

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2741023

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | PATENT ASSIGNMENT AGREEMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| QUALCOMM INCORPORATED | 11/22/2013 |
| RECEIVING PARTY DATA | |
| Name: | OMNITRACS, INC. |
| Street Address: | 5775 MOREHOUSE DRIVE |
| City: | SAN DIEGO |
| State/Country: | CALIFORNIA |
| Postal Code: | 92121 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Patent Number: | 7999702 |
| CORRESPONDENCE DATA | |
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| Correspondent Name: | ARENT FOX LLP |
| Address Line 1: | 1717 K STREET, N.W. |
| Address Line 4: | WASHINGTON, DISTRICT OF COLUMBIA 20036 |
| ATTORNEY DOCKET NUMBER: | 035380.00094 |
| NAME OF SUBMITTER: | JAMES J. BINDSEIL, REG. NO. 42326 |
| Signature: | /James J. Bindseil/ |
| Date: | 02/25/2014 |
| Total Attachments: 26 | |

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PATENT ASSIGNMENT AGREEMENT

This Patent Assignment Agreement (this "Agreement") is entered into on November 22, 2013 (the "Effective Date") by QUALCOMM Incorporated ("QUALCOMM"), a Delaware corporation located at 5775 Morehouse Drive, San Diego, CA 92121, and Omnitrac, Inc. ("Omnitrac"), a Delaware corporation located at 5775 Morehouse Drive, San Diego, CA 92121. QUALCOMM and Omnitrac are referred to herein individually as a "Party" and collectively as the "Parties".

RECITALS

QUALCOMM and Omnitrac desire to set forth in this Agreement the terms and conditions regarding the assignment to Omnitrac of those issued patents and patent applications expressly identified in Exhibit A attached hereto (collectively, the "Transferred Patents").

NOW, THEREFORE, in consideration of the mutual promises set forth in this Agreement, the Parties agree as follows:

AGREEMENT

ARTICLE 1

ASSIGNMENT OF TRANSFERRED PATENTS

QUALCOMM hereby transfers and assigns to Omnitrac all of QUALCOMM's ownership right, title, and interest in and to the Transferred Patents. The foregoing transfer and assignment to Omnitrac includes, without limitation, all rights of enforcement, all claims for damages and all remedies arising out of, relating to or resulting from any such Transferred Patents or any infringements thereof, whether accrued prior to the Effective Date or hereafter, including but not limited to the right to sue for, seek, collect, recover and retain damages and any other relief arising out of or resulting from any past, present or future infringement of any such Transferred Patents, subject to the terms and encumbrances set forth in Article 2.

ARTICLE 2

NO EFFECT ON PREVIOUSLY-GRANTED RIGHTS

Omnitrac acknowledges and agrees to the following:

- (a) The transfer and assignment of the Transferred Patents in accordance with ARTICLE 1 (ASSIGNMENT OF TRANSFERRED PATENTS) does not affect (and nothing in this Agreement is intended to affect) any license rights, covenants (including without limitation covenants not to assert or covenants to exhaust remedies), or other immunities from litigation under, in, or with respect to the Transferred Patents that are or were granted, assumed or otherwise entered into prior to the sale and assignment of the Transferred Patents hereunder (collectively, the "Prior Licenses"), and the Transferred Patents shall remain subject to and encumbered by all such Prior Licenses after such sale and assignment as if Omnitrac had granted such Prior Licenses.

Without limiting the generality of the foregoing, Omnitrac agrees and acknowledges that the Prior Licenses include without limitation those patent license agreements that have been granted to third parties (each, a "Third-Party Licensee") by QUALCOMM as part of QUALCOMM's general patent licensing program, and that after the transfer and assignment of the Transferred Patents, each such Third-Party Licensee shall continue to have the licenses granted under the applicable patent license and each such Third-Party Licensee is a third party beneficiary of this Article.

- (b) QUALCOMM and each of its Affiliates reserves and retains all rights to past, present, and future royalties and other consideration given or to be given in exchange for any license, sublicense, covenant, immunity from litigation, or other rights granted with respect to any Transferred Patent arising or accruing at any time under any agreements executed by QUALCOMM or its Affiliates prior to the Effective Date. QUALCOMM and each of its Affiliates further reserves and retains the right to obtain and receive all such royalties and other consideration arising out of or accruing under any license, sublicense, covenant, immunity from litigation, or other right granted by QUALCOMM or any of its Affiliates.
- (c) QUALCOMM or any of its Affiliates may have made or offered to make one or more of the Transferred Patents subject to express or implied licensing obligations of one or more standards bodies. Accordingly, Omnitrac acknowledges and agrees that the transfer and assignment of the Transferred Patents will be subject to, and Omnitrac will abide by, all such obligations.
- (d) QUALCOMM or any of its Affiliates may have contributed computer code to an open source project or otherwise made computer code subject to the obligations of an Open Source License (collectively, the "Computer Code"). To the extent that one or more claims of the Transferred Patents read on Computer Code, Omnitrac acknowledges and agrees that the Transferred Patents may be subject to the express or implied licensing obligations of an Open Source License. Accordingly, Omnitrac acknowledges and agrees that the transfer and assignment of the Transferred Patents will be subject to, and Omnitrac will abide by, all obligations of any Open Source License governing such Computer Code.

ARTICLE 3 NO IMPLIED RIGHTS

Except for the transfer and assignment of Transferred Patents to Omnitrac under ARTICLE 1 (ASSIGNMENT OF TRANSFERRED PATENTS), this Agreement does not transfer, assign, grant or convey to any Party any rights or licenses, whether express, implied, by way of estoppel or otherwise, under any patents or other intellectual property rights.

**ARTICLE 4
FURTHER ASSURANCES**

With respect to each Transferred Patent transferred and assigned to Omnitrac under this Agreement, at Omnitrac's request, QUALCOMM will provide reasonable cooperation to the extent necessary to assist Omnitrac in recording and perfecting its ownership interest in each such Transferred Patent.

**ARTICLE 5
GOVERNING LAW**

This Agreement is entered into in San Diego, California, and shall be governed by and construed in accordance with the laws of the State of California, United States of America, as if performed wholly within the State of California and without giving effect to any principles of conflicts of law that would result in the application of the laws of a different jurisdiction. Any dispute, claim or controversy arising out of or relating to this Agreement, or the breach or validity hereof, shall be adjudicated only by a court of competent jurisdiction located in the county of San Diego, State of California.

**ARTICLE 6
GENERAL PROVISIONS**

6.1 Headings. All headings used in this Agreement are inserted for convenience only and are not intended to affect the meaning or interpretation of any portion of this Agreement.

