## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4904040

| SUBMISSION TYPE:      | NEW ASSIGNMENT    |
|-----------------------|-------------------|
| NATURE OF CONVEYANCE: | SECURITY INTEREST |

#### **CONVEYING PARTY DATA**

| Name                    | Execution Date |
|-------------------------|----------------|
| UBER TECHNOLOGIES, INC. | 04/04/2018     |

#### **RECEIVING PARTY DATA**

| Name:           | CORTLAND CAPITAL MARKET SERVICES LLC, AS ADMINISTRATIVE AGENT |  |
|-----------------|---|--|
| Street Address: | 225 W. WASHINGTON ST., 9TH FLOOR                              |  |
| City:           | CHICAGO   |  |
| State/Country:  | ILLINOIS  |  |
| Postal Code:    | 60606   |  |

#### **PROPERTY NUMBERS Total: 332**

504857301

| Property Type  | Number  |
|----------------|---------|
| Patent Number: | 8284190 |
| Patent Number: | 9110163 |
| Patent Number: | 9235775 |
| Patent Number: | 9870512 |
| Patent Number: | 9798931 |
| Patent Number: | 9888087 |
| Patent Number: | 9911170 |
| Patent Number: | 9575837 |
| Patent Number: | 9551586 |
| Patent Number: | 6925381 |
| Patent Number: | 7082364 |
| Patent Number: | 7191057 |
| Patent Number: | 7627422 |
| Patent Number: | 7941267 |
| Patent Number: | 6795869 |
| Patent Number: | 7035869 |
| Patent Number: | 9015134 |
| Patent Number: | 7725425 |
| Patent Number: | 9229973 |
| Patent Number: | 9152710 |
|                |         |

PATENT

REEL: 045853 FRAME: 0418

| Property Type  | Number  |
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| Patent Number: | 9026509 |
| Patent Number: | 9165074 |
| Patent Number: | 9646108 |
| Patent Number: | 9081813 |
| Patent Number: | 9727595 |
| Patent Number: | 9262538 |
| Patent Number: | 9396276 |
| Patent Number: | 7010308 |
| Patent Number: | 5963956 |
| Patent Number: | 6470287 |
| Patent Number: | D776689 |
| Patent Number: | D760282 |
| Patent Number: | D794038 |
| Patent Number: | D806745 |
| Patent Number: | D812094 |
| Patent Number: | D775988 |
| Patent Number: | D774408 |
| Patent Number: | D738900 |
| Patent Number: | D734348 |
| Patent Number: | D763293 |
| Patent Number: | D724619 |
| Patent Number: | D774082 |
| Patent Number: | D732048 |
| Patent Number: | D784361 |
| Patent Number: | D759031 |
| Patent Number: | D750109 |
| Patent Number: | D743977 |
| Patent Number: | D774520 |
| Patent Number: | D775635 |
| Patent Number: | D795267 |
| Patent Number: | D795885 |
| Patent Number: | D806746 |
| Patent Number: | D807898 |
| Patent Number: | 9066206 |
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| Patent Number: | 9610893 |
| Patent Number: | 9824582 |
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| Patent Number: | 9898791 |
| Patent Number: | 9536271 |
| Patent Number: | 9718397 |
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| Patent Number: | 8713663 |
| Patent Number: | 8549044 |
| Patent Number: | 7966215 |
| Patent Number: | 8533215 |
| Patent Number: | 9031281 |
| Patent Number: | 7813873 |
| Patent Number: | 8219578 |
| Patent Number: | 9453739 |
| Patent Number: | 9304008 |
| Patent Number: | 8510045 |
| Patent Number: | 8401786 |
| Patent Number: | 9135353 |
| Patent Number: | 9151614 |
| Patent Number: | 9488486 |
| Patent Number: | 9778059 |
| Patent Number: | 9791284 |
| Patent Number: | 9805130 |
| Patent Number: | 9134137 |
| Patent Number: | 7054743 |
| Patent Number: | 7324896 |
| Patent Number: | 7599792 |
| Patent Number: | 7194357 |
| Patent Number: | 7751971 |
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| Patent Number: | 7680861 |
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| Patent Number: | 9412199 |
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| Patent Number: | 9305371 |

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| Patent Number: | 9389096 |
| Patent Number: | 9482549 |
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| Patent Number: | 8362894 |
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| Patent Number: | 9046924 |
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| Patent Number: | 8958988 |
| Patent Number: | 9127959 |
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| Patent Number: | 9401088 |

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| Patent Number: | 9640073 |
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| Patent Number: | 7599793 |
| Patent Number: | 6772064 |
| Patent Number: | 7188027 |
| Patent Number: | 7292939 |
| Patent Number: | 7647172 |
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| Patent Number: | 9163951 |
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| Patent Number: | 7970533 |
| Patent Number: | 8224571 |
| Patent Number: | 7974779 |
| Patent Number: | 8086400 |
| Patent Number: | 8095305 |
| Patent Number: | 8825000 |
| Patent Number: | 9762601 |
| Patent Number: | 9723469 |
| Patent Number: | 9883371 |
| Patent Number: | 7739231 |
| Patent Number: | 8060462 |
| Patent Number: | 8478716 |
| Patent Number: | 8458119 |
| Patent Number: | 8458120 |
| Patent Number: | 8515900 |
| Patent Number: | 8589330 |
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| Patent Number: | 8615484 |
| Patent Number: | 9047245 |
| Patent Number: | 9026488 |

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| Patent Number:      | 9924306  |
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| Application Number: | 15378586 |
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| Application Number: | 12961493 |
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| Application Number: | 14714077 |
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| Application Number: | 15271983 |
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| Application Number: | 15643132 |
| Application Number: | 13830224 |
| Application Number: | 14219862 |
| Application Number: | 14857626 |
| Application Number: | 15130018 |
| Application Number: | 15166212 |
| Application Number: | 15208963 |
| Application Number: | 15488694 |

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| Application Number: | 15689971 |
| Application Number: | 15182217 |
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| Application Number: | 14839745 |
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| Application Number: | 14678656 |
| Application Number: | 14683961 |
| Application Number: | 14883436 |
| Application Number: | 15640155 |
| Application Number: | 13672658 |
| Application Number: | 14820423 |
| Application Number: | 14818053 |
| Application Number: | 14822902 |
| Application Number: | 15250612 |
| Application Number: | 15228732 |
| Application Number: | 15645874 |
| Application Number: | 15689866 |
| Application Number: | 12384337 |
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| Application Number: | 15229262 |
| Application Number: | 15487356 |
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| Application Number: | 15596944 |
| Application Number: | 15647064 |
| Application Number: | 15676396 |
| Application Number: | 15704913 |
| Application Number: | 15659536 |
| Application Number: | 14566190 |
| Application Number: | 14566148 |
| Application Number: | 14566229 |
| Application Number: | 14301218 |
| Application Number: | 14793593 |
| Application Number: | 15139304 |
| Application Number: | 15175012 |
| Application Number: | 15615754 |
| Application Number: | 14932552 |
| Application Number: | 14975733 |

| Property Type       | Number   |
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| Application Number: | 15003831 |
| Application Number: | 14981891 |
| Application Number: | 15389722 |
| Application Number: | 15018030 |
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| Application Number: | 15252571 |
| Application Number: | 15809948 |
| Application Number: | 15706036 |
| Application Number: | 14847656 |
| Application Number: | 14856078 |
| Application Number: | 15011650 |
| Application Number: | 15728078 |
| Application Number: | 15730506 |
| Application Number: | 13828481 |
| Application Number: | 15050931 |
| Application Number: | 15098295 |
| Application Number: | 15251845 |
| Application Number: | 13672661 |
| Application Number: | 13837592 |
| Application Number: | 13672651 |
| Application Number: | 14311782 |
| Application Number: | 14333352 |
| Application Number: | 14547289 |
| Application Number: | 14746766 |
| Application Number: | 14924705 |
| Application Number: | 14796309 |
| Application Number: | 14820382 |
| Application Number: | 15457948 |
| Application Number: | 15462656 |
| Application Number: | 15371597 |
| Application Number: | 15421035 |
| Application Number: | 15382708 |
| Application Number: | 15465003 |
| Application Number: | 15253394 |
| Application Number: | 14058195 |
| Application Number: | 15270916 |
| Application Number: | 14819288 |

