

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5221831

|                                                                                                                                                                                                 |                                 |                       |
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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                  |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                      |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                 |                       |
|                                                                                                                                                                                                 | <b>Name</b>                     | <b>Execution Date</b> |
|                                                                                                                                                                                                 | FLEXTRONICS AP, LLC             | 05/20/2015            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                 |                       |
| <b>Name:</b>                                                                                                                                                                                    | AUTOCONNECT HOLDINGS LLC        |                       |
| <b>Street Address:</b>                                                                                                                                                                          | 21 WEDGWOOD ROAD                |                       |
| <b>City:</b>                                                                                                                                                                                    | WELLESLEY                       |                       |
| <b>State/Country:</b>                                                                                                                                                                           | MASSACHUSETTS                   |                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 02481                           |                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                 |                       |
|                                                                                                                                                                                                 | <b>Property Type</b>            | <b>Number</b>         |
|                                                                                                                                                                                                 | Application Number:             | 15401719              |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                 |                       |
| <b>Fax Number:</b>                                                                                                                                                                              | (303)770-0152                   |                       |
| <i>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.</i> |                                 |                       |
| <b>Phone:</b>                                                                                                                                                                                   | 720-562-5500                    |                       |
| <b>Email:</b>                                                                                                                                                                                   | PTOMAIL@MFBLAW.COM              |                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | MARSH FISCHMANN & BREYFOGLE LLP |                       |
| <b>Address Line 1:</b>                                                                                                                                                                          | 8055 E. TUFTS AVE.              |                       |
| <b>Address Line 2:</b>                                                                                                                                                                          | SUITE 450                       |                       |
| <b>Address Line 4:</b>                                                                                                                                                                          | DENVER, COLORADO 80237          |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 51263-00045                     |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | ROBERT G. CROUCH                |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /ROBERT G. CROUCH/              |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 11/05/2018                      |                       |
| <b>Total Attachments: 19</b>                                                                                                                                                                    |                                 |                       |
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## PATENT ASSIGNMENT

This Patent Assignment (the "Assignment") is made and entered into as of May 20, 2015 (the "Effective Date"), by and between Flextronics AP, LLC, a limited liability company duly formed under the laws of the state of Colorado ("Assignor"), and AutoConnect Holdings LLC, a Delaware limited liability company ("Assignee"). Defined terms not specifically defined herein shall have the meanings ascribed to them in the Asset Purchase Agreement, dated May 20, 2015 (the "Agreement"), by and between the parties.

WHEREAS, pursuant to the Agreement, Assignor has agreed to assign to Assignee certain patents and patent applications as listed on Exhibit A to this Assignment (the "Patents");

WHEREAS, to effect the transfer of the Patents as contemplated in the Agreement, Assignor and Assignee desire to enter into this Assignment;

NOW, THEREFORE, in consideration of the mutual promises of the parties, and for good and valuable consideration, the receipt, adequacy and legal sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

1. Assignment. Assignor does hereby contribute, assign, transfer, convey and deliver to Assignee and its successors and assigns, all right, title, and interest in and to the Patents, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for the subject matter of the Patents, and to any continuation, continuation-in-part, division, renewal, extension, substitute, re-examination or reissue thereof or any legal equivalent in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under any international conventions and treaties, together with all claims for damages and other remedies by reason of past infringements of the Patents, whether arising prior to or subsequent to the date of this Assignment, along with the right to sue for and collect such damages and other remedies for the use and benefit of Assignee and its successors, assigns and other legal representatives.

2. Authorization. Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and, in the case of any patent applications filed with any office of any country or countries foreign to the United States, any officer of such country whose duty it is to issue patents or other evidence or forms of intellectual property protection or applications as aforesaid, to issue the same to Assignee and its successors, assigns and other legal representatives in accordance with the terms of this Assignment.

3. Conflicts. Notwithstanding any other provisions of this Assignment to the contrary, Assignor acknowledges and agrees that the representations, warranties, covenants, agreements, conditions, indemnities, rights and remedies contained in the Agreement shall not be superseded, modified, replaced, amended, changed, rescinded, or in any way affected hereby, but shall remain in full force and effect to the full extent provided in the Agreement. This Assignment is subject to and controlled by the terms of the Agreement, and in the event of any conflict or inconsistency between the terms of the Agreement and the terms hereof, the terms of the Agreement shall govern.

4. Further Actions. Assignor covenants and agrees, at its own expense, to execute and deliver, at the request of Assignee, such further instruments of transfer and assignment and to take such other actions as reasonably requested by Assignee to more effectively consummate the assignments and assumptions contemplated by this Assignment.

5. Governing Law. This Assignment and any disputes hereunder shall be governed by and construed in accordance with the domestic laws of the State of California, without giving effect to any choice of law or conflict of law provision or rule (whether of the State of California or any other jurisdiction) that would cause the application of laws of any jurisdiction other than those of the State of

California. All disputes concerning this Assignment or the subject matter of this Assignment shall be resolved in accordance with of the Agreement.