6.2 Counterparts. This Agreement may be executed in one or more counterparts, all of which shall be considered one and the same agreement, and shall become effective when one or more counterparts have been signed by each Party hereto and delivered to the other Parties hereto. Each Party may execute this Agreement by facsimile, stamp or mechanical signature. Each Party expressly adopts and confirms each such facsimile, stamp or mechanical signature made in its respective name as if it were a manual signature, agrees that it will not assert that any such signature is not adequate to bind such Party to the same extent as if it were signed manually and agrees that at the reasonable request of the other Party at any time it will as promptly as reasonably practicable cause this Agreement to be manually executed (any such execution to be effective as of the date of the initial date hereof or thereof). Furthermore, delivery of an executed signature page (whether executed manually or with a facsimile, stamp or mechanical signature) of this Agreement by facsimile or electronic transmission shall be effective as delivery of a manually executed counterpart hereof.

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IN WITNESS WHEREOF, the Parties hereto have caused this Patent Assignment Agreement to be effective as of the Effective Date.

QUALCOMM Incorporated, a Delaware corporation located at 5775 Morehouse Drive, San Diego, CA 92121

By: 
Name: Derek K. Aberle
Title: Executive Vice President

Signature page to Patent Assignment Agreement

PATENT
REEL: 032332 FRAME: 0870

Omnitracs, Inc. , a Delaware corporation
located at 5775 Morehouse Drive, San Diego,
CA 92121

By: DH Civalo
Name: David Arnold
Title: Chief Counsel

Signature page to Patent Assignment Agreement

EXHIBIT A
TRANSFERRED PATENTS

Exhibit A to Patent Assignment Agreement

Exhibit A to Patent Assignment Agreement

| Discipline Number | Docket Number | Application Title | National Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|--|---------------------|--------------------|---------------|--------------|------------|----------------------------|
| 000070DF | 000070 | Battery charging system employing multi-mode low power fast charge process | 19-Jun-03 | 09/597,889 | Granted | 6,215,282 | 10-Apr-01 | United States |
| 000161DF | 000161CA | Cargo sensing system and method | 10-Oct-02 | 2406218 | Granted | 2406218 | 2-Apr-13 | Canada |
| 000181DF | 000181MX | Cargo sensing system and method | 14-Oct-02 | PA/a/2002/010150 | Granted | 226415 | 23-Feb-05 | Mexico |
| 000181DF | 000181 | Cargo sensing system and method | 14-Apr-00 | 09/539,813 | Granted | 5,437,792 | 20-Aug-02 | United States |
| 000181DF | 000181BR | Cargo sensing system and method | 11-Oct-02 | PI0110004-1 | Filed | | | Brazil |
| 000227DF | 000227 | Lock and Release Mechanism for a Wireless Device | 5-Jun-00 | 09/537,685 | Granted | 7,072,689 | 4-Jul-06 | United States |
| 000387DF | 000387MX | Battery monitoring system with low power and end-of-life messaging and shutdown | 20-Jan-03 | PA/a/2003/000545 | Inactive | 245679 | 7-May-07 | Mexico |
| 000387DF | 000387 | Battery monitoring system with low power and end-of-life messaging and shutdown Method and Apparatus for Providing a Proof of Delivery Verification for Freight Transportation Systems | 20-Jul-00 | 09/619,863 | Granted | 7,024,321 | 4-Apr-06 | United States |
| 010063DF | 010063CA | Method and Apparatus for Providing a Proof of Delivery Verification for Freight Transportation Systems | 29-Aug-03 | 2439720 | Filed | | | Canada |
| 010063DF | 010063 | Method and Apparatus for Providing a Proof of Delivery Verification for Freight Transportation Systems | 2-Mar-01 | 09/796,481 | Granted | 6,922,133 | 26-Jul-05 | United States |
| 010063DF | 010063CI | Method and Apparatus for Providing a Proof of Delivery Verification for Freight Transportation Systems | 20-Apr-05 | 31,111,082 | Granted | 7,242,279 | 10-Jul-07 | United States |
| 010063DF | 010063HK | Method and Apparatus for Providing a Proof of Delivery Verification for Freight Transportation Systems | 25-May-04 | 04103749.4 | Inactive | | | Hong Kong |
| 010063DF | 010063BR | Method and Apparatus for Providing a Proof of Delivery Verification for Freight Transportation Systems | 1-Sep-03 | PI0207797-3 | Inactive | | | Brazil |
| 010063DF | 010063EP | Method and apparatus for providing a proof of delivery verification for freight transportation systems | 29-Aug-03 | 02709636.9 | Filed | | | European Patent Convention |
| 010063DF | 010063MX | Method and Apparatus for Providing a Proof of Delivery Verification for Freight Transportation Systems | 2-Sep-03 | PA/a/2003/007917 | Granted | 241061 | 13-Oct-05 | Mexico |
| 010187DF | 010187CA | Electronic locking device and method of operating same | 28-Aug-03 | 2439614 | Granted | 2439614 | 15-Nov-11 | Canada |
| 010187DF | 010187 | Electronic Locking Device and Method of Operating Same | 2-Mar-01 | 09/796,363 | Granted | 6,776,068 | 17-Aug-04 | United States |
| 010187DF | 010187HK | Electronic Locking Device and Method of Operating Same | 24-May-04 | 04103678.9 | Inactive | | | Hong Kong |
| 010187DF | 010187EP | Electronic Locking Device and Method of Operating Same | 29-Aug-03 | 027096378.3 | Inactive | | | European Patent Convention |
| 010187DF | 010187MX | Electronic Locking Device and Method of Operating Same | 2-Sep-03 | PA/a/2003/007918 | Granted | 247003 | 4-Jul-07 | Mexico |
| 010187DF | 010187BR | Electronic Locking Device and Method of Operating Same | 1-Sep-03 | PI0207795-5 | Filed | | | Brazil |
| 010188DF | 010188CA | Method and Apparatus for Providing Virtual Capacity to a Provider of Services | 28-Apr-04 | 2465226 | Filed | | | Canada |