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 15221368 |
| Application Number: | 15221933 |
| Application Number: | 13763062 |
| Application Number: | 15382453 |
| Application Number: | 14520095 |
| Application Number: | 15599312 |
| Application Number: | 14814338 |
| Application Number: | 15612737 |

#### **CORRESPONDENCE DATA**

**Fax Number:** (312)578-6666

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 3122633600

Email: maureen.drews@hklaw.com
Correspondent Name: JOSHUA M. SPENCER
Address Line 1: HOLLAND & KNIGHT LLP

Address Line 2: 131 S. DEARBORN ST., 30TH FLOOR

Address Line 4: CHICAGO, ILLINOIS 60603

| NAME OF SUBMITTER: | JOSHUA M. SPENCER  |
|--------------------|--|
| SIGNATURE:         | /Joshua M. Spencer/  |
| DATE SIGNED:       | 04/06/2018   |
|                    | This document serves as an Oath/Declaration (37 CFR 1.63). |

#### **Total Attachments: 24**

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| source=Uber - Patent Security Agreement (2018) (Executed)_56288030_1#page23.tif |  |
| source=Uber - Patent Security Agreement (2018) (Executed)_56288030_1#page24.tif |  |

#### **Patent Security Agreement**

**Patent Security Agreement**, dated as of April 4, 2018, by UBER TECHNOLOGIES, INC., a Delaware corporation (the "<u>Pledgor</u>"), in favor of CORTLAND CAPITAL MARKET SERVICES LLC, in its capacity as administrative agent for the benefit of the Secured Parties pursuant to the Credit Agreement (in such capacity, the "<u>Administrative Agent</u>").

#### WITNESSETH:

WHEREAS, the Pledgor is party to a Security Agreement dated as of April 4, 2018 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "Security Agreement") (such Security Agreement having been entered into in connection with the Term Loan Agreement dated as of April 4, 2018 among the Pledgor, as the Borrower, the Administrative Agent and the other parties thereto (as amended, amended and restated, supplemented or otherwise modified from time to time)) in favor of the Administrative Agent pursuant to which the Pledgor is required to execute and deliver this Patent Security Agreement;

Now, Therefore, in consideration of the premises and to induce the Administrative Agent, for the benefit of the Secured Parties, to enter into the Credit Agreement, the Pledgor hereby agrees with the Administrative Agent as follows:

SECTION 1. <u>Defined Terms</u>. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. <u>Grant of Security Interest in Patent Collateral</u>. The Pledgor hereby pledges and grants to the Administrative Agent for the benefit of the Secured Parties a lien on and security interest in and to all of its right, title and interest in, to and under all the following Pledged Collateral of the Pledgor:

- (a) Patents of the Pledgor listed on Schedule I attached hereto; and
- (b) all Proceeds of any and all of the foregoing (other than Excluded Collateral).

SECTION 3. Security Agreement. The security interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interest granted to the Administrative Agent pursuant to the Security Agreement and the Pledgor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent with respect to the security interest in the Patents made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Patent Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control unless the Administrative Agent shall otherwise determine.

SECTION 4. <u>Termination</u>. Upon the payment in full of the Obligations (other than contingent indemnification obligations not yet accrued and payable) and termination of the Security Agreement or as otherwise provided in <u>Section 11.4</u> of the Security Agreement, the Administrative Agent shall execute, acknowledge, and deliver to the Pledgor an instrument in writing in recordable form releasing the collateral pledge, grant, assignment, lien and security interest in the Patents under this Patent Security Agreement.

SECTION 5. <u>Counterparts</u>. This Patent Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Patent Security Agreement by signing and delivering one or more counterparts.

SECTION 6. <u>Governing Law</u>. This Patent Security Agreement shall be governed by, and shall be construed and enforced in accordance with, the law of the State of New York.

[signature page follows]

IN WITNESS WHEREOF, the Pledgor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours,

UBER TECHNOLOGIES, INC., as Pledgor

By:

Name: Prabir Adarkar

Title: Vice President of Finance

Accepted and Agreed:

CORTLAND CAPITAL MARKET SERVICES LLC,

as Administrative Agent

By:

Name: Emily Ergang Papi

Title: Associate Counsel

#### **SCHEDULE I**

#### to

# PATENT SECURITY AGREEMENT PATENT REGISTRATIONS AND PUBLISHED PATENT APPLICATIONS

### **UNITED STATES PATENTS:**

| App. No.   | Reg. No./Pub.<br>No./Patent No. | Filing Date | Title/Description  |
|------------|---------------------------------|-------------|--|
| 12/145,515 | 8,284,190                       | 6/25/2008   | REGISTRATION OF STREET-LEVEL IMAGERY TO 3D BUILDING MODELS   |
| 13/917,821 | 9,110,163                       | 6/14/2013   | LIDAR-BASED CLASSIFICATION OF OBJECT MOVEMENT  |
| 14/298,932 | 9,235,775                       | 6/8/2014    | ENTRANCE DETECTION FROM STREET-LEVEL IMAGERY   |
| 14/798,944 | 9,870,512                       | 7/14/2015   | LIDAR-BASED CLASSIFICATION OF OBJECT MOVEMENT  |
| 15/373,354 | 9,798,931                       | 12/8/2016   | Entrance Detection from Street-Level Imagery   |
| 15/790,571 | 2018-0060664                    | 10/23/2017  | Entrance Detection from Street-Level Imagery   |
| 14/671,480 | 9,888,087                       | 3/27/2015   | ADJUSTING ATTRIBUTES FOR AN ON-DEMAND SERVICE SYSTEM BASED ON REAL-TIME INFORMATION                    |
| 14/737,700 | 2015-0365293                    | 6/12/2015   | ENFORCING POLICIES BASED ON INFORMATION RECEIVED FROM EXTERNAL SYSTEMS                                 |
| 14/832,782 | 9,911,170                       | 8/21/2015   | ARRANGING A TRANSPORT SERVICE FOR A USER BASED ON THE ESTIMATED TIME OF ARRIVAL OF THE USER            |
| 14/991,152 | 2016-0203576                    | 1/8/2016    | PROVIDING INFORMATION ABOUT A PROPOSED SERVICE FOR A USER BASED ON USER-SPECIFIC LOCATION INFORMATION  |
| 14/612,913 | 9,575,837                       | 2/3/2015    | SYSTEM AND METHOD FOR INTRODUCING<br>FUNCTIONALITY TO AN APPLICATION FOR USE WITH A<br>NETWORK SERVICE |
| 14/683,828 | 2016-0253617                    | 4/10/2015   | PERFORMING SELECTIVE OPERATIONS BASED ON MOBILE DEVICE LOCATIONS                                       |
| 14/709,799 | 2016-0335576                    | 5/12/2015   | LOCATION-BASED PREDICTION OF TRANSPORT SERVICES  |