6. Notices. All notices and other communications hereunder shall be in writing and shall be deemed to have been duly given when delivered in person, by telecopy with answer back, by express or overnight mail delivered by a nationally recognized air courier (delivery charges prepaid), by registered or certified mail (postage prepaid, return receipt requested) or by e-mail with receipt confirmed by return e-mail to the respective parties as set forth below, or such other address as may be designated in writing hereafter, in the same manner, by such party:

If to Assignor:

Flextronics AP, LLC  
6201 America Center Drive  
San Jose, CA 95002  
Attn: Rob Cronan

If to Assignee:

AutoConnect Holdings LLC  
21 Wedgwood Road  
Wellesley, MA 02481  
Attention: Gregg Hershenson

Any notice or communication delivered in person shall be deemed effective on delivery. Any notice or communication sent by e-mail, telecopy or by air courier shall be deemed effective on the first business day following the day on which such notice or communication was sent. Any notice or communication sent by registered or certified mail shall be deemed effective on the third business day following the day on which such notice or communication was mailed.

7. Binding Assignment. Except as provided in the Agreement, no party may, directly or indirectly, in whole or in part, whether voluntarily or involuntarily or by operation of law or otherwise, assign or transfer this Assignment and the rights granted to it hereunder without the other party's prior written consent, which consent may be granted or refused at the other party's sole discretion. Notwithstanding the foregoing, either party may assign this Assignment and the rights granted to it hereunder, subject to its obligations, to a successor in interest without the consent of the other party upon any merger, acquisition, reorganization, change of control, or sale of all or substantially all of the assets or business of such party or the sale of all or substantially all of the assets or the business to which this Assignment relates. Any assignment or attempted assignment in violation of this section shall be null and void from the beginning, and shall be deemed a material breach of this Assignment.

8. Relationship Between Parties. Assignee and Assignor shall at all times and for all purposes be deemed to be independent contractors and neither party, nor either party's employees, representatives, subcontractors or agents, shall have the right or power to bind the other party. This Assignment shall not itself create or be deemed to create a joint venture, partnership or similar association between Assignee and Assignor or either party's employees, representatives, subcontractors or agents.

9. Third Party Beneficiaries. The terms and provisions of this Assignment are intended solely for the benefit of Assignee and its Affiliates, on the one hand, and Assignor and its Affiliates, on the other hand. It is not the intention of the parties to confer third-party beneficiary rights upon any other person or entity, and this Assignment does not (shall not be construed to) confer any right or cause of action in, upon or on behalf of any other person or entity, and no person or entity (including any of employee or former employee of any of the parties) other than Assignee or its Affiliates and Assignor or

its affiliates shall be entitled to rely on any provision of this Assignment in any action proceeding, hearing or other forum.

10. Severability. In the event that any clause, sub-clause or other provision contained in this Assignment shall be determined by any competent authority to be invalid, unlawful or unenforceable to any extent, such clause, sub-clause or other provision shall to that extent be severed from the remaining clauses and provisions, or the remaining part of the clause in question, which shall continue to be valid and enforceable to the fullest extent permitted by law.

11. No Waiver; Remedies Cumulative. Failure or neglect by a party to enforce at any time any of the provisions hereof shall not be construed nor shall be deemed to be a waiver of such party's rights hereunder nor in any way affect the validity of the whole or any part of this Assignment nor prejudice such party's rights to take subsequent action. All rights and remedies conferred under this Assignment or by any other instrument or law shall be cumulative and may be exercised singularly or concurrently.

12. Amendment. Any term of this Assignment may be amended, modified, rescinded, canceled or waived, in whole or in part, only by a written instrument signed by each of the parties' authorized representatives or their respective permitted successors and assigns. Any amendment or waiver effected in accordance with this Section shall be binding upon the parties and their respective successors and assigns.

13. Counterparts. This Assignment may be executed in two or more counterparts, all of which, taken together, shall be considered to be one and the same instrument.

14. Headings; Construction. The headings to the clauses, sub-clauses and parts of this Assignment are inserted for convenience of reference only and are not intended to be part of or to affect the meaning or interpretation of this Assignment. The terms "this Assignment," "hereof," "hereunder" and any similar expressions refer to this Assignment and not to any particular Section or other portion hereof. The parties hereto agree that any rule of construction to the effect that ambiguities are to be resolved against the drafting party will not be applied in the construction or interpretation of this Assignment. As used in this Assignment, the words "include" and "including," and variations thereof, will be deemed to be followed by the words "without limitation" and "discretion" means sole discretion.

15. Entire Assignment. With the exception of the Agreement and the transaction documents, this Assignment supersedes any arrangements, understandings, promises or agreements made or existing between the parties hereto prior to or simultaneously with this Assignment and, together with the Agreement and the transaction documents, constitutes the entire understanding between the parties hereto.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, Assignor has caused this Assignment to be executed as of the Effective Date.

Flextronics AP, LLC, a Colorado limited liability company

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

*Timothy Stewart*  
*Timothy Stewart*  
*Director*

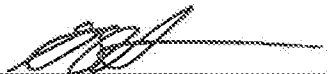
SIGNATURE PAGE TO PATENT ASSIGNMENT

OHSUSA:761637558.1

PATENT  
REEL: 036500 FRAME: 0067

IN WITNESS WHEREOF, Assignee has caused this Assignment to be executed as of the Effective Date.

**AutoConnect Holdings LLC**, a Delaware limited liability company

Signature:  .....

Name: Gregg S. Hershenson

Title: Founder

SIGNATURE PAGE TO PATENT ASSIGNMENT

OHSUSA:761637558.1

**PATENT**  
**REEL: 036500 FRAME: 0062**

**Exhibit A**

**Assigned Patents and Patent Applications**

Please refer to attached spreadsheet.