Exhibit A to Patent Assignment Agreement

| Disclosure Number | Docket Number | Application Title | National Filing Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|---|----------------------|--------------------|---------------|--------------|------------|----------------------------|
| 0201441DF | 0201441DF | Auto-fill Message Fields in a Communication Terminal | 27-Mar-13 | 03709092.5 | Granted | EP1481486 | 27-Mar-13 | Germany |
| 0201442DF | 0201442DF | Auto-fill Message Fields in a Communication Terminal | 2-Sep-04 | 03709092.5 | Granted | EP1481486 | 27-Mar-13 | European Patent Convention |
| 0201443DF | 0201443DF | Auto-fill Message Fields in a Communication Terminal | 27-Mar-13 | 03709092.5 | Granted | EP1481486 | 27-Mar-13 | Italy |
| 0201444DF | 0201444DF | Auto-fill Message Fields in a Communication Terminal | 27-Mar-13 | 03709092.5 | Granted | EP1481486 | 27-Mar-13 | Great Britain |
| 0201445DF | 0201445DF | Auto-fill Message Fields in a Communication Terminal | 27-Mar-13 | 03709092.5 | Granted | EP1481486 | 27-Mar-13 | Netherlands |
| 0201446DF | 0201446DF | Auto-fill Message Fields in a Communication Terminal | 27-Mar-13 | 03709092.5 | Granted | EP1481486 | 27-Mar-13 | France |
| 0201447DF | 0201447DF | Auto-fill Message Fields in a Communication Terminal | 27-Mar-13 | 03709092.5 | Inactive | 001451486 | 27-Mar-13 | Luxembourg |
| 0201448DF | 0201448DF | Auto-fill Message Fields in a Communication Terminal | 27-Mar-13 | 03709092.5 | Inactive | EP1481486 | 27-Mar-13 | Monaco |
| 0201449DF | 0201449DF | Auto-fill Message Fields in a Communication Terminal | 27-Mar-13 | 03709092.5 | Inactive | 09481486 | 27-Mar-13 | Switzerland |
| 0201450DF | 0201450DF | Auto-fill Message Fields in a Communication Terminal | 27-Mar-13 | 03709092.5 | Inactive | 1481486 | 27-Mar-13 | Ireland |
| 0202970DF | 0202970MX | Method and apparatus for determining propagation delays for use in wide area networks | 3-Aug-05 | PA/a/2005/008295 | Granted | 255947 | 7-May-08 | Mexico |
| 0202971DF | 0202971C1 | Method and Apparatus for Determining Propagation Delays for Use in Wide Area Networks | 12-Dec-11 | 137523482 | Granted | 8463194 | 11-Jun-13 | United States |
| 0202972DF | 020297 | Method and apparatus for determining propagation delays for use in wide area networks | 3-Feb-03 | 107357834 | Granted | 7363009 | 22-Apr-08 | United States |
| 0202973DF | 02029731 | Method and apparatus for determining propagation delays for use in wide area networks | 4-Mar-08 | 127047127 | Granted | 8078114 | 13-Dec-11 | United States |
| 0202974DF | 0202974IN | Method and Apparatus for Providing a Hazardous Material Alert | 3-Aug-05 | 1795/CHEMP/2005 | Inactive | 223326 | 9-Sep-08 | India |
| 0203340DF | 0203340MX | Method and apparatus for providing a hazardous material alert | 15-Mar-06 | PA/a/2006/002960 | Inactive | | | Mexico |
| 0203341DF | 0203341C1 | Method and apparatus for providing a hazardous material alert | 13-Feb-12 | 137371965 | Granted | 8427290 | 23-Apr-13 | United States |
| 0203342DF | 0203342 | Method and apparatus for providing a hazardous material alert | 16-Sep-03 | 107663405 | Granted | 8115603 | 14-Feb-12 | United States |
| 0203343DF | 0203343HK | Method and Apparatus for Providing a Hazardous Material Alert | 15-Nov-06 | 06112569.0 | Filed | | | Hong Kong |
| 0203344DF | 0203344BR | Method and Apparatus for Providing a Hazardous Material Alert | 15-Mar-06 | P10414429.5 | Filed | | | Brazil |
| 0203345DF | 0203345DE | Method and apparatus for providing a hazardous material alert | 27-Nov-08 | 602004018662.7 | Granted | EP1665172 | 27-Nov-08 | Germany |
| 0203346DF | 0203346EP | Method and apparatus for providing a hazardous material alert | 15-Mar-06 | 04788670.0 | Granted | EP1665172 | 27-Nov-08 | European Patent Convention |
| 0203347DF | 0203347GB | Method and apparatus for providing a hazardous material alert | 27-Nov-08 | 04788670.0 | Granted | EP1665172 | 27-Nov-08 | Great Britain |
| 0203348DF | 0203348FR | Method and apparatus for providing a hazardous material alert | 27-Nov-08 | 04788670.0 | Inactive | EP1665172 | 27-Nov-08 | France |
| 0203660DF | 0203660? | Vehicle security system and method | 7-Jul-09 | 127498731 | Filed | | | United States |
| 0203661DF | 0203661 | Vehicle security system and method | 29-Sep-03 | 107674041 | Filed | | | United States |
| 0203662DF | 0203662EP | Vehicle Security System and Method | 15-Feb-05 | 03785273.8 | Inactive | | | European Patent Convention |