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| 14/738,698 | 9,551,586    | 6/12/2015  | SYSTEM AND METHOD FOR PROVIDING CONTEXTUAL INFORMATION FOR A LOCATION  |
|------------|--------------|------------|--|
| 15/378,586 | 2017-0089715 | 12/14/2016 | SYSTEM AND METHOD FOR PROVIDING CONTEXTUAL INFORMATION FOR A LOCATION  |
| 14/881,502 | 2017-0104629 | 10/13/2015 | APPLICATION SERVICE CONFIGURATION SYSTEM   |
| 15/397,535 | 2017-0116065 | 1/3/2017   | SYSTEM AND METHOD FOR INTRODUCING<br>FUNCTIONALITY TO AN APPLICATION FOR USE WITH A<br>NETWORK SERVICE                                   |
| 15/374,765 | 2017-0262770 | 12/9/2016  | CASCADED BOOSTED PREDICTIVE MODELS   |
| 15/163,496 | 2017-0345078 | 5/24/2016  | QUANTIFICATION OF USER RECEPTIVENESS VIA MACHINE LEARNING  |
| 10/602,150 | 6,925,381    | 6/24/2003  | METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR RIDE MATCHING BASED ON CURRENT LOCATION INFORMATION                                   |
| 11/157,355 | 7,082,364    | 6/21/2005  | METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR RIDE MATCHING BASED ON CURRENT LOCATION INFORMATION                                   |
| 11/372,747 | 7,191,057    | 3/10/2006  | METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR RIDE MATCHING BASED ON CURRENT LOCATION INFORMATION                                   |
| 11/505,534 | 7,627,422    | 8/17/2006  | METHODS, SYSTEMS AND COMPUTER PROGRAM<br>PRODUCTS FOR RIDE MATCHING BASED ON SELECTION<br>CRITERIA AND DRIVER CHARACTERISTIC INFORMATION |
| 12/582,233 | 7,941,267    | 10/20/2009 | METHODS, SYSTEMS AND COMPUTER PROGRAM<br>PRODUCTS FOR RIDE MATCHING BASED ON SELECTION<br>CRITERIA AND DRIVER CHARACTERISTIC INFORMATION |
| 12/928,254 | 2011-0301985 | 12/6/2010  | System and method for operating a service to arrange transport amongst parties through use of mobile devices                             |
| 12/928,253 | 2011-0307282 | 12/6/2010  | SYSTEM AND METHOD FOR OPERATING A SERVICE TO ARRANGE TRANSPORT BETWEEN A CUSTOMER AND A TRANSPORT PARTY                                  |
| 12/961,493 | 2011-0313804 | 12/6/2010  | SYSTEM AND METHOD FOR ARRANGING TRANSPORT<br>AMONGST PARTIES THROUGH USE OF MOBILE DEVICES   |
| 13/596,497 | 2012-0323642 | 8/28/2012  | SYSTEM AND METHOD FOR OPERATING A SERVICE TO ARRANGE TRANSPORT AMONGST PARTIES THROUGH USE   |

|            |              |            | OF MOBILE DEVICES   |
|------------|--------------|------------|---|
| 14/294,041 | 2015-0348221 | 6/2/2014   | MAINTAINING DATA FOR USE WITH A TRANSPORT<br>SERVICE DURING CONNECTIVITY LOSS BETWEEN<br>SYSTEMS                              |
| 14/714,077 | 2016-0337294 | 5/15/2015  | METHODS TO MITIGATE COMMUNICATION DELAYS<br>BETWEEN SYSTEMS IN CONNECTION WITH A TRANSPORT<br>SERVICE                         |
| 15/255,645 | 2017-0078380 | 9/2/2016   | DATA RESTORATION FOR DATACENTER FAILOVER  |
| 14/995,121 | 2017-0201914 | 1/13/2016  | Non-Interrupted Handoff of Real-time Network-Distributed Services   |
| 09/794,841 | 6,795,869    | 2/27/2001  | Video Signal Processing Method and Apparatus for Internet<br>Appliances or Embedded Systems                                   |
| 15/271,983 | 2017-0262659 | 9/21/2016  | Multi-Level Encryption of Tokenized Protected Data  |
| 10/278,126 | 7,035,869    | 10/22/2002 | System And Method Of Optimizing Database Queries In Two Or<br>More Dimensions   |
| 10/905,297 | 9,015,134    | 12/25/2004 | Apparatus and Method for Search and Retrieval of Documents  |
| 11/160,318 | 2006-0031221 | 6/18/2005  | APPARATUS AND METHOD FOR RETRIEVAL OF DOCUMENTS   |
| 11/385,625 | 7,725,425    | 3/20/2006  | System And Method Of Optimizing Database Queries In Two Or<br>More Dimensions   |
| 11/467,549 | 9,229,973    | 8/26/2006  | Apparatus and Method for Search and Retrieval of Documents  |
| 12/371,636 | 9,152,710    | 2/16/2009  | Apparatus and Method for Search and Retrieval of Documents  |
| 12/613,604 | 9,026,509    | 11/6/2009  | Apparatus and Method for Search and Retrieval of Documents  |
| 13/690,856 | 9,165,074    | 11/30/2012 | SYSTEMS AND METHODS FOR PERFORMING GEO-SEARCH<br>AND RETRIEVAL OF ELECTRONIC POINT-OF-INTEREST<br>RECORDS USING A BIG INDEX   |
| 13/468,979 | 9,646,108    | 5/10/2012  | SYSTEMS AND METHODS FOR PERFORMING GEO- SEARCH<br>AND RETRIEVAL OF ELECTRONIC DOCUMENTS USING A<br>BIG INDEX                  |
| 14/136,179 | 2014-0108375 | 12/20/2013 | Generating and Providing Spelling Correction Suggestions to Search<br>Queries Using a Confusion Set based on Residual Strings |

| 14/552,017 | 9,081,813    | 11/24/2014 | Apparatus and Method for Search and Retrieval of Documents                                    |
|------------|--------------|------------|---|
| 14/033,328 | 9,727,595    | 9/20/2013  | LOCATION SEARCHING WITH CATEGORY INDICES  |
| 14/744,723 | 9,262,538    | 6/19/2015  | Apparatus and Method for Search and Retrieval of Documents                                    |
| 14/831,017 | 2015-0356106 | 8/20/2015  | SEARCH AND RETRIEVAL OF ELECTRONIC DOCUMENTS USING KEY-VALUE BASED PARTITION-BY-QUERY INDICES |
| 14/871,397 | 9,396,276    | 9/30/2015  | KEY-VALUE DATABASE FOR GEO-SEARCH AND<br>RETRIEVAL OF POINT OF INTEREST RECORDS               |
| 15/643,132 | 2017-0308560 | 7/6/2017   | Location Searching with Category Indices  |
| 10/012,367 | 7,010,308    | 12/12/2001 | Managing And Querying Moving Point Data   |
| 08/807,471 | 5,963,956    | 2/27/1997  | System And Method Of Optimizing Database Queries In Two Or<br>More Dimensions                 |
| 09/231,515 | 6,470,287    | 1/14/1999  | System And Method Of Optimizing Database Queries In Two Or<br>More Dimensions                 |
| 29/503,296 | D776689      | 9/24/2014  | Display screen with graphical user interface  |
| 29/509,772 | D760282      | 11/20/2014 | COMPUTING DEVICE DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE                                 |
| 29/533,515 | D794038      | 7/17/2015  | DISPLAY SCREEN OF A COMPUTING DEVICE WITH TRANSPORT PROVIDER GRAPHICAL USER INTERFACE         |
| 29/553,267 | D806745      | 1/29/2016  | Display Panel With a Computer-Generated Icon  |
| 29/553,270 | D812094      | 1/29/2016  | Display Panel With an Animated Graphical User Interface                                       |
| 29/498,383 | D775988      | 8/3/2014   | ILLUMINATABLE SIGNAGE DEVICE  |
| 29/509,004 | D774408      | 11/13/2014 | ILLUMINATABLE DEVICE  |
| 13/830,224 | 2014-0279011 | 3/14/2013  | GENERATING PROMOTIONS FOR A SERVICE USING A MAP INTERFACE                                     |
| 29/436,678 | D738900      | 11/8/2012  | Computing Device Display Screen with Graphical User Interface                                 |
| 29/436,683 | D734348      | 11/8/2012  | COMPUTING DEVICE WITH COMPUTER-GENERATED INFORMATION PANEL INTERFACE                          |
| <u> </u>   |              | 1          |   |