**EXHIBIT A TO PATENT ASSIGNMENT**

OHSUSA:761637558.1

**PATENT**  
**REEL: 036500 FRAME: 0069**

**Schedule 1.1(b)  
Seller Intellectual Property**

| File No.        | Title                                                     | Country | Patent No. | Issue Date | Serial No.     | Filing Date |
|-----------------|-----------------------------------------------------------|---------|------------|------------|----------------|-------------|
| 6583-164-PROV   | Complete Vehicle Ecosystem                                | US      |            |            | 61/560,509     | 11/16/2011  |
| 6583-164-PROV-2 | Complete Vehicle Ecosystem                                | US      |            |            | 61/637,164     | 4/23/2012   |
| 6583-164-PROV-3 | Complete Vehicle Ecosystem                                | US      |            |            | 61/663,335     | 6/22/2012   |
| 6583-228        | Vehicle Comprising Multi-Operating System                 | US      |            |            | 13/679,459     | 11/16/2012  |
| 6583-229        | Gesture Recognition For On-Board Display                  | US      | 8,831,826  | 9/9/2014   | 13/679,234     | 11/16/2012  |
| 6583-229-CON    | Vehicle Occupant Health Data Gathering and Monitoring     | US      |            |            | 13/843,011     | 3/15/2013   |
| 6583-229-CON-2  | Gesture Recognition for On-Board Display                  | US      |            |            | 14/557,427     | 12/1/2014   |
| 6583-230        | Vehicle Application Store for Console                     | US      |            |            | 13/679,412     | 11/16/2012  |
| 6583-230-PROV   | Vehicle Application Store for Console                     | US      |            |            | 61/653,275     | 5/30/2012   |
| 6583-231        | Sharing Applications/Media Between Car and Phone (Hybrid) | US      | 9,020,491  | 4/28/2015  | 13/679,857     | 11/16/2012  |
| 6583-232        | In-Cloud Connection for Car Multimedia                    | US      |            |            | 13/679,878     | 11/16/2012  |
| 6583-233        | Automatic and Adaptive Selection of Multimedia Sources    | US      |            |            | 13/679,875     | 11/16/2012  |
| 6583-234        | Control of Device Features Based on Vehicle State         | US      |            |            | 13/679,676     | 11/16/2012  |
| 6583-234-PCA    | Control of Device Features Based on Vehicle State         | CA      |            |            | 2,874,651      | 5/30/2013   |
| 6583-234-PCT    | Control of Device Features Based on Vehicle State         | WO      |            |            | PCT/US13/43211 | 5/30/2013   |
| 6583-234-PEP    | Control of Device Features Based on Vehicle State         | EP      |            |            | 13797358.2     | 5/30/2013   |
| 6583-234-PROV   | Control of Device Features Based on Vehicle State         | US      |            |            | 61/653,264     | 5/30/2012   |
| 6583-235        | Insurance Tracking                                        | US      |            |            | 13/678,673     | 11/16/2012  |
| 6583-235-PCT    | Insurance Tracking                                        | WO      |            |            | PCT/US12/65422 | 11/16/2012  |

| File No.         | Title                                                          | Country | Patent No. | Issue Date | Serial No.           | Filing Date |
|------------------|----------------------------------------------------------------|---------|------------|------------|----------------------|-------------|
| 6583-235-PDE     | Insurance Tracking                                             | DE      |            |            | 11 2012 004<br>781.8 | 11/16/2012  |
| 6583-236         | Law Breaking/Behavior Sensor                                   | US      |            |            | 13/678,691           | 11/16/2012  |
| 6583-237         | Etiquette Suggestion                                           | US      |            |            | 13/678,699           | 11/16/2012  |
| 6583-238         | Parking Space Finder Based on<br>Parking Meter Data            | US      |            |            | 13/678,710           | 11/16/2012  |
| 6583-238-PCT     | Complete Vehicle Ecosystem                                     | WO      |            |            | PCT/US12/65423       | 11/16/2012  |
| 6583-238-PDE     | Complete Vehicle Ecosystem                                     | DE      |            |            | 11 2012 004<br>767.2 | 11/16/2012  |
| 6583-239         | Parking Meter Expired Alert                                    | US      | 8,922,393  | 12/30/2014 | 13/678,722           | 11/16/2012  |
| 6583-240         | Object Sensing (Pedestrian<br>Avoidance/Accident Avoidance)    | US      | 9,043,130  | 5/26/2015  | 13/678,726           | 11/16/2012  |
| 6583-241         | Proximity Warning Relative to<br>Other Cars                    | US      |            |            | 13/678,735           | 11/16/2012  |
| 6583-242         | Street Side Sensors                                            | US      | 9,014,911  | 4/21/2015  | 13/678,745           | 11/16/2012  |
| 6583-243         | Car Location                                                   | US      |            |            | 13/678,753           | 11/16/2012  |
| 6583-244         | Universal Bus in the Car                                       | US      | 8,983,718  | 3/17/2015  | 13/679,441           | 11/16/2012  |
| 6583-244-CON     | Universal Bus in the Car                                       | US      |            |            | 14/659,255           | 3/16/2015   |
| 6583-244-PCT     | Universal Bus in the Car                                       | WO      |            |            | PCT/US12/65510       | 11/16/2012  |
| 6583-244-PDE     | Universal Bus in the Car                                       | DE      |            |            | 11 2012 004<br>778.8 | 11/16/2012  |
| 6583-245         | Mobile Hot<br>Spot/Router/Application Share<br>Site or Network | US      |            |            | 13/679,864           | 11/16/2012  |
| 6583-246         | Universal Console Chassis for the<br>Car                       | US      | 8,919,848  | 12/30/2014 | 13/679,815           | 11/16/2012  |
| 6583-246-DIV     | Universal Console Chassis for the<br>Car                       | US      |            |            | 14/527,209           | 10/29/2014  |
| 6583-247         | Vehicle Middleware                                             | US      |            |            | 13/679,476           | 11/16/2012  |
| 6583-247-PCT     | Vehicle Middleware                                             | WO      |            |            | PCT/US12/65613       | 11/16/2012  |
| 6583-247-PDE     | Vehicle Middleware                                             | DE      |            |            | 11 2012 004<br>770.2 | 11/16/2012  |
| 6583-247-CIP     | On Board Vehicle Networking<br>Module                          | US      |            |            | 13/828,513           | 3/14/2013   |
| 6583-247-CIP-PCT | On Board Vehicle Networking<br>Module                          | WO      |            |            | PCT/US14/19983       | 3/3/2014    |