Exhibit A to Patent Assignment Agreement

| Disclosure Number | Docket Number | Appellation Title | National Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|---|---------------------|--------------------|---------------|--------------|------------|----------------------------|
| 020368DF | 020368MX | Vehicle Security System and Method | 12-Aug-03 | PA/02/2005/001743 | Inactive | | | Mexico |
| 020517DF | 020517 | Apparatus and methods for speed management and control | 23-Feb-06 | 11/363,271 | Granted | 7,660,653 | 9-Feb-10 | United States |
| 020517DF | 020517IN | Apparatus and methods for speed management and control | 13-Aug-08 | 1749/MUMN/2008 | Filed | | | India |
| 020517DF | 020517ES | Apparatus and methods for speed management and control | 21-Dec-11 | 07757364.0 | Granted | EP1987502 | 21-Dec-11 | Spain |
| 020517DF | 020517DE | Apparatus and methods for speed management and control | 24-Dec-11 | 022807019528.4 | Granted | EP1987502 | 21-Dec-11 | Germany |
| 020517DF | 020517JP | Apparatus and methods for speed management and control | 15-Aug-08 | 07757364.0 | Granted | EP1987502 | 21-Dec-11 | European Patent Convention |
| 020517DF | 020517EPD1 | Apparatus and methods for speed management and control | 11-Jul-11 | 11173469.5 | Filed | | | European Patent Convention |
| 020517DF | 020517IT | Apparatus and methods for speed management and control | 24-Dec-11 | 07757364.0 | Granted | EP1987502 | 21-Dec-11 | Italy |
| 020517DF | 020517GB | Apparatus and methods for speed management and control | 21-Dec-11 | 07757364.0 | Granted | EP1987502 | 21-Dec-11 | Great Britain |
| 020517DF | 020517FR | Apparatus and methods for speed management and control | 21-Dec-11 | 07757364.0 | Granted | EP1987502 | 21-Dec-11 | France |
| 020517DF | 020517TW | Apparatus and Methods for Speed Management and Control | 26-Feb-07 | 096406535 | Inactive | | | Taiwan |
| 020517DF | 020517JP | Apparatus and methods for speed management and control | 25-Aug-08 | 2008-356549 | Inactive | | | Japan |
| 020517DF | 020517CN | Apparatus and methods for speed management and control | 20-Aug-08 | 200780005024.5 | Inactive | | | China P.R. |
| 020523DF | 020523MX | Method and apparatus for detecting communication network delays | 5-Sep-05 | PA/02/2005/009464 | Granted | 257447 | 28-May-08 | Mexico |
| 020523DF | 020523 | Method and Apparatus for Detecting Communication Network Delays | 4-Mar-03 | 107382,194 | Granted | 6,810,235 | 26-Oct-04 | United States |
| 020523DF | 020523RU | Method and apparatus for detecting communication network delays | 3-Oct-05 | 2005190635 | Granted | 2340102 | 27-Nov-08 | Russian Federation |
| 020523DF | 020523BR | Method and Apparatus for Detecting Communication Network Delays | 5-Sep-05 | PI0408074-2 | Filed | | | Brazil |
| 020523DF | 020523EP | Method and Apparatus for Detecting Communication Network Delays | 16-Sep-05 | 04717469.3 | Inactive | | | European Patent Convention |
| 020531DF | 020531 | Multi-resolution frequency tracking loop system and method | 3-Dec-02 | 107309,545 | Granted | 7,751,508 | 6-Jul-10 | United States |
| 020531DF | 020530 | Driver Interface Unit (DUI) | 28-Feb-03 | 29175,664 | Granted | 0495,322 | 31-Aug-04 | United States |
| 030062DF | 030062 | Method and apparatus for providing a personal security system | 27-Mar-03 | 10402,592 | Granted | 7,561,028 | 14-Jul-09 | United States |
| 030062DF | 030062KR | Method and apparatus for providing a personal security system | 27-Sep-05 | 2005-7018269 | Inactive | | | Republic of Korea |
| 030062DF | 030062BR | Method and Apparatus for Providing a Personal Security System | 26-Sep-05 | PI0408781-0 | Filed | | | Brazil |
| 030062DF | 030062IN | Method and apparatus for providing a personal security system | 26-Sep-05 | 2413/CHENP/2005 | Inactive | 229101 | 13-Feb-09 | India |

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| Disclosure Number | Docket Number | Application Title | National Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|---|---------------------|--------------------|---------------|--------------|------------|----------------------------|
| 0300621DF | 0300625S | Method and Apparatus for Providing a Personal Security System | 26-Sep-05 | 100506190-8 | Inactive | 116795 | 31-Oct-07 | Singapore |
| 0300621DF | 0300628L | Method and apparatus for providing a personal security system | 25-Sep-05 | 171080 | Filed | | | Israel |
| 0301791DF | 0301792 | radiating coaxial cable for a conformable antenna pattern | 27-Jun-06 | 11/477,104 | Granted | 7,714,719 | 11-May-10 | United States |
| 0302991DF | 03029901 | System for providing a virtual vehicle boundary | 16-Jun-06 | 11/448,344 | Granted | 7,612,668 | 3-Nov-09 | United States |
| 0302991DF | 0302999 | System for Providing a Virtual Vehicle Boundary | 25-Jul-03 | 10/627,531 | Granted | 7,377,250 | 5-Feb-08 | United States |
| 0304341DF | 030434 | Method and apparatus for dynamic control of engine settings in a delivery vehicle | 29-Mar-06 | 11/394,060 | Filed | | | United States |
| 0305211DF | 0305217W | Self-correcting mobile antenna control system and method | 9-Jun-05 | 094319152 | Granted | 6551537 | 1-Apr-11 | Taiwan |
| 0305211DF | 030521 | Self-Correcting Mobile Antenna Control System and Method | 9-Jun-04 | 10/869,944 | Granted | 6,972,724 | 16-Dec-05 | United States |
| 0305211DF | 030521MX | Self-Correcting Mobile Antenna Control System and Method | 8-Jun-05 | PA/02006/014311 | Inactive | | | Mexico |
| 0305211DF | 030521HK | Self-correcting mobile antenna control system and method | 28-Aug-07 | 07109394.5 | Inactive | | | Hong Kong |
| 0305211DF | 030521RU | Self-correcting mobile antenna control system and method | 9-Jan-07 | 2007100348 | Inactive | 2353028 | 20-Apr-09 | Russian Federation |
| 0305211DF | 030521EP | Self-correcting mobile antenna control system and method | 8-Jan-07 | 0670987.7 | Filed | | | European Patent Convention |
| 0305211DF | 03052106 | Wireless device caching data proxy | 14-Jun-07 | 11/769,164 | Filed | | | United States |
| 0400091DF | 040009MX | Methods and apparatus for detecting local maximums in a two-dimensional data set | 20-Dec-06 | PA/02006/012142 | Inactive | | | Mexico |
| 0400091DF | 040009 | Methods and Apparatus for Detecting Local Maximums in a Two-Dimensional Data Set | 23-Apr-04 | 10/830,187 | Granted | 7,469,899 | 9-Dec-08 | United States |
| 0400091DF | 040009HK | Methods and apparatus for detecting local maximums in a two-dimensional data set | 9-Jul-07 | 07407311.0 | Inactive | | | Hong Kong |
| 0400091DF | 040009EP | Methods and apparatus for detecting local maximums in a two-dimensional data set | 20-Oct-05 | 05733343.9 | Inactive | | | European Patent Convention |
| 0403901DF | 040390 | Device for sensing tractor trailer connection sensor for detecting whether a tractor and a trailer of a truck are connected | 24-Aug-06 | 11/510,053 | Granted | 7,619,506 | 17-Nov-09 | United States |
| 0403901DF | 04039008 | Sensor for detecting whether a tractor and a trailer of a truck are connected | 21-Mar-08 | 10-2008-7006892 | Inactive | | | Republic of Korea |
| 0403901DF | 040390JP | Trailer of a truck are connected sensor for detecting whether a tractor and a trailer of a truck are connected | 25-Feb-08 | 2008-528190 | Inactive | | | Japan |
| 0403901DF | 040390IN | Trailer of a truck are connected sensor for detecting whether a tractor and a trailer of a truck are connected | 19-Mar-08 | 523/NAINMP/2008 | Inactive | | | India |