| D763293   | 6/16/2015   | COMPUTING DEVICE WITH COMPUTER-GENERATED INFORMATION PANEL INTERFACE  |
|-----------|---|---|
| D724619   | 11/8/2012   | COMPUTING DEVICE DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE   |
| D774082   | 3/16/2015   | COMPUTING DEVICE DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE   |
| D732048   | 11/8/2012   | COMPUTING DEVICE DISPLAY SCREEN WITH ELECTRONIC SUMMARY OR RECEIPT GRAPHICAL USER INTERFACE   |
| D784361   | 4/21/2015   | DISPLAY SCREEN OF A COMPUTING DEVICE WITH<br>GRAPHICAL USER INTERFACE OF A COMPUTER-<br>GENERATED ELECTRONIC SUMMARY OR RECEIPT   |
| D759031   | 11/8/2012   | DISPLAY SCREEN WITH A COMPUTER-GENERATED ELECTRONIC PANEL FOR PROVIDING RATING FEEDBACK FOR A COMPUTING DEVICE  |
| D750109   | 11/8/2012   | DISPLAY SCREEN OF A COMPUTING DEVICE WITH A COMPUTER-GENERATED ELECTRONIC PANEL FOR PROVIDING INFORMATION OF A SERVICE  |
| D743977   | 11/8/2012   | DISPLAY SCREEN OF A COMPUTING DEVICE WITH A COMPUTER-GENERATED ELECTRONIC PANEL FOR PROVIDING CONFIRMATION FOR A SERVICE REQUEST  |
| D774520   | 10/21/2015  | DISPLAY SCREEN OF A COMPUTING DEVICE WITH A COMPUTER-GENERATED ELECTRONIC PANEL FOR PROVIDING CONFIRMATION OF A SERVICE REQUEST   |
| D775635   | 2/27/2015   | DISPLAY SCREEN FOR A COMPUTING DEVICE WITH GRAPHICAL USER INTERFACE   |
| D795267   | 8/25/2015   | DISPLAY SCREEN COMPUTING DEVICE with GRAPHICAL USER INTERFACE   |
| D795885   | 3/9/2015  | DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE  |
| D806746   | 1/29/2016   | Display Panel With an Animated Graphical User Interface   |
| D807898   | 9/26/2016   | DISPLAY SCREEN WITH ANIMATED GRAPHICAL USER INTERFACE   |
| 9,066,206 | 3/15/2013   | SYSTEM AND METHOD FOR PROVIDING DYNAMIC SUPPLY POSITIONING FOR ON-DEMAND SERVICES   |
|           | D724619 D774082 D774082 D732048 D784361 D759031 D750109 D743977 D774520 D775635 D795267 D795885 D806746 D807898 | D724619       11/8/2012         D774082       3/16/2015         D732048       11/8/2012         D784361       4/21/2015         D759031       11/8/2012         D750109       11/8/2012         D743977       11/8/2012         D774520       10/21/2015         D775635       2/27/2015         D795267       8/25/2015         D795885       3/9/2015         D806746       1/29/2016         D807898       9/26/2016 |

| 14/219,862 | 2015-0271290 | 3/19/2014 | PROVIDING NOTIFICATIONS TO DEVICES BASED ON REAL-<br>TIME CONDITIONS RELATED TO AN ON-DEMAND SERVICE  |
|------------|--------------|-----------|---|
| 14/857,626 | 2016-0078394 | 9/17/2015 | MANAGING SERVICE PROVIDER ACCOUNTS BASED ON COMPLETION OF TASKS   |
| 15/017,278 | 9,852,551    | 2/5/2016  | PROGRAMMATICALLY DETERMINING LOCATION INFORMATION IN CONNECTION WITH A TRANSPORT SERVICE  |
| 14/661,065 | 9,610,893    | 3/18/2015 | METHODS AND SYSTEMS FOR PROVIDING ALERTS TO A DRIVER OF A VEHICLE VIA   |
| 15/130,018 | 2016-0307289 | 4/15/2016 | PROGRAMMATICALLY PROVIDING INFORMATION IN CONNECTION WITH LOCATION-BASED SERVICES TO SERVICE PROVIDERS  |
| 15/166,212 | 2016-0350882 | 5/26/2016 | COMMUNICATING INFORMATION TO DEVICES BASED ON A CHARACTERISTIC OF A SERVICE PROVIDER  |
| 15/208,963 | 2017-0024393 | 7/13/2016 | USER-BASED CONTENT FILTERING AND RANKING TO FACILITATE ON-DEMAND SERVICES   |
| 15/396,728 | 9,824,582    | 1/2/2017  | METHODS AND SYSTEMS FOR PROVIDING ALERTS TO A DRIVER OF A VEHICLE VIA CONDITION DETECTION AND WIRELESS COMMUNICATIONS                         |
| 15/488,694 | 2017-0240110 | 4/17/2017 | METHODS AND SYSTEMS FOR PROVIDING ALERTS TO A CONNECTED VEHICLE DRIVER AND/OR A PASSENGER VIA CONDITION DETECTION AND WIRELESS COMMUNICATIONS |
| 15/689,971 | 2017-0358146 | 8/29/2017 | PROGRAMMATICALLY DETERMINING LOCATION INFORMATION IN CONNECTION WITH A TRANSPORT SERVICE  |
| 15/182,217 | 2017-0358147 | 6/14/2016 | TRIP TERMINATION DETERMINATION FOR ON-DEMAND TRANSPORT  |
| 15/688,237 | 2017-0358207 | 8/28/2017 | METHODS AND SYSTEMS FOR PROVIDING ALERTS TO A DRIVER OF A VEHICLE VIA CONDITION DETECTION AND WIRELESS COMMUNICATIONS                         |
| 14/705,325 | 9,843,897    | 5/6/2015  | SYSTEM AND METHOD FOR PROVIDING DYNAMIC SUPPLY POSITIONING FOR ON-DEMAND SERVICES   |
| 15/432,766 | 9,898,791    | 2/14/2017 | NETWORK SYSTEM TO FILTER REQUESTS BY DESTINATION AND DEADLINE   |
|            |              | 1         |   |

| 14/604,573 | 9,536,271    | 1/23/2015  | USER-CONFIGURABLE INDICATION DEVICE FOR USE WITH AN ON-DEMAND TRANSPORT SERVICE  |
|------------|--------------|------------|--|
| 15/160,773 | 2016-0344128 | 5/20/2016  | DEVICE CONNECTOR ASSEMBLY  |
| 14/839,745 | 2017-0059134 | 8/28/2015  | ILLUMINATION APPARATUS   |
| 15/342,072 | 9,718,397    | 11/2/2016  | USER-CONFIGURABLE INDICATION DEVICE FOR USE WITH AN ON-DEMAND TRANSPORT SERVICE  |
| 12/192,913 | 8,150,679    | 8/15/2008  | Apparatus, and Associated Method, For Detecting Fraudulent Text<br>Message       |
| 14/826,066 | 2016-0048831 | 8/13/2015  | VERIFYING USER ACCOUNTS BASED ON INFORMATION RECEIVED IN A PREDETERMINED MANNER  |
| 14/678,656 | 2016-0292679 | 4/3/2015   | TRANSPORT MONITORING   |
| 14/683,961 | 2016-0300242 | 4/10/2015  | DRIVER VERIFICATION SYSTEM FOR TRANSPORT SERVICES                                |
| 14/883,436 | 2017-0111364 | 10/14/2015 | DETERMINING FRAUDULENT USER ACCOUNTS USING CONTACT INFORMATION                   |
| 15/640,155 | 2017-0309552 | 6/30/2017  | SYSTEM AND METHOD FOR VERIFYING USERS FOR A NETWORK SERVICE USING EXISTING USERS |
| 12/676,503 | 8,713,663    | 8/15/2008  | METHOD FOR USING EXTENDED SECURITY SYSTEM, EXTENDED SECURITY SYSTEM AND DEVICES  |
| 12/561,391 | 8,549,044    | 9/17/2009  | Range-centric contextual information systems and methods                         |
| 09/391,427 | 7,966,215    | 9/8/1999   | Combination Reservation And Navigation System And Method                         |
| 13/118,505 | 8,533,215    | 5/30/2011  | GEO-TARGETED DATA COLLECTION OR OTHER ACTION                                     |
| 13/530,366 | 9,031,281    | 6/22/2012  | IDENTIFYING AN AREA OF INTEREST IN IMAGERY                                       |
| 11/018,566 | 7,813,873    | 12/20/2004 | Geocoding Locations Near A Specified City  |
| 11/608,791 | 8,219,578    | 12/8/2006  | High Precision Internet Local Search   |
| 12/881,366 | 9,453,739    | 9/14/2010  | Geocoding Locations Near A Specified City  |
| 12/936,128 | 9,304,008    | 4/1/2009   | POINT OF INTEREST SEARCH ALONG A ROUTE   |