| File No.            | Title                                                        | Country | Patent No. | Issue Date | Serial No.     | Filing Date |
|---------------------|--------------------------------------------------------------|---------|------------|------------|----------------|-------------|
| 6583-247-CIP-2      | On Board Vehicle Networking Module                           | US      |            |            | 13/828,651     | 3/14/2013   |
| 6583-247-CIP-3      | On Board Vehicle Presence Reporting Module                   | US      |            |            | 13/828,758     | 3/14/2013   |
| 6583-247-CIP-4      | On Board Vehicle Media Controller                            | US      |            |            | 13/828,860     | 3/14/2013   |
| 6583-247-CIP-5      | On Board Vehicle Network Security                            | US      |            |            | 13/828,960     | 3/14/2013   |
| 6583-247-CIP-6      | On Board Vehicle Media Controller                            | US      |            |            | 13/829,058     | 3/14/2013   |
| 6583-247-CIP-6-PCT  | On Board Vehicle Media Controller                            | WO      |            |            | PCT/US14/19216 | 2/28/2014   |
| 6583-247-CIP-7      | On Board Vehicle Installation Supervisor                     | US      | 8,949,823  | 2/3/2015   | 13/829,157     | 3/14/2013   |
| 6583-247-CIP-7-CON  | On Board Vehicle Installation Supervisor                     | US      |            |            | 14/485,467     | 9/12/2014   |
| 6583-247-CIP-8      | On Board Vehicle Media Controller                            | US      |            |            | 13/829,505     | 3/14/2013   |
| 6583-247-CIP-8-CON  | On Board Vehicle Media Controller                            | US      |            |            | 14/657,934     | 3/13/2015   |
| 6583-247-CIP-9      | On Board Vehicle Remote Control Module                       | US      |            |            | 13/829,605     | 3/14/2013   |
| 6583-247-CIP-10     | On Board Vehicle Diagnostic Module                           | US      | 9,043,073  | 5/26/2015  | 13/829,718     | 3/14/2013   |
| 6583-247-CIP-11     | Network Selector in a Vehicle Infotainment System            | US      |            |            | 13/829,799     | 3/14/2013   |
| 6583-247-CIP-12     | Media Filter in a Vehicle Infotainment Systems               | US      |            |            | 13/829,862     | 3/14/2013   |
| 6583-247-CIP-13     | Occupant Sharing of Displayed Content in Vehicles            | US      | 9,008,906  | 4/14/2015  | 13/830,003     | 3/14/2013   |
| 6583-247-CIP-13-CON | Occupant Sharing of Displayed Content in Vehicles            | US      |            |            | 14/657,829     | 3/13/2015   |
| 6583-247-CIP-13-PCT | Occupant Sharing of Displayed Content in Vehicles            | WO      |            |            | PCT/US14/19209 | 2/28/2014   |
| 6583-247-CIP-14     | Monitoring State-of-Health of Processing Modules in Vehicles | US      |            |            | 13/830,066     | 3/14/2013   |
| 6583-247-CIP-15     | Duplicated Processing in Vehicles                            | US      |            |            | 13/830,133     | 3/14/2013   |