Exhibit A to Patent Assignment Agreement

| Disclosure Number | Docket Number | Application Title | National Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|--|---------------------|--------------------|---------------|--------------|------------|----------------------------|
| 0403901DF | 040390EP | Sensor for detecting whether a tractor and a trailer of a truck are connected | 14-Mar-08 | 06802331.6 | Inactive | | | European Patent Convention |
| 0404410DF | 040441 | Digital over-the-air keying system | 1-Dec-08 | 127282.716 | Filed | | | United States |
| 0405951DF | 040595RMX | System for Message Delivery to Field Personnel | 24-May-07 | MX/a/2007/006289 | Inactive | | | Mexico |
| 0406961DF | 040696 | System for message delivery to field personnel | 24-Nov-04 | 107997.137 | Granted | 7,990,964 | 2-Aug-11 | United States |
| 0406968DF | 040696HK | System for message delivery to field personnel | 10-Jan-08 | 08100559.7 | Inactive | | | Hong Kong |
| 0406968DF | 040696BR | System for Message Delivery to Field Personnel | 23-May-07 | PI0518260-3 | Inactive | | | Brazil |
| 0406961DF | 040696EP | System for message delivery to field personnel | 24-May-07 | 05849337.0 | Inactive | | | European Patent Convention |
| 0408291DF | 040829 | Method and Apparatus for Detecting Cargo State in a Delivery Vehicle | 2-Mar-05 | 111670.762 | Granted | 7,339,460 | 4-Mar-08 | United States |
| 0408291DF | 040829EP | Method and apparatus for detecting cargo state in a delivery vehicle | 18-Sep-07 | 06758172.8 | Inactive | | | European Patent Convention |
| 0408291DF | 040829HK | Method and Apparatus for Detecting Cargo State in a Delivery Vehicle | 29-Aug-08 | 08109616.7 | Inactive | | | Hong Kong |
| 0408291DF | 040829RU | Method and apparatus for detecting cargo state in a delivery vehicle | 1-Oct-07 | 2007136793 | Inactive | | | Russian Federation |
| 0408291DF | 040829AU | Method and apparatus for detecting cargo state in a delivery vehicle | 3-Sep-07 | 2006227897 | Inactive | | | Australia |
| 0500921DF | 05009271 | Method and apparatus for interlocking communication and tracking applications in a wireless communication device | 9-Nov-10 | 127942.988 | Granted | 8,396,488 | 12-Mar-13 | United States |
| 0500921DF | 050092 | Method and apparatus for interlocking communication and tracking applications in a wireless communication device | 1-Feb-06 | 117345.943 | Granted | 7,853,771 | 14-Dec-10 | United States |
| 0500941DF | 050094 | Battery management system for determining battery charge sufficiency for a task | 1-Feb-06 | 117345.808 | Granted | 7,595,642 | 29-Sep-09 | United States |
| 0500951DF | 050095U1 | CDMA Wireless Untethered Trailer Tracking Terminal | 30-Sep-05 | 297239.517 | Granted | 9549,115 | 21-Aug-07 | United States |
| 0500951DF | 050095U2 | CDMA Wireless Untethered Trailer Tracking Terminal | 30-Sep-05 | 297239.516 | Granted | 9548,629 | 14-Aug-07 | United States |
| 0500951DF | 050095U3 | Structural Portions of a CDMA Wireless Untethered Trailer Tracking Terminal | 30-Sep-05 | 297239.523 | Granted | 9548,630 | 14-Aug-07 | United States |
| 0504231DF | 050423CA | Methods and apparatus for providing hours of service management | 20-Oct-06 | 2836396 | Granted | 2836396 | 26-Jun-12 | Canada |
| 0504231DF | 050423MX | Methods and apparatus for providing hours of service management | 15-Sep-08 | MX/a/2008/011402 | Granted | 286213 | 2-May-11 | Mexico |
| 0504231DF | 050423 | Methods and apparatus for providing hours of service management | 7-Mar-06 | 117370.600 | Granted | 7,616,105 | 10-Nov-09 | United States |
| 0504231DF | 050423EP | Methods and apparatus for providing hours of service management | 15-Sep-08 | 07798105.6 | Filed | | | European Patent Convention |
| 0505161DF | 050516 | Vehicle audio integrator | 24-Jul-06 | 117497.516 | Granted | 8,275,307 | 25-Sep-12 | United States |

Exhibit A to Patent Assignment Agreement

| Disclosure Number | Docket Number | Application Title | National Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|---|---------------------|--------------------|---------------|--------------|------------|----------------------------|
| 0505181DF | 0505181C1 | Method and apparatus for obtaining weather information from road-going vehicles | 8-Jul-11 | 13/179,407 | Filed | | | United States |
| 0505181DF | 0505181 | Method and apparatus for obtaining weather information from road-going vehicles | 2-Aug-06 | 13/498,971 | Granted | 7,999,702 | 16-Aug-11 | United States |
| 0506461DF | 050946 | System for providing dynamic group and service assignments | 1-Apr-05 | 13/097,664 | Filed | | | United States |
| 0506461DF | 0506465R | System for providing dynamic group and service assignments | 1-Oct-07 | P10607650-5 | Filed | | | Brazil |
| 0506461DF | 0506464N | System for providing dynamic group and service assignments | 3-Nov-07 | 7592/DELMP/2007 | Filed | | | India |
| 0506461DF | 0506465P | Service Assignments | 24-Oct-07 | 05740999.4 | Inactive | | | European Patent Convention |
| 0507321DF | 050732CA | Interactive control of access to services and capabilities of a mobile device | 15-Oct-09 | 2684187 | Granted | 2684187 | 9-Apr-13 | Canada |
| 0507321DF | 050732MR | Interactive control of access to services and capabilities of a mobile device | 28-Oct-09 | MX/a/2009/011677 | Inactive | | | Mexico |
| 0507321DF | 050732C1 | Interactive control of access to services and capabilities of a mobile device | 29-Feb-12 | 13/407,977 | Granted | 8,359,030 | 22-Jan-13 | United States |
| 0507321DF | 050732 | Interactive control of access to services and capabilities of a mobile device | 3-May-07 | 11/743,933 | Granted | 8,150,371 | 3-Apr-12 | United States |
| 0507321DF | 050732NR | Interactive control of access to services and capabilities of a mobile device | 3-Dec-09 | 10-3009-7025257 | Filed | | | Republic of Korea |
| 0507321DF | 050732IP | Interactive control of access to services and capabilities of a mobile device | 4-Nov-09 | 2010-507539 | Inactive | | | Japan |
| 0507321DF | 050732PP01 | Interactive control of access to services and capabilities of a mobile device | 21-Jun-12 | 2012-140045 | Filed | | | Japan |
| 0507321DF | 050732PD2 | Interactive control of access to services and capabilities of a mobile device | 18-Apr-13 | 3013-087502 | Filed | | | Japan |
| 0507321DF | 050732CN4K | Interactive control of access to services and capabilities of a mobile device | 29-Apr-10 | 10104199.9 | Inactive | | | Hong Kong |
| 0507321DF | 050732RU | Interactive control of access to services and capabilities of a mobile device | 2-Dec-09 | 2009144782 | Granted | 2441270 | 27-Jan-12 | Russian Federation |
| 0507321DF | 050732BR | Interactive control of access to services and capabilities of a mobile device | 3-Nov-09 | P10811482-0 | Filed | | | Brazil |
| 0507321DF | 050732IN | Interactive control of access to services and capabilities of a mobile device | 15-Oct-09 | 1579/AMUMAP/2009 | Filed | | | India |
| 0507321DF | 050732CN | Interactive control of access to services and capabilities of a mobile device | 29-Oct-09 | 200880014096.9 | Filed | | | China P.R. |
| 0507321DF | 050732EP | Interactive control of access to services and capabilities of a mobile device | 27-Nov-09 | 08754983.8 | Filed | | | European Patent Convention |
| 0507321DF | 050732PD1 | Interactive control of access to services and capabilities of a mobile device | 29-May-12 | 12169763.5 | Filed | | | European Patent Convention |
| 0507321DF | 050732VN | Interactive control of access to services and capabilities of a mobile device | 3-Dec-09 | 1-2009-07594 | Filed | | | Vietnam |
| 0507321DF | 050732IL | Interactive control of access to services and capabilities of a mobile device | 14-Oct-09 | 201570 | Inactive | | | Israel |
| 0507321DF | 050732ID | Interactive control of access to services and capabilities of a mobile device | 3-Dec-09 | 1W-00200903391 | Inactive | | | Indonesia |