| 12/799,471 | 8,510,045    | 4/26/2010  | Digital Maps Displaying Search-Resulting Points-of-Interest in User Delimited Regions             |
|------------|--------------|------------|---|
| 13/246,201 | 8,401,786    | 9/27/2011  | Point Of Interest Search Along A Route With Return  |
| 13/532,437 | 9,135,353    | 6/25/2012  | High Precision Internet Local Search  |
| 13/672,658 | 2013-0132140 | 11/8/2012  | DETERMINING A LOCATION RELATED TO ON-DEMAND SERVICES THROUGH USE OF PORTABLE COMPUTING DEVICES    |
| 13/748,065 | 9,151,614    | 1/23/2013  | Point of Interest Search Along a Route with Return  |
| 14/820,423 | 2015-0339397 | 8/6/2015   | Mobile search based on predicted location   |
| 14/846,577 | 9,488,486    | 9/4/2015   | POINT OF INTEREST SEARCH ALONG A ROUTE WITH RETURN  |
| 14/818,053 | 2016-0034828 | 8/4/2015   | DETERMINING AND PROVIDING PREDETERMINED LOCATION DATA POINTS TO SERVICE PROVIDERS                 |
| 14/822,902 | 2016-0154807 | 8/11/2015  | High Precision Internet Local Search  |
| 15/082,849 | 9,778,059    | 3/28/2016  | POINT OF INTEREST SEARCH ALONG A ROUTE  |
| 15/250,612 | 2016-0364411 | 8/29/2016  | Geocoding Locations Near A Specified City   |
| 15/286,562 | 9,791,284    | 10/6/2016  | POINT OF INTEREST SEARCH ALONG A ROUTE WITH RETURN  |
| 15/228,732 | 2017-0169535 | 8/4/2016   | SUGGESTED PICKUP LOCATION FOR RIDE SERVICES   |
| 15/645,874 | 2017-0316359 | 7/10/2017  | Determining a Location Related to On-Demand Services Through<br>Use of Portable Computing Devices |
| 15/689,866 | 2018-0010920 | 8/29/2017  | POINT OF INTEREST SEARCH ALONG A ROUTE  |
| 15/436,688 | 9,805,130    | 2/17/2017  | GEOGRAPHICAL LOCATION SEARCH USING MULTIPLE DATA SOURCES  |
| 12/970,974 | 9,134,137    | 12/17/2010 | Mobile search based on predicted location   |
| 11/185,836 | 7,054,743    | 7/21/2005  | Using a corridor search to identify locations of interest along a travel route                    |
| 11/682,151 | 7,324,896    | 3/5/2007   | Using a corridor search to identify locations of interest along a travel                          |

|            |              |            | route   |
|------------|--------------|------------|---|
| 11/932,618 | 7,599,792    | 10/31/2007 | Using a corridor search to identify locations of interest along a travel route              |
| 11/420,682 | 7,194,357    | 5/26/2006  | Using a corridor search to identify locations of interest along a travel route              |
| 11/624,038 | 7,751,971    | 1/17/2007  | Location mapping for key-point based services   |
| 10/354,200 | 6,993,538    | 1/28/2003  | System and process for identifying objects and/or points nearby a given object or point     |
| 11/256,455 | 7,680,861    | 10/21/2005 | System and process for identifying objects and/or points nearby a given object or point     |
| 11/256,376 | 7,305,417    | 10/21/2005 | System and process for identifying objects and/or points nearby a given object or point     |
| 11/187,638 | 8,311,737    | 7/22/2005  | Automated Prioritization Of Map Objects   |
| 11/460,226 | 7,859,536    | 7/26/2006  | Generalization Of Features In A Digital Map   |
| 11/706,065 | 9,412,199    | 2/13/2007  | Draggable maps  |
| 11/865,720 | 8,990,288    | 10/1/2007  | Dynamically Configured Rendering Of Digital Maps  |
| 12/187,341 | 8,243,060    | 8/6/2008   | Generalization Of Features In A Digital Map Using Round Number<br>Coordinates               |
| 11/940,219 | 8,193,978    | 11/14/2007 | Positioning System and Method Using GPS with Wireless Access<br>Points                      |
| 12/384,337 | 2009-0244100 | 4/1/2009   | Gradually Changing Perspective Map  |
| 13/672,643 | 9,671,233    | 11/8/2012  | DYNAMICALLY PROVIDING POSITION INFORMATION OF A TRANSIT OBJECT TO A COMPUTING DEVICE        |
| 13/804,543 | 9,305,371    | 3/14/2013  | TRANSLATED VIEW NAVIGATION FOR VISUALIZATIONS   |
| 14/506,473 | 9,389,096    | 10/3/2014  | DETERMINING LOCATION INFORMATION USING A LOCATION DATA POINT PROVIDED BY A COMPUTING DEVICE |
| 14/656,448 | 9,482,549    | 3/12/2015  | DETERMINING LOCATION INFORMATION USING A LOCATION DATA POINT PROVIDED BY A COMPUTING DEVICE |

| 14/698,722 | 9,513,375    | 4/28/2015  | Positioning System and Method Using GPS with Wireless Access Points                              |
|------------|--------------|------------|--|
| 14/514,227 | 9,638,538    | 10/14/2014 | STREET-LEVEL GUIDANCE VIA ROUTE PATH   |
| 14/548,179 | 9,767,690    | 11/19/2014 | PARKING IDENTIFICATION AND AVAILABILITY PREDICTION   |
| 14/605,912 | 2016-0217611 | 1/26/2015  | MAP-LIKE SUMMARY VISUALIZATION OF STREET-LEVEL DISTANCE DATA AND PANORAMA DATA                   |
| 15/229,262 | 2016-0343153 | 8/5/2016   | Draggable Maps   |
| 15/295,719 | 9,778,063    | 10/17/2016 | DETERMINING LOCATION INFORMATION USING A LOCATION DATA POINT PROVIDED BY A COMPUTING DEVICE      |
| 15/487,356 | 2017-0219372 | 4/13/2017  | Street-Level Guidance Via Route Path   |
| 15/009,552 | 2017-0219360 | 1/28/2016  | SIMPLIFYING GPS DATA FOR MAP BUILDING AND DISTANCE CALCULATION                                   |
| 15/596,944 | 2017-0248430 | 5/16/2017  | Dynamically Providing Position Information of a Transit Object to a Computing Device             |
| 15/647,064 | 2017-0309083 | 7/11/2017  | Determining an Amount for a Toll Based on Location Data Points<br>Provided by a Computing Device |
| 15/676,396 | 2017-0345303 | 8/14/2017  | PARKING IDENTIFICATION AND AVAILABILITY PREDICTION   |
| 15/704,913 | 2018-0023969 | 9/14/2017  | Point of Interest Search Along a Route with Return   |
| 15/659,536 | 2018-0074209 | 7/25/2017  | Localization and Tracking Using Location, Signal Strength, and Pseudorange Data                  |
| 15/396,297 | 9,766,349    | 12/30/2016 | Localization and Tracking Using Location, Signal Strength, and Pseudorange Data                  |
| 15/396,222 | 9,924,320    | 12/30/2016 | LOCATING A USER DEVICE   |
| 14/566,190 | 2015-0161554 | 12/10/2014 | INTELLIGENT DISPATCH SYSTEM FOR SELECTING SERVICE PROVIDERS                                      |
| 14/566,148 | 2015-0161564 | 12/10/2014 | SYSTEM AND METHOD FOR OPTIMIZING SELECTION OF DRIVERS FOR TRANSPORT REQUESTS                     |