| File No.            | Title                                                                                       | Country | Patent No. | Issue Date | Serial No.        | Filing Date |
|---------------------|---------------------------------------------------------------------------------------------|---------|------------|------------|-------------------|-------------|
| 6583-247-CIP-15-PCT | Duplicated Processing in Vehicles                                                           | WO      |            |            | PCT/US14/19201    | 2/28/2014   |
| 6583-247-PROV       | Vehicle Middleware                                                                          | US      |            |            | 61/714,016        | 10/15/2012  |
| 6583-247-PROV-2     | Vehicle Middleware                                                                          | US      |            |            | 61/715,699        | 10/18/2012  |
| 6583-248            | Method and System for Vehicle Data Collection Regarding Traffic                             | US      |            |            | 13/679,306        | 11/16/2012  |
| 6583-248-PCT        | Method and System for Vehicle Data Collection Regarding Traffic                             | WO      |            |            | PCT/US12/65615    | 11/16/2012  |
| 6583-248-PDE        | Method and System for Vehicle Data Collection Regarding Traffic                             | DE      |            |            | 11 2012 004 771.0 | 11/16/2012  |
| 6583-249            | Method and System for Vehicle Data Collection                                               | US      |            |            | 13/679,369        | 11/16/2012  |
| 6583-250            | Communications Based on Vehicle Diagnostics and Indications                                 | US      |            |            | 13/679,680        | 11/16/2012  |
| 6583-250-PCT        | Control of Device Features Based on Vehicle Indications and State                           | WO      |            |            | PCT/US12/65477    | 11/16/2012  |
| 6583-250-PDE        | Control of Device Features Based on Vehicle Indications and State                           | DE      |            |            | 11 2012 004 782.6 | 11/16/2012  |
| 6583-251            | Method and System for Maintaining and Reporting Vehicle Occupant Information                | US      |            |            | 13/679,443        | 11/16/2012  |
| 6583-252            | Behavioral Tracking and Vehicle Applications                                                | US      |            |            | 13/678,762        | 11/16/2012  |
| 6583-258            | Branding of Electrically Propelled Vehicles Via the Generation of Specific Operating Output | US      | 8,862,299  | 10/14/2014 | 13/679,292        | 11/16/2012  |
| 6583-258-PROV       | Branding of Electrically Propelled Vehicles Via the Generation of Specific Operating Output | US      |            |            | 61/646,747        | 5/14/2012   |
| 6583-313            | Vehicle Climate Control                                                                     | US      |            |            | 13/679,400        | 11/16/2012  |
| 6583-313-PCN        | Vehicle Climate Control                                                                     | CN      |            |            | 201380032296.9    | 7/16/2013   |
| 6583-313-PCT        | Vehicle Climate Control                                                                     | WO      |            |            | PCT/US13/50600    | 7/16/2013   |
| 6583-313-PDE        | Vehicle Climate Control                                                                     | DE      |            |            | 112013003595.2    | 7/16/2013   |
| 6583-313-PJP        | Vehicle Climate Control                                                                     | JP      |            |            | forthcoming       | 7/16/2013   |
| 6583-313-PROV       | Vehicle Climate Control                                                                     | US      |            |            | 61/672,483        | 7/17/2012   |
| 6583-314            | Controller Area Network Bus                                                                 | US      |            |            | 13/840,240        | 3/15/2013   |

| File No.      | Title                                                                        | Country | Patent No. | Issue Date | Serial No.           | Filing Date |
|---------------|------------------------------------------------------------------------------|---------|------------|------------|----------------------|-------------|
| 6583-315      | Location Information Exchange Between Vehicle and Device                     | US      | 8,818,725  | 8/26/2014  | 13/678,773           | 11/16/2012  |
| 6583-315-CON  | Location Information Exchange Between Vehicle and Device                     | US      |            |            | 14/468,055           | 8/25/2014   |
| 6583-316      | In-Car Communication Between Devices                                         | US      | 8,995,982  | 3/31/2015  | 13/679,887           | 11/16/2012  |
| 6583-317      | Configurable Hardware Unit for Car Systems                                   | US      | 8,979,159  | 3/17/2015  | 13/679,842           | 11/16/2012  |
| 6583-317-PCT  | Configurable Hardware Unit for Car Systems                                   | WO      |            |            | PCT/US12/65642       | 11/16/2012  |
| 6583-317-PDE  | Configurable Hardware Unit for Car Systems                                   | DE      |            |            | 11 2012 004<br>769.9 | 11/16/2012  |
| 6583-318      | Feature Recognition for Configuring a Vehicle Console and Associated Devices | US      | 8,793,034  | 7/29/2014  | 13/679,204           | 11/16/2012  |
| 6583-318-PCT  | Feature Recognition for Configuring a Vehicle Console and Associated Devices | WO      |            |            | PCT/US12/65421       | 11/16/2012  |
| 6583-318-PDE  | Feature Recognition for Configuring a Vehicle Console and Associated Devices | DE      |            |            | 11 2012 004<br>785.0 | 11/16/2012  |
| 6583-324-PROV | Complete Vehicle Ecosystem                                                   | US      |            |            | 61/653,563           | 5/31/2012   |
| 6583-412      | Configurable Vehicle Console                                                 | US      | 9,008,856  | 4/14/2015  | 13/679,350           | 11/16/2012  |
| 6583-412-PCT  | Configurable Vehicle Console                                                 | WO      |            |            | PCT/US12/65470       | 11/16/2012  |
| 6583-412-PDE  | Configurable Vehicle Console                                                 | DE      |            |            | 11 2012 004<br>789.3 | 11/16/2012  |
| 6583-413      | Configurable Dash Display                                                    | US      |            |            | 13/679,358           | 11/16/2012  |
| 6583-413-PCT  | Configurable Dash Display                                                    | WO      |            |            | PCT/US12/65474       | 11/16/2012  |
| 6583-413-PDE  | Configurable Dash Display                                                    | DE      |            |            | 11 2012 004<br>773.7 | 11/16/2012  |
| 6583-414      | Configurable heads-Up Dash Display                                           | US      |            |            | 13/679,363           | 11/16/2012  |
| 6583-415      | Removable, Configurable Vehicle Console                                      | US      |            |            | 13/679,368           | 11/16/2012  |
| 6583-414-PROV | Functional Specification for a Next Generation Automobile                    | US      |            |            | 61/811,981           | 4/15/2013   |