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| Disclosure Number | Docket Number | Application Title | National Filing Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|--|----------------------|--------------------|---------------|--------------|------------|----------------------------|
| 050781DF | 050781CA | Method and apparatus for separable billing for business and personal airtime use | 4-Jan-10 | 2692684 | Filed | | | Canada |
| 050781DF | 050781 | Method and apparatus for separable voice billing for business and personal airtime use | 12-Jul-07 | 11/777,026 | Filed | | | United States |
| 050781DF | 050781KRD1 | Method and apparatus for separable billing for business and personal telecommunication connections | 12-Jun-12 | 10-2012-7015175 | Filed | | | Republic of Korea |
| 050781DF | 050781KR | Method and apparatus for separable billing for business and personal telecommunication connections | 12-Feb-10 | 10-2010-7009318 | Filed | | | Republic of Korea |
| 050781DF | 050781RU | Method and apparatus for separable billing for business and personal telecommunication connections | 11-Feb-10 | 2010104841 | Inactive | | | Russian Federation |
| 050781DF | 050781BR | Method and apparatus for separable billing for business and personal telecommunication connections | 11-Jan-10 | PI0824795-3 | Filed | | | Brazil |
| 050781DF | 050781IM | Method and apparatus for separable billing for business and personal telecommunication connections | 28-Dec-09 | 2403/AMUMMP/2009 | Filed | | | India |
| 050781DF | 050781EP | Method and apparatus for separable billing for business and personal telecommunication connections | 12-Feb-10 | 09826251-2 | Inactive | | | European Patent Convention |
| 050782DF | 050782 | Navigation data quality feedback | 1-Feb-06 | 11/245,977 | Granted | 3,024,114 | 20-Sep-11 | United States |
| 050811DF | 050811 | Wireless system for providing critical sensor alerts for equipment | 19-Sep-05 | 11/230,352 | Granted | 3,559,937 | 15-Oct-13 | United States |
| 050813DF | 050813RU | Wireless system for automatic ordering of maintenance parts for equipment | 18-Apr-06 | 2008115472 | Inactive | | | Russian Federation |
| 050813DF | 050813BR | Wireless system for automatic ordering of maintenance parts for equipment | 16-Mar-08 | PI0636312-2 | Inactive | | | Brazil |
| 050813DF | 050813MX | Wireless system for automatic ordering of maintenance parts for equipment | 19-Mar-08 | MX/3/2008/03892 | Inactive | | | Mexico |
| 050813DF | 050813 | Wireless system for automatic ordering of maintenance parts for equipment | 19-Sep-05 | 11/230,753 | Filed | | | United States |
| 050813DF | 050813EP | Wireless system for automatic ordering of maintenance parts for equipment | 19-Mar-06 | 05634992.1 | Inactive | | | European Patent Convention |
| 050825DF | 050825MX | Method and Apparatus for Asset Geofencing | 1-Aug-08 | MX/3/2008/009967 | Inactive | | | Mexico |
| 050825DF | 050825 | Method and apparatus for asset geofencing | 1-Feb-06 | 11/546,495 | Filed | | | United States |
| 050825DF | 050825EP | Method and Apparatus for Asset Geofencing | 2-Jul-08 | 07762810.5 | Inactive | | | European Patent Convention |
| 050826DF | 050826 | Method and apparatus for enhanced privacy while tracking mobile workers | 1-Feb-06 | 11/545,997 | Filed | | | United States |
| 050827DF | 050827 | Method and apparatus to signal rental asset use completion | 1-Feb-06 | 11/546,012 | Filed | | | United States |
| 050827DF | 050827KR01 | Method and apparatus to signal rental asset use completion | 7-Mar-11 | 10-2011-7005336 | Filed | | | Republic of Korea |
| 050827DF | 050827KR | Method and apparatus to signal rental asset use completion | 29-Aug-08 | 10-2008-7021255 | Filed | | | Republic of Korea |

