares the user's location with the advertisement area and determines the user's location is in the advertisement area, see fig. 1, [0032]-[0033]).

Regarding **claim 29**, Yoon discloses a non-transitory computer readable medium for creating and offloading location awareness, said non-transitory computer readable medium causing at least one processor (advertiser terminal 4, connecting to homepage of advertisement providing server (~memory storing code/software for performing connecting to homepage), see [0019]-[0020], [0029]) to perform the steps of: sending, to a-content delivery platform software (advertisement providing server 2, see fig. 3, [0029]):

a request to have an identifier (advertisement, information of the advertisement see figs. 2-3, [0019]-[0020]), being associated with a selected geographic area of interest, delivered to a computer program on a mobile device (see fig. 3, 31 310, 32, 33, [0021]-[0022]. The means are operated using software/computer program in the navigation terminal) after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest (advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser, see [0029], [0035]); and

geographic reservation data to have the selected geographic area of interest reserved for delivery of the identifier to the computer program, wherein the geographic reservation data comprises a geometric construct used to establish at least one perimeter as a boundary for the selected geographic area of interest (advertisement receiving means receives information of the advertisement including the advertisement for delivery to the navigation terminal when the navigation device enters a specific area, the advertisement area and period (date and time) to receive the advertisement, from the advertiser, see [0019]-[0020], [0023], [0029], [0035]); and

receiving, via the computer program, the identifier delivered by the content delivery platform software service after it has been determined, by at least use of location information representing at least one physical geographic location of the mobile device, that the mobile device has at least entered the selected geographic area of interest