| 14/566,229 | 2015-0161752 | 12/10/2014 | INTELLIGENT QUEUING FOR USER SELECTION IN PROVIDING ON-DEMAND SERVICES                          |
|------------|--------------|------------|---|
| 14/301,218 | 2015-0356703 | 6/10/2014  | ARRANGING A TRANSPORT SERVICE BASED ON<br>COMPUTED VECTORS ASSOCIATED WITH SERVICE<br>PROVIDERS |
| 14/793,593 | 2017-0011324 | 7/7/2015   | DISPATCH SYSTEM FOR MATCHING DRIVERS AND USERS  |
| 15/139,304 | 2017-0308819 | 4/26/2016  | FLEXIBLE DEPARTURE TIME FOR TRIP REQUESTS   |
| 15/175,012 | 2017-0351987 | 6/6/2016   | MATCHING FLEXIBLE USERS IN A TRAVEL COORDINATION SYSTEM   |
| 15/615,754 | 2017-0352125 | 6/6/2017   | HIERARCHICAL SELECTION PROCESS  |
| 10/276,718 | 6,950,745    | 5/2/2003   | Navigation System   |
| 11/185,743 | 7,742,873    | 7/21/2005  | Navigation System   |
| 11/785,294 | 8,930,135    | 4/17/2007  | DEVICE, SYSTEM AND METHOD OF LANDMARK-BASED ROUTING AND GUIDANCE                                |
| 11/785,284 | 9,222,797    | 4/17/2007  | DEVICE, SYSTEM AND METHOD OF CONTACT-BASED ROUTING AND GUIDANCE                                 |
| 12/416,920 | 8,260,549    | 4/1/2009   | Transmission Of Routes Between Client And Server Using Route IDs                                |
| 12/416,812 | 8,489,324    | 4/1/2009   | Retrieval Of Vehicular Traffic Information Optimized For Wireless<br>Mobile Environments        |
| 12/713,508 | 9,082,077    | 2/26/2010  | Mobile Private Assisted Location Tracking   |
| 12/731,242 | 8,620,532    | 3/25/2010  | Passive Crowd-Sourced Map Updates and Alternate Route<br>Recommendations                        |
| 13/602,295 | 8,706,391    | 9/3/2012   | Transmission Of Routes Between Client And Server Using Route IDs                                |
| 13/689,427 | 8,694,254    | 11/29/2012 | SYSTEM AND METHOD FOR IMPROVED ROUTING THAT COMBINES REAL-TIME AND LIKELIHOOD INFORMATION       |
| 14/054,320 | 9,243,920    | 10/15/2013 | SYSTEM AND METHOD FOR ADAPTING THE ROUTING INFORMATION PROVIDED BY A MAPPING OR ROUTING DEVICE  |

| 14/182,345 | 9,188,452    | 2/18/2014  | SYSTEM AND METHOD FOR IMPROVED ROUTING THAT COMBINES REAL-TIME AND LIKELIHOOD INFORMATION                                  |
|------------|--------------|------------|--|
| 14/563,978 | 9,562,781    | 12/8/2014  | DEVICE, SYSTEM AND METHOD OF LANDMARK-BASED<br>AND PERSONAL CONTACT-BASED ROUTE GUIDANCE                                   |
| 14/851,341 | 9,410,814    | 9/11/2015  | Passive Crowd-Sourced Map Updates and Alternate Route<br>Recommendations   |
| 14/932,552 | 2016-0054145 | 11/4/2015  | SYSTEM FOR VEHICLE ROUTING THAT COMBINES REAL-<br>TIME AND LIKELIHOOD INFORMATION FOR TRAFFIC,<br>CONSTRUCTION AND WEATHER |
| 14/975,733 | 2016-0102991 | 12/19/2015 | NAVIGATION APPARATUS AND MAPPING SYSTEM USING PERSONAL CONTACTS  |
| 15/003,831 | 2016-0138927 | 1/22/2016  | ROUTING DEVICE THAT MODIFIES ROUTE GUIDANCE BASED ON USER INPUT  |
| 14/981,891 | 2016-0146620 | 12/28/2015 | PROACTIVE DELIVERY OF NAVIGATION OPTIONS   |
| 14/717,979 | 9,816,830    | 5/20/2015  | NAVIGATION LANE GUIDANCE   |
| 15/389,722 | 2017-0211943 | 12/23/2016 | DEVICE, SYSTEM AND METHOD OF LANDMARK-BASED<br>AND PERSONAL CONTACT-BASED ROUTE GUIDANCE                                   |
| 15/018,030 | 2017-0227370 | 2/8/2016   | REDUCING WAIT TIME OF PROVIDERS OF RIDE SERVICES USING ZONE SCORING  |
| 15/018,042 | 9,778,057    | 2/8/2016   | SELECTING A ROUTE TO A DESTINATION BASED ON ZONES  |
| 15/174,630 | 2017-0350719 | 6/6/2016   | USER-SPECIFIC LANDMARKS FOR NAVIGATION SYSTEMS   |
| 15/691,600 | 2017-0363435 | 8/30/2017  | Selecting a Route to a Destination Based on Zones  |
| 15/197,518 | 9,857,188    | 6/29/2016  | Providing Alternative Routing Options To A Rider Of A Transportation Management System                                     |
| 15/252,571 | 2018-0060778 | 8/31/2016  | DRIVER LOCATION PREDICTION FOR A TRANSPORTATION SERVICE  |
| 15/809,948 | 2018-0066947 | 11/10/2017 | Providing Alternative Routing Options To A Rider Of A Transportation Management System                                     |
| 13/734,925 | 8,700,320    | 1/5/2013   | Emphasizing Featured Locations During a Journey  |

| 14/135,659 | 9,140,566    | 12/20/2013 | Passive Crowd-Sourced Map Updates and Alternative Route Recommendations |
|------------|--------------|------------|---|
| 13/534,022 | 9,222,788    | 6/27/2012  | Proactive delivery of navigation options                                |
| 12/975,586 | 9,008,859    | 12/22/2010 | Navigation instructions using low-bandwidth signaling                   |
| 10/242,150 | 7,433,826    | 9/12/2002  | SYSTEM AND METHOD FOR IDENTITY VALIDATION FOR A REGULATED TRANSACTION   |
| 12/210,236 | 7,827,410    | 9/15/2008  | SYSTEM AND METHOD FOR IDENTITY VALIDATION FOR A REGULATED TRANSACTION   |
| 14/853,728 | 9,801,202    | 9/14/2015  | BLUETOOTH DEVICE AND DATA SCHEDULER                                     |
| 15/706,036 | 2018-0007706 | 9/15/2017  | BLUETOOTH DEVICE AND DATA SCHEDULER                                     |
| 14/847,656 | 2017-0070414 | 9/8/2015   | System Event Analyzer and Outlier Visualization                         |
| 14/847,666 | 9,794,158    | 9/8/2015   | SYSTEM EVENT ANALYZER AND OUTLIER VISUALIZATION                         |
| 14/856,078 | 2017-0075536 | 9/16/2015  | OPERATOR TAG SEARCH SYSTEM  |
| 14/885,578 | 9,818,296    | 10/16/2015 | SYSTEM FOR PROVIDING A CITY PLANNING TOOL                               |
| 15/011,650 | 2017-0221071 | 1/31/2016  | ISSUE RESOLUTION PLATFORM   |
| 15/728,078 | 2018-0034720 | 10/9/2017  | System Event Analyzer and Outlier Visualization                         |
| 15/730,506 | 2018-0033295 | 10/11/2017 | SYSTEM FOR PROVIDING A CITY PLANNING TOOL                               |
| 12/834,829 | 7,930,098    | 7/12/2010  | SYSTEM AND METHOD FOR SETTING A RIDESHARE TRANSACTION FEE               |
| 13/087,346 | 8,036,824    | 4/14/2011  | SYSTEM AND METHOD FOR SETTING A RIDESHARE TRANSACTION FEE               |
| 13/828,481 | 2013-0246207 | 3/14/2013  | SYSTEM AND METHOD FOR DYNAMICALLY ADJUSTING PRICES FOR SERVICES         |
| 13/830,449 | 9,305,310    | 3/14/2013  | ENABLING A USER TO VERIFY A PRICE CHANGE FOR AN ON-DEMAND SERVICE       |
| 15/050,931 | 2016-0171515 | 2/23/2016  | ENABLING A USER TO VERIFY A PRICE CHANGE FOR AN ON-DEMAND SERVICE       |