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| 6583-525        | Self-Configuring Vehicle Console Application Store                                           | US      |            |            | 13/963,728     | 8/9/2013    |
| 6583-528-PROV   | Gesture Control of Vehicle Features                                                          | US      |            |            | 61/865,954     | 8/14/2013   |
| 6583-528-PROV-2 | Gesture Control and User Profiles Associated with Vehicle Features                           | US      |            |            | 61/870,698     | 8/27/2013   |
| 6583-528-PROV-3 | Gesture Control and User Profiles Associated with Vehicle Features                           | US      |            |            | 61/891,217     | 10/15/2013  |
| 6583-528-PROV-4 | Gesture Control and User Profiles Associated with Vehicle Features                           | US      |            |            | 61/904,205     | 11/14/2013  |
| 6583-528-PROV-5 | Gesture Control and User Profiles Associated with Vehicle Features                           | US      |            |            | 61/924,572     | 1/7/2014    |
| 6583-530        | Vehicle Registration to Enter Automated Control of Vehicular Traffic                         | US      |            |            | 14/253,843     | 4/15/2014   |
| 6583-537        | Relay and Exchange Protocol in an Automated Zone-Based Vehicular Traffic Control Environment | US      |            |            | 14/253,836     | 4/15/2014   |
| 6583-538        | Traffic Consolidation Based on Vehicle Destination                                           | US      |            |            | 14/253,840     | 4/15/2014   |
| 6583-543        | Building Profiles Associated with Vehicle Users                                              | US      |            |            | 14/253,213     | 4/15/2014   |
| 6583-543-PCT    | Building Profiles Associated with Vehicle Users                                              | WO      |            |            | PCT/US14/34092 | 4/15/2014   |
| 6583-544        | Access and Portability of User Profiles Stored as Templates                                  | US      |            |            | 14/252,863     | 4/15/2014   |
| 6583-544-PCN    | Access and Portability of User Profiles Stored as Templates                                  | CN      |            |            | 201480001334.9 | 4/15/2014   |
| 6583-544-PCT    | Access and Portability of User Profiles Stored as Templates                                  | WO      |            |            | PCT/US14/34099 | 4/15/2014   |
| 6583-544-PEP    | Access and Portability of User Profiles Stored as Templates                                  | EP      |            |            | 14/266,875.0   | 4/15/2014   |
| 6583-545        | Global Standard Template Creation, Storage, and Modification                                 | US      |            |            | 14/253,216     | 4/15/2014   |

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| 6583-546     | User Profile Exchange via Vehicle Supported Communications Protocol            | US      |            |            | 14/252,865     | 4/15/2014   |
| 6583-547     | User Interface and Virtual Personality Presentation Based on User Profile      | US      |            |            | 14/253,240     | 4/15/2014   |
| 6583-547-PCN | User Interface and Virtual Personality Presentation Based on User Profile      | CN      |            |            | 201480001263.2 | 4/15/2014   |
| 6583-547-PCT | User Interface and Virtual Personality Presentation Based on User Profile      | WO      |            |            | PCT/US14/34087 | 4/15/2014   |
| 6583-547-PEP | User Interface and Virtual Personality Presentation Based on User Profile      | EP      |            |            | 14766874.3     | 4/15/2014   |
| 6583-548     | Suspending User Profile Modification Based on User Context                     | US      |            |            | 14/253,220     | 4/15/2014   |
| 6583-549     | Creating Targeted Advertising Profiles Based on User Behavior                  | US      |            |            | 14/253,315     | 4/15/2014   |
| 6583-549-PCT | Creating Targeted Advertising Profiles Based on User Behavior                  | WO      |            |            | PCT/US14/34088 | 4/15/2014   |
| 6583-550     | Behavior Modification via Altered Map Routes Based on User Profile Information | US      |            |            | 14/253,706     | 4/15/2014   |
| 6583-550-PCN | Behavior Modification Via Altered Map Routes Based on User Profile Information | CN      |            |            | 201480001273.6 | 4/15/2014   |
| 6583-550-PCT | Behavior Modification Via Altered Map Routes Based on User Profile Information | WO      |            |            | PCT/US14/34232 | 4/15/2014   |
| 6583-550-PEP | Behavior Modification Via Altered Map Routes Based on User Profile Information | EP      |            |            | 14766876.8     | 4/15/2014   |
| 6583-551     | Transfer of User Profile Data via Vehicle Agency Control                       | US      |            |            | 14/252,868     | 4/15/2014   |
| 6583-553     | Travel Route Alteration Based on User Profile and Business                     | US      |            |            | 14/253,745     | 4/15/2014   |