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| Disclosure Number | Docket Number | Application Title | Material Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|--|---------------------|--------------------|---------------|---------------------|------------|---------------|
| 0508270F | 050827JP | Method and apparatus to signal rental asset use completion | 1-Aug-08 | 2008-553502 | Inactive | | | Japan |
| 0508270F | 050827IN | Method and apparatus to signal rental asset use completion | 21-Jul-08 | 1535/MLINNP/2008 | Filed | | | India |
| 0508280F | 050828C1 | Method and apparatus to indicate communication is wanted or waiting | 26-Oct-10 | 12/912,488 | Filed | | | United States |
| 0508280F | 050828 | Method and apparatus to indicate communication is wanted or waiting | 1-Feb-06 | 11/345,809 | Granted | 7,844,258 | 30-Nov-10 | United States |
| 0508380F | 050958 | GPS radome-mounted antenna assembly | 15-Sep-05 | 11/228,133 | Granted | 7,336,241 | 26-Feb-08 | United States |
| 0601710F | 060171CA_01 | Stealth antenna | 20-Jun-06 | 12,662,7 | Granted | 12,662,7 | 5-Jun-09 | Canada |
| 0601710F | 0601712CA | Stealth antenna | 28-Jul-06 | 11,683,38 | Filed | | | Canada |
| 0601710F | 0601711CA | Stealth antenna | 28-Jul-06 | 11,683,39 | Granted | 11,683,39 | 5-Jun-09 | Canada |
| 0601710F | 0601712MX | Ornamental design for stealth antenna | 28-Jul-06 | PA/72006/001457 | Granted | 25,094 | 5-Feb-08 | Mexico |
| 0601710F | 0601711MX | Ornamental design for stealth antenna | 28-Jul-06 | PA/72006/001458 | Granted | 25,083 | 5-Feb-08 | Mexico |
| 0601710F | 0601710HK | Ornamental design for stealth antenna | 31-Jul-06 | 0601999.4 | Granted | 0601999.4 | 23-May-08 | Hong Kong |
| 0601710F | 0601712HK | Ornamental design for stealth antenna | 31-Jul-06 | 0602000.8 | Filed | | | Hong Kong |
| 0601710F | 0601711CN | A stealth antenna | 31-Jul-06 | 200630131286.3 | Granted | 200630131286.3 | 7-May-08 | China P.R. |
| | | Establishing and securing a unique wireless RF link between a tractor and a trailer using a wired connection | 5-Jun-07 | 11,756,478 | Granted | 7,760,077 | 20-Jul-10 | United States |
| 0604080F | 060213 | Remote control device | 21-Dec-06 | 11,877,7 | Granted | 11,877,7 | 7-Feb-08 | Canada |
| 0604080F | 0604081CA | Remote control device | 21-Dec-06 | 11,877,4 | Granted | 11,877,4 | 7-Feb-08 | Canada |
| 0604080F | 0604081CA | Remote control device | 21-Dec-06 | 11,877,5 | Granted | 11,877,5 | 7-Feb-08 | Canada |
| 0604080F | 0604081CA | Remote control device | 21-Dec-06 | 11,877,6 | Granted | 11,877,6 | 7-Feb-08 | Canada |
| 0604080F | 0604081CA | Remote control device | 21-Dec-06 | 11,877,5 | Granted | 11,877,5 | 7-Feb-08 | Canada |
| 0604080F | 0604081CA | Remote control device | 21-Dec-06 | 11,877,8 | Granted | 11,877,8 | 7-Feb-08 | Canada |
| 0604080F | 06040814MX | Remote control device | 19-Dec-06 | PA/72006/002537 | Granted | 26,253 | 4-Jul-08 | Mexico |
| 0604080F | 06040813MX | Remote control device | 19-Dec-06 | PA/72006/002536 | Granted | 26,204 | 4-Jul-08 | Mexico |
| 0604080F | 06040812MX | Remote control device | 20-Dec-06 | PA/72006/002601 | Granted | 26,203 | 4-Jul-08 | Mexico |
| 0604080F | 06040811MX | Remote control device | 20-Dec-06 | PA/72006/003602 | Granted | 25,081 | 5-Feb-08 | Mexico |
| 0604080F | 06040810MX | Remote control device | 19-Dec-06 | PA/72006/002538 | Granted | 26,202 | 4-Jul-08 | Mexico |
| 0604080F | 06040811 | Remote control device | 28-Jun-06 | 29/262,347 | Granted | 0571,308 | 17-Jun-08 | United States |
| 0604080F | 06040815 | Remote control device | 29-Jun-06 | 29/262,339 | Granted | 0588,554 | 17-Mar-09 | United States |
| 0604080F | 06040814 | Remote control device | 28-Jun-06 | 29/262,344 | Granted | 0571,307 | 17-Jun-08 | United States |
| 0604080F | 06040813 | Remote control device | 28-Jun-06 | 29/262,340 | Granted | 0589,461 | 31-Mar-09 | United States |
| 0604080F | 06040812 | Remote control device | 28-Jun-06 | 29/262,341 | Granted | 0571,306 | 17-Jun-08 | United States |
| 0604080F | 06040811CN | Remote control device | 28-Dec-06 | 200630130637.X | Inactive | 2,206,301,805,637.X | 21-May-08 | China P.R. |
| 0604080F | 060443 | Method for determining the null point of a RF antenna | 4-Aug-07 | 11,096,660 | Granted | 8,286,463 | 16-Oct-12 | United States |