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| 15/098,295 | 2016-0300318 | 4/13/2016  | FARE DETERMINATION SYSTEM FOR ON-DEMAND<br>TRANSPORT ARRANGEMENT SERVICE                                      |
|------------|--------------|------------|---|
| 15/251,845 | 2018-0060990 | 8/30/2016  | REAL-TIME RESOURCE MANAGEMENT FOR ON-DEMAND SERVICES  |
| 09/896,582 | 6,961,758    | 6/29/2001  | Personalized Internet Content Server System   |
| 12/609,481 | 8,362,894    | 10/30/2009 | Methods and Systems for Providing Departure Notification from a Travel Assistance System                      |
| 13/672,661 | 2013-0132887 | 11/8/2012  | TRANSITIONING USER INTERFACE FEATURES FOR ON-<br>DEMAND SERVICES THROUGH USE OF PORTABLE<br>COMPUTING DEVICES |
| 13/837,592 | 2013-0246301 | 3/15/2013  | PROVIDING USER FEEDBACK FOR TRANSPORT SERVICES THROUGH USE OF MOBILE DEVICES                                  |
| 13/672,634 | 9,230,292    | 11/8/2012  | PROVIDING ON-DEMAND SERVICES THROUGH USE OF PORTABLE COMPUTING DEVICES  |
| 13/672,651 | 2014-0129302 | 11/8/2012  | PROVIDING A CONFIRMATION INTERFACE FOR ON-<br>DEMAND SERVICES THROUGH USE OF PORTABLE<br>COMPUTING DEVICES    |
| 14/311,782 | 2015-0012341 | 6/23/2014  | SYSTEM AND METHOD FOR SPLITTING A FEE FOR AN ON-<br>DEMAND SERVICE  |
| 14/333,352 | 2015-0228000 | 7/16/2014  | USER CONTROLLED MEDIA FOR USE WITH ON-DEMAND TRANSPORT SERVICES   |
| 14/547,289 | 2015-0262430 | 11/19/2014 | CONFIGURABLE PUSH NOTIFICATIONS FOR A TRANSPORT SERVICE   |
| 14/746,766 | 2015-0371157 | 6/22/2015  | TRIP PLANNING AND IMPLEMENTATION  |
| 14/536,054 | 9,615,208    | 11/7/2014  | DYNAMICALLY CONTROLLING THE PRESENTATION OF A GRAPHIC FEATURE BASED ON LOCATION INFORMATION                   |
| 14/924,705 | 2016-0225051 | 10/27/2015 | PROVIDING ON-DEMAND SERVICES THROUGH USE OF PORTABLE COMPUTING DEVICES  |
| 14/796,309 | 2017-0012920 | 7/10/2015  | SELECTING A MESSAGING PROTOCOL FOR<br>TRANSMITTING DATA IN CONNECTION WITH A<br>LOCATION-BASED SERVICE        |
| 14/820,382 | 2017-0038948 | 8/6/2015   | FACILITATING RIDER PICK-UP FOR A TRANSPORT  |

|              |              |            | SERVICE   |
|--------------|--------------|------------|---|
| 15/457,948   | 2017-0186056 | 3/13/2017  | PROVIDING ON-DEMAND SERVICES THROUGH USE OF PORTABLE COMPUTING DEVICES                      |
| 15/462,656   | 2017-0195476 | 3/17/2017  | DYNAMICALLY CONTROLLING THE PRESENTATION OF A GRAPHIC FEATURE BASED ON LOCATION INFORMATION |
| US15/371,597 | 2017-0220240 | 12/7/2016  | IN-APPLICATION INTERACTIVE NOTIFICATION   |
| 15/421,035   | 2017-0220237 | 1/31/2017  | COMPUTER EXECUTION OF APPLICATION WITH SELECTIVE LAUNCH BEHAVIOR                            |
| 15/382,708   | 2017-0272901 | 12/18/2016 | NETWORK COMPUTER SYSTEM TO ADDRESS SERVICE PROVIDERS TO CONTACTS                            |
| US15/465,003 | 2017-0270794 | 3/21/2017  | TARGET ADDRESSING SYSTEM  |
| 15/253,394   | 2018-0060754 | 8/31/2016  | ANTICIPATING USER DISSATISFACTION VIA MACHINE LEARNING                                      |
| 15/395,818   | 9,813,510    | 12/30/2016 | NETWORK SYSTEM TO COMPUTE AND TRANSMIT DATA BASED ON PREDICTIVE INFORMATION                 |
| 15/395,885   | 9,791,291    | 12/30/2016 | MODIFYING MAP CONFIGURATIONS BASED ON ESTABLISHED LOCATION POINTS                           |
| 12/471,073   | 8,165,799    | 5/22/2009  | Timed location sharing  |
| 10/379,967   | 6,989,765    | 3/5/2003   | Personalized traveler information dissemination system                                      |
| 10/897,550   | 7,610,145    | 7/23/2004  | System and method for determining recommended departure time                                |
| 11/253,301   | 7,161,497    | 10/17/2005 | System for aggregating traveler information   |
| 11/302,418   | 7,221,287    | 12/12/2005 | Three-dimensional traffic report  |
| 11/509,954   | 7,375,649    | 8/24/2006  | Traffic routing based on segment travel time  |
| 11/505,048   | 7,508,321    | 8/15/2006  | System and method for predicting travel time for a travel route                             |
| 11/751,628   | 7,557,730    | 5/21/2007  | GPS-generated traffic information   |
| 12/283,748   | 7,702,452    | 9/12/2008  | System and method for determining a prediction of average speed for a segment of roadway    |

| 12/482,285 | 7,880,642    | 6/10/2009  | GPS-generated traffic information                              |
|------------|--------------|------------|--|
| 12/398,120 | 8,619,072    | 3/4/2009   | Controlling a three-dimensional virtual broadcast presentation |
| 12/763,199 | 8,103,443    | 4/19/2010  | System and method for delivering departure notifications       |
| 12/860,700 | 8,982,116    | 8/20/2010  | Touch screen based interaction with traffic data               |
| 12/881,690 | 9,046,924    | 9/14/2010  | Gesture based interaction with traffic data                    |
| 12/967,045 | 8,358,222    | 12/13/2010 | GPS-generated traffic information                              |
| 13/296,108 | 8,718,910    | 11/14/2011 | Crowd sourced traffic reporting                                |
| 13/316,250 | 8,660,780    | 12/9/2011  | System and method for delivering departure notifications       |
| 13/561,269 | 8,531,312    | 7/30/2012  | Method for choosing a traffic route                            |
| 13/561,327 | 8,537,033    | 7/30/2012  | Method for predicting a travel time for a traffic route        |
| 13/475,502 | 8,725,396    | 5/18/2012  | System for providing traffic data and driving efficiency data  |
| 13/561,304 | 8,564,455    | 7/30/2012  | Generating visual information associated with traffic          |
| 13/752,351 | 8,781,718    | 1/28/2013  | Estimating time travel distributions on signalized arterials   |
| 13/747,454 | 8,786,464    | 1/22/2013  | GPS generated traffic information                              |
| 14/029,621 | 9,070,291    | 9/17/2013  | Method for predicting a travel time for a traffic route        |
| 14/029,617 | 9,082,303    | 9/17/2013  | Generating visual information associated with traffic          |
| 14/022,224 | 8,958,988    | 9/10/2013  | Method for choosing a traffic route                            |
| 14/155,174 | 9,127,959    | 1/14/2014  | System and method for delivering departure notifications       |
| 14/058,195 | 2014-0129124 | 10/18/2013 | ESTIMATING TIME TRAVEL DISTRIBUTIONS ON SIGNALIZED ARTERIALS   |
| 14/100,985 | 9,448,690    | 12/9/2013  | Controlling a three-dimensional virtual broadcast presentation |
| 14/275,702 | 9,390,620    | 5/12/2014  | System for providing traffic data and driving efficiency data  |
| 14/323,352 | 9,293,039    | 7/3/2014   | Estimating time travel distributions on signalized arterials   |