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| 6583-554     | Travel Translation and Assistance Based on User Profile Data                    | US      |            |            | 14/253,752     | 4/15/2014   |
| 6583-555     | Travel Itinerary Based on User Profile Data                                     | US      |            |            | 14/253,729     | 4/15/2014   |
| 6583-556     | Vehicle Location-Based Home Automation Triggers                                 | US      |            |            | 14/252,934     | 4/15/2014   |
| 6583-556-PCT | Vehicle Location-Based Home Automation Triggers                                 | WO      |            |            | PCT/US14/34098 | 4/15/2014   |
| 6583-557     | Adjusting Home Automation Comfort Based on Vehicle Associated User Profile Data | US      |            |            | 14/253,243     | 4/15/2014   |
| 6583-558     | Providing Home Automation Information via Communication with a Vehicle          | US      |            |            | 14/252,978     | 4/15/2014   |
| 6583-559     | Vehicle Initiated Communications with Third Parties via Virtual Personality     | US      |            |            | 14/253,023     | 4/15/2014   |
| 6583-559-PCN | Vehicle Initiated Communications with Third Parties Via Virtual Personality     | CN      |            |            | 201480001336.8 | 4/15/2014   |
| 6583-559-PCT | Vehicle Initiated Communications with Third Parties Via Virtual Personality     | WO      |            |            | PCT/US14/34108 | 4/15/2014   |
| 6583-559-PEP | Vehicle Initiated Communications with Third Parties Via Virtual Personality     | EP      |            |            | 14766878.4     | 4/15/2014   |
| 6583-560     | Guest Vehicle User Reporting                                                    | US      |            |            | 14/252,871     | 4/15/2014   |
| 6583-561     | Customization of Vehicle Controls and Settings Based on User Profile Data       | US      |            |            | 14/253,204     | 4/15/2014   |
| 6583-562     | Vehicle Intruder Alert Detection and Indication                                 | US      |            |            | 14/253,099     | 4/15/2014   |
| 6583-562-PCN | Vehicle Intruder Alert Detection and Indication                                 | CN      |            |            | 201480001264.7 | 4/15/2014   |
| 6583-562-PCT | Vehicle Intruder Alert Detection and Indication                                 | WO      |            |            | PCT/US14/34101 | 4/15/2014   |
| 6583-562-PEP | Vehicle Intruder Alert Detection and Indication                                 | EP      |            |            | 14766879.2     | 4/15/2014   |

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| 6583-563     | Vehicle Damage Detection and Indication                                        | US      |            |            | 14/253,330     | 4/15/2014   |
| 6583-564     | Vehicle Maintenance and Warranty Compliance Detection                          | US      |            |            | 14/253,351     | 4/15/2014   |
| 6583-565     | Driver Facts Behavior Information Storage System                               | US      |            |            | 14/252,858     | 4/15/2014   |
| 6583-565-PCT | Driver Facts Behavior Information Storage System                               | WO      |            |            | PCT/US14/34103 | 4/15/2014   |
| 6583-566     | Vehicle and Device Software Updates Propagated via Viral Communication Contact | US      |            |            | 14/253,034     | 4/15/2014   |
| 6583-567     | Synchronization Between Vehicle and User Device Calendar                       | US      |            |            | 14/253,405     | 4/15/2014   |
| 6583-567-PCT | Synchronization Between Vehicle and User Device Calendar                       | WO      |            |            | PCT/US14/34114 | 4/15/2014   |
| 6583-568     | Parental Control over Vehicle Features and Child Alert System                  | US      |            |            | 14/252,876     | 4/15/2014   |
| 6583-569     | User Gesture Control of Vehicle Features                                       | US      |            |            | 14/253,321     | 4/15/2014   |
| 6583-569-PCT | User Gesture Control of Vehicle Features                                       | WO      |            |            | PCT/US14/34125 | 4/15/2014   |
| 6583-570     | Storing User Gestures in a User Profile Data Template                          | US      |            |            | 14/253,226     | 4/15/2014   |
| 6583-571     | Control of Vehicle Features Based on User Recognition and Identification       | US      |            |            | 14/253,492     | 4/15/2014   |
| 6583-574     | Central Network for the Automated Control of Vehicular Traffic                 | US      |            |            | 14/253,838     | 4/15/2014   |
| 6583-574-PCN | Central Network for the Automated Control of Vehicular Traffic                 | CN      |            |            | 201480001328.3 | 4/15/2014   |
| 6583-574-PCT | Central Network for the Automated Control of Vehicular Traffic                 | WO      |            |            | PCT/US14/34254 | 4/15/2014   |
| 6583-574-PEP | Central Network for the Automated Control of Vehicular Traffic                 | EP      |            |            | 14/253,838     | 4/15/2014   |

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| 6583-585     | Vehicle-Based Multimode Discovery                                                                        | US      | 9,020,697  | 4/28/2015  | 14/253,312     | 4/15/2014   |
| 6583-585-CON | Vehicle-Based Multimode Discovery                                                                        | US      |            |            | 14/684,856     | 4/13/2015   |
| 6583-585-PCT | Intelligent Vehicle for Assisting Vehicle Occupants and Incorporating Vehicle Crate for Blade Processors | WO      |            |            | PCT/US14/34194 | 4/15/2014   |
| 6583-586     | Simultaneous Video Streaming Across Multiple Channels                                                    | US      |            |            | 14/253,334     | 4/15/2014   |
| 6583-587     | Providing Gesture Control of Associated Vehicle Functions across Vehicle Zones                           | US      |            |            | 14/253,476     | 4/15/2014   |
| 6583-588     | Remote Control of Associated Vehicle Devices                                                             | US      |            |            | 14/253,371     | 4/15/2014   |
| 6583-589     | Splitting Mission Critical Systems and Infotainment between Operating Systems                            | US      |            |            | 14/253,393     | 4/15/2014   |
| 6583-590     | Health Statistics and Communications of Associated Vehicle Users                                         | US      |            |            | 14/253,233     | 4/15/2014   |
| 6583-591     | Automatic Communication of Damage and Health in Detected Vehicle Incidents                               | US      |            |            | 14/253,376     | 4/15/2014   |
| 6583-594     | Positional Based Movements and Accessibility of Features Associated with a Vehicle                       | US      |            |            | 14/253,396     | 4/15/2014   |
| 6583-595     | VEHICLE ZONE-BASED INTELLIGENT CONSOLE DISPLAY SETTINGS                                                  | US      |            |            | 14/253,416     | 4/15/2014   |
| 6583-596     | Universal Vehicle Voice Command System                                                                   | US      |            |            | 14/253,435     | 4/15/2014   |
| 6583-597     | Multi-Vehicle Shared Communications Network and Bandwidth                                                | US      |            |            | 14/253,446     | 4/15/2014   |
| 6583-598     | Vehicle to Vehicle Social and Business Communications                                                    | US      |            |            | 14/253,048     | 4/15/2014   |