| 14/327,468 | 9,368,029    | 7/9/2014   | GPS generated traffic information   |
|------------|--------------|------------|---|
| 14/624,498 | 9,489,842    | 2/17/2015  | Method for choosing a traffic route   |
| 14/692,097 | 9,401,088    | 4/21/2015  | Method for predicting a travel time for a traffic route   |
| 14/793,879 | 9,640,073    | 7/8/2015   | GENERATING VISUAL INFORMATION ASSOCIATED WITH TRAFFIC   |
| 14/846,576 | 9,644,982    | 9/4/2015   | SYSTEM AND METHOD FOR DELIVERING DEPARTURE NOTIFICATIONS  |
| 15/181,221 | 9,602,977    | 6/13/2016  | GPS GENERATED TRAFFIC INFORMATION   |
| 15/207,377 | 9,547,984    | 7/11/2016  | SYSTEM FOR PROVIDING TRAFFIC DATA AND DRIVING EFFICIENCY DATA   |
| 15/270,916 | 2017-0031561 | 9/20/2016  | Controlling a three-dimensional virtual broadcast presentation  |
| 10/032,530 | 6,754,582    | 10/25/2001 | Methods And Systems For Routing Travel Between Origin And<br>Destination Service Locations Using Global Satellite Positioning |
| 10/856,441 | 7,103,476    | 5/28/2004  | Methods And Systems For Routing Travel Between Origin And<br>Destination Service Locations Using Global Satellite Positioning |
| 11/516,016 | 7,295,924    | 9/5/2006   | Methods And Systems For Routing Travel Between Origin And<br>Destination Service Locations Using Global Satellite Positioning |
| 11/939,167 | 7,599,793    | 11/13/2007 | Methods And Systems For Routing Travel Between Origin And<br>Destination Service Locations Using Global Satellite Positioning |
| 10/032,853 | 6,772,064    | 10/25/2001 | Methods And Systems For Determining A Telecommunications<br>Service Location Using Global Satellite Positioning               |
| 10/445,861 | 7,188,027    | 5/27/2003  | Methods And Systems For Determining A Telecommunications<br>Service Location Using Global Satellite Positioning               |
| 11/637,659 | 7,292,939    | 12/12/2006 | Methods And Systems For Determining A Telecommunications<br>Service Location Using Global Satellite Positioning               |
| 11/935,749 | 7,647,172    | 11/6/2007  | Methods And Systems For Determining A Telecommunications<br>Service Location Using Global Satellite Positioning               |
| 12/649,166 | 8,135,540    | 12/29/2009 | Methods And Systems For Determining A Telecommunications<br>Service Location Using Global Satellite Positioning               |
| 12/712,053 | 9,261,376    | 2/24/2010  | Route computation based on route-oriented vehicle trajectories  |

| 13/328,964 | 8,700,316    | 12/16/2011 | Optional re-routing  |
|------------|--------------|------------|--|
| 14/213,190 | 9,163,951    | 3/14/2014  | Optional re-routing  |
| 11/801,874 | 7,756,633    | 5/11/2007  | SYSTEM AND METHOD FOR SETTING A RIDESHARE TRANSACTION FEE              |
| 12/834,818 | 7,869,945    | 7/12/2010  | SYSTEM AND METHOD FOR SETTING A RIDESHARE TRANSACTION FEE              |
| 12/834,842 | 7,970,533    | 7/12/2010  | SYSTEM AND METHOD FOR SETTING A RIDESHARE TRANSACTION FEE              |
| 12/895,786 | 8,224,571    | 9/30/2010  | SYSTEM AND METHOD FOR SETTING A RIDESHARE TRANSACTION FEE              |
| 12/895,801 | 7,974,779    | 9/30/2010  | SYSTEM AND METHOD FOR SETTING A RIDESHARE TRANSACTION FEE              |
| 12/976,885 | 8,086,400    | 12/22/2010 | SYSTEM AND METHOD FOR SETTING A RIDESHARE TRANSACTION FEE              |
| 13/087,338 | 8,095,305    | 4/14/2011  | SYSTEM AND METHOD FOR SETTING A RIDESHARE TRANSACTION FEE              |
| 13/707,694 | 8,825,000    | 12/7/2012  | Systems and Methods for Safely Operating a Mobile Communication Device |
| 14/742,273 | 9,762,601    | 6/17/2015  | TRIP ANOMALY DETECTION SYSTEM  |
| 14/819,288 | 2017-0039890 | 8/5/2015   | AUGMENTING TRANSPORT SERVICES USING DRIVER PROFILING                   |
| 15/366,387 | 9,723,469    | 12/1/2016  | TRIP ANOMALY DETECTION SYSTEM  |
| 15/634,234 | 9,883,371    | 6/27/2017  | TRIP ANOMALY DETECTION SYSTEM  |
| 11/845,070 | 7,739,231    | 8/26/2007  | MUTUAL COMMIT PEOPLE MATCHING PROCESS                                  |
| 12/773,119 | 8,060,462    | 5/4/2010   | MUTUAL INTEREST INFERENCING SYSTEM AND METHOD                          |
| 13/212,755 | 8,478,716    | 8/18/2011  | Proximity-based People Matching System and Method                      |
| 13/212,676 | 8,458,119    | 8/18/2011  | PEOPLE MATCHING IN SUBSCRIPTION-BASED COMMUNITIES                      |

| 13/212,729 | 8,458,120    | 8/18/2011  | SEARCH-BASED PEOPLE MATCHING SYSTEM AND METHOD   |
|------------|--------------|------------|--|
| 13/212,774 | 8,515,900    | 8/18/2011  | ENVIRONMENT-RESPONSIVE PEOPLE MATCHING SYSTEM AND METHOD   |
| 12/716,314 | 8,589,330    | 3/3/2010   | Predicting or Recommending a Users Future Location Based on<br>Crowd Data                                |
| 13/292,328 | 8,515,901    | 11/9/2011  | EXPLANATORY PEOPLE MATCHING SYSTEM AND METHOD  |
| 13/945,658 | 8,615,484    | 7/18/2013  | RELATIONSHIP-BASED PEOPLE MATCHING SYSTEM AND METHOD   |
| 13/968,657 | 9,047,245    | 8/16/2013  | LOCATION-BASED PEOPLE MATCHING SYSTEM AND METHOD   |
| 14/083,628 | 9,026,488    | 11/19/2013 | MUTUAL EXPRESSIONS OF INTEREST-BASED PEOPLE MATCHING SYSTEM AND METHOD                                   |
| 14/678,727 | 9,924,306    | 4/3/2015   | INFERENTIAL PEOPLE MATCHING METHOD, SYSTEM, AND DEVICE   |
| 14/696,637 | 9,906,899    | 4/27/2015  | PHYSICAL OBJECT-BASED PEOPLE MATCHING METHOD, SYSTEM, AND DEVICE   |
| 15/221,368 | 2017-0034085 | 7/27/2016  | MESSAGING INTEGRATION IN CONNECTION WITH A TRANSPORTATION ARRANGEMENT SERVICE                            |
| 15/221,933 | 2017-0034110 | 7/28/2016  | SOCIAL MEDIA INTEGRATION FOR TRANSPORT<br>ARRANGEMENT SERVICE  |
| 12/628,825 | 8,340,688    | 12/1/2009  | Method And Apparatus For Finding People Via A Mobile Device  |
| 13/689,399 | 8,600,408    | 11/29/2012 | Method And Apparatus For Finding People Via A Mobile Device  |
| 09/800,682 | 6,567,661    | 3/7/2001   | Distributed Telemetry Method and System  |
| 13/763,062 | 2013-0151202 | 2/8/2013   | Collaborative Incident Media Recording System And Related<br>Methods                                     |
| 15/382,453 | 2017-0236411 | 12/16/2016 | NETWORK COMPUTER SYSTEM FOR ANALYZING DRIVING ACTIONS OF DRIVERS ON ROAD SEGMENTS OF A GEOGRAPHIC REGION |
| 11/465,154 | 7,570,158    | 8/17/2006  | Collaborative Incident Media Recording System And Related  |

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|            |              |            | Methods   |
|------------|--------------|------------|---|
| 12/498,537 | 8,384,539    | 7/7/2009   | Collaborative Incident Media Recording System And Related Methods         |
| 14/520,095 | 2016-0110836 | 10/21/2014 | ARRANGING ON-DEMAND SERVICES BASED ON ONE OR MORE PREDEFINED RULES        |
| 15/599,312 | 2017-0351977 | 5/18/2017  | FACILITATING USER ACTION BASED ON TRANSMISSIONS OF DATA TO MOBILE DEVICES |
| 14/814,338 | 2016-0034845 | 7/30/2015  | ARRANGING A TRANSPORT SERVICE FOR MULTIPLE USERS                          |
| 14/846,132 | 9,706,367    | 9/4/2015   | PROVIDING ROUTE INFORMATION TO DEVICES DURING A SHARED TRANSPORT SERVICE  |
| 15/612,737 | 2017-0272918 | 6/2/2017   | PROVIDING ROUTE INFORMATION TO DEVICES DURING A SHARED TRANSPORT SERVICE  |

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