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| 6583-599      | Automatic Device and Vehicle Pairing via Detected Emitted Signals                         | US      |            |            | 14/253,424 | 4/15/2014   |
| 6583-600      | Shared Navigational Information between Vehicles                                          | US      |            |            | 14/253,058 | 4/15/2014   |
| 6583-601      | Vehicle to Vehicle Safety and Traffic Communications                                      | US      |            |            | 14/253,006 | 4/15/2014   |
| 6583-602      | Configurable Dash Display Based on Detected Location and Preferences                      | US      |            |            | 14/253,022 | 4/15/2014   |
| 6583-603      | Control of Vehicle Features Based on Weather and Location Data                            | US      |            |            | 14/253,060 | 4/15/2014   |
| 6583-604      | Automatic Payment of Fees Based on Vehicle Location and User Detection                    | US      |            |            | 14/253,135 | 4/15/2014   |
| 6583-605      | Universal Vehicle Notification System                                                     | US      |            |            | 14/253,486 | 4/15/2014   |
| 6583-607      | Infotainment System Based on User Profile                                                 | US      |            |            | 14/253,251 | 4/15/2014   |
| 6583-608      | Vehicle Occupant Impairment Assisted Vehicle                                              | US      |            |            | 14/253,426 | 4/15/2014   |
| 6583-609      | Automatic Vehicle Diagnostic Detection and Communication                                  | US      |            |            | 14/253,388 | 4/15/2014   |
| 6583-610      | Vehicle Diagnostic Detection through Sensitive Vehicle Skin                               | US      |            |            | 14/253,406 | 4/15/2014   |
| 6583-611      | Information Shared between a Vehicle and User Devices                                     | US      |            |            | 14/253,464 | 4/15/2014   |
| 6583-614      | Communication of Automatically Generated Shopping List to Vehicles and Associated Devices | US      |            |            | 14/253,755 | 4/15/2014   |
| 6583-615      | Pedestrian Monitoring Application                                                         | US      |            |            | 14/253,015 | 4/15/2014   |
| 6583-616-PROV | Method and System for Providing Infotainment in a Vehicle                                 | US      |            |            | 61/926,749 | 1/13/2014   |
| 6583-619      | Proactive Machine Learning in a Vehicular Environment                                     | US      |            |            | 14/253,727 | 4/15/2014   |

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| 6583-620        | Facial Recognition Database Created from Social Networking Sites                   | US      |            |            | 14/253,199 | 4/15/2014   |
| 6583-621        | Automatic Camera Image Retrieval Based on Route Traffic and Conditions             | US      |            |            | 14/253,067 | 4/15/2014   |
| 6583-622        | Automatic Alert Sent to User Based on Host Location Information                    | US      |            |            | 14/253,144 | 4/15/2014   |
| 6583-623        | Radar Sensing and Emergency Response Vehicle Detection                             | US      |            |            | 14/253,078 | 4/15/2014   |
| 6583-623-CIP    | Radar Sensing and Emergency Response Vehicle Detection                             | US      |            |            | 14/543,535 | 11/17/2014  |
| 6583-623-PROV   | Radar Sensing and Emergency Response Vehicle Detection                             | US      |            |            | 62/076,330 | 11/6/2014   |
| 6583-624        | Vehicle Diagnostics and Roadside Assistance                                        | US      |            |            | 14/253,423 | 4/15/2014   |
| 6583-625        | Detection and Reporting of Individuals Outside of a Vehicle                        | US      |            |            | 14/253,091 | 4/15/2014   |
| 6583-626        | Destination and Travel Information Application                                     | US      |            |            | 14/253,743 | 4/15/2014   |
| 6583-627        | Shopping Cost and Travel Optimization Application                                  | US      |            |            | 14/253,766 | 4/15/2014   |
| 6583-628        | Configuration of Haptic Feedback and Visual Preferences in Vehicle User Interfaces | US      |            |            | 14/253,470 | 4/15/2014   |
| 6583-629        | Customization of Vehicle User Interfaces Based on User Intelligence                | US      |            |            | 14/253,341 | 4/15/2014   |
| 6583-637        | Intelligent Vehicle for Assisting Vehicle Occupants                                | US      |            |            | 14/253,506 | 4/15/2014   |
| 6583-638        | Vehicle Crate for Blade Processors                                                 | US      |            |            | 14/253,526 | 4/15/2014   |
| 6583-640-PROV   | Network Connected Vehicle and Associated Controls                                  | US      |            |            | 62/046,517 | 9/5/2014    |
| 6583-640-PROV-2 | Network Connected Vehicle and Associated Controls                                  | US      |            |            | 62/054,166 | 9/23/2014   |

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| 6583-650-PROV | Vehicle and Occupant Application<br>Integration | US      |            |            | 62/130,236 | 3/9/2015    |
| 6583-651-PROV | Vehicle Supervising of Occupant<br>Applications | US      |            |            | 62/130,261 | 3/9/2015    |

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