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| Disclosure Number | Docket Number | Application Title | National Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|---|---------------------|--------------------|---------------|--------------|------------|---------------|
| 060783DF | 060783 | Apparatus and method for measuring operational data for equipment using sensor breach durations | 17-Jul-07 | 11/777,235 | Filed | | | United States |
| 060909DF | 060909 | Reefer fuel tax reporting for the transport industry | 28-Jun-07 | 11/768,798 | Filed | | | United States |
| 060957DF | 060957 | Driver notification | 22-Sep-06 | 11/520,206 | Filed | | | United States |
| 061174DF | 061174C1 | Critical event reporting | 9-Apr-10 | 17/757,459 | Granted | 8,000,843 | 16-Aug-11 | United States |
| 061174DF | 061174 | Critical event reporting | 14-Sep-06 | 11/521,841 | Granted | 7,725,216 | 25-May-10 | United States |
| 061408DF | 061408L1CA | Media display unit | 21-Dec-06 | 118769 | Granted | 118769 | 31-Jan-08 | Canada |
| 061408DF | 061408L3CA | Media display unit | 21-Dec-06 | 118767 | Granted | 118767 | 31-Jan-08 | Canada |
| 061408DF | 061408L1CA | Media display unit | 21-Dec-06 | 118768 | Granted | 118768 | 31-Jan-08 | Canada |
| 061408DF | 061408L2MX | Media display unit | 30-Dec-06 | PA/72006/002600 | Granted | 26062 | 13-Jun-08 | Mexico |
| 061408DF | 061408L3MX | Media display unit | 20-Dec-06 | PA/72006/002599 | Granted | 26061 | 13-Jun-08 | Mexico |
| 061408DF | 061408L1MX | Media display unit | 20-Dec-06 | PA/72006/002603 | Granted | 25082 | 5-Feb-08 | Mexico |
| 061408DF | 061408L3 | Media display unit | 27-Jun-06 | 29/262,266 | Granted | 9552,949 | 20-Nov-07 | United States |
| 061408DF | 061408L1 | Media display unit | 27-Jun-06 | 29/262,215 | Granted | 9551,665 | 25-Sep-07 | United States |
| 061408DF | 061408L2 | Media display unit | 27-Jun-06 | 29/262,221 | Granted | 9554,636 | 16-Nov-07 | United States |
| 061452DF | 061452 | Mobile group data distribution | 23-Sep-07 | 11/859,345 | Granted | 8,036,498 | 23-Aug-11 | United States |
| 061634DF | 061634D1 | Fluorescent dye to improve primer coverage accuracy for bonding applications | 13-May-11 | 13/107,602 | Granted | 8,410,992 | 2-Apr-13 | United States |
| 061634DF | 061634 | Fluorescent dye to improve primer coverage accuracy for bonding applications | 17-Jul-07 | 11/779,236 | Granted | 8,036,815 | 18-Oct-11 | United States |
| 061636DF | 061636 | Systems and methods for automatically tuning a frequency modulator in a mobile device | 21-Dec-07 | 11/962,737 | Granted | 8,027,645 | 27-Sep-13 | United States |
| 061637DF | 061637 | Systems and methods for automatically searching a database to tune a frequency modulator in a mobile device | 21-Dec-07 | 11/962,707 | Granted | 8,478,288 | 2-Jul-13 | United States |
| 061777DF | 061777 | Data rate selection in a constant power variable data rate two-way mobile satellite communication link | 6-Jun-07 | 11/759,108 | Granted | 7,929,482 | 19-Apr-11 | United States |
| 061870DF | 061870 | Routing drivers to trailers effectively | 20-Sep-07 | 11/858,876 | Filed | | | United States |
| 061883DF | 061883 | Hardware continuity loop for preventing vehicle misappropriation | 6-Feb-09 | 12/376,752 | Granted | 8,508,352 | 13-Aug-13 | United States |
| 061887DF | 061887 | System and methods for remotely upgrading software applications | 31-Jul-07 | 11/831,879 | Granted | 8,170,540 | 1-May-12 | United States |
| 061887DF | 061887L1 | System and methods for remotely upgrading software applications | 1-May-12 | 13/161,396 | Granted | 8,594,653 | 26-Nov-13 | United States |
| 061888DF | 061888 | Method and apparatus for the distribution of configuration data | 6-Feb-09 | 12/376,725 | Filed | | | United States |
| 061889DF | 061889L1 | Vehicle identification system | 7-Jan-11 | 12/986,829 | Filed | | | United States |
| 061889DF | 061889 | Vehicle identification system | 14-Sep-06 | 11/521,976 | Granted | 7,894,826 | 22-Feb-11 | United States |
| 061892DF | 061892L1 | Wi-Fi-based display | 15-Feb-09 | 12/376,739 | Granted | 8,471,649 | 25-Jun-13 | United States |

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| Disclosure Number | Docket Number | Application Title | National Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|---|---------------------|--------------------|---------------|--------------|------------|----------------------------|
| 0618921DF | 062892113 | KU-band coaxial to microstrip mixed electric PCB interface with surface mount diplexer | 1-Jul-10 | 12/376,759 | Filed | | | United States |
| 0619210DF | 061921013 | Compact display unit | 20-Mar-12 | 13/424,992 | Filed | | | United States |
| 0619201DF | 061920113 | Compact display unit | 11-Sep-06 | 11/519,319 | Granted | 8,140,137 | 20-Mar-12 | United States |
| 0619630DF | 061963013 | Four-wire journaling system and method for sensing cargo loads and trailer movement | 21-Mar-08 | 12/053,157 | Filed | | | United States |
| 0704991DF | 070499113 | System and method for sensing cargo loads and trailer movement | 29-Jan-08 | 12/021,667 | Granted | 8,179,286 | 15-May-12 | United States |
| 0704992DF | 070499213 | System and method for sensing cargo loads and trailer movement | 26-Jul-10 | 27,133,911 | Filed | | | Canada |
| 0704993DF | 070499313 | System and method for sensing cargo loads and trailer movement | 28-Jul-10 | 14X/0/2010/008284 | Granted | 2,959,914 | 9-Feb-12 | Mexico |
| 0704994DF | 070499413 | System and method for sensing cargo loads and trailer movement | 15-Aug-12 | 13/472,268 | Filed | | | United States |
| 0704995DF | 0704995PHK | System and method for sensing cargo loads and trailer movement | 26-Apr-11 | 11,104,128.4 | Filed | | | Hong Kong |
| 0704996DF | 070499613 | System and method for sensing cargo loads and trailer movement | 24-Aug-10 | 09/705,439.2 | Filed | | | European Patent Convention |
| 0705471DF | 070547113 | Speed limit violation systems and methods for determining a speed limit violation | 9-Oct-11 | 27,757,980 | Filed | | | Canada |
| 0705472DF | 070547213 | Speed limit violation systems and methods for determining a speed limit violation | 23-Apr-09 | 12/028,574 | Filed | | | United States |
| 0708031DF | 070803113 | Rechargeable battery system and method for charging a mobile wireless medication management system | 31-Sep-07 | 11/898,874 | Granted | 9,405,361 | 26-Mar-13 | United States |
| 0708251DF | 070825113 | A mobile wireless medication management system | 16-Aug-07 | 11/839,723 | Granted | 8,538,275 | 17-Sep-13 | United States |
| 0708252DF | 0708252KR | A mobile wireless medication management system | 15-Mar-10 | 10-2010-7005614 | Inactive | | | Republic of Korea |
| 0708253DF | 0708253JP | A mobile wireless medication management system | 16-Feb-10 | 2010-521215 | Inactive | | | Japan |
| 0708254DF | 0708254IN | A mobile wireless medication management system | 8-Feb-10 | 257/MUMNP/2010 | Filed | | | India |
| 0708255DF | 0708255CN | A mobile wireless medication management system | 10-Feb-10 | 200880102918.X | Inactive | | | China P.R. |
| 0710091DF | 071009113 | Context aware message dissemination system for alerting remote vehicle operator of unsafe transportation network conditions | 30-Oct-08 | 12/261,237 | Filed | | | United States |
| 0712471DF | 071247113 | Method of monitoring combus information and apparatus for providing navigation support for private premises | 15-Aug-07 | 11/839,446 | Filed | | | United States |
| 0714041DF | 071404113 | Method and apparatus for providing navigation support for private premises | 25-Jan-08 | 12/020,464 | Filed | | | United States |
| 0717721DF | 071772113 | Method and apparatus for providing navigation support for private premises | 11-Jun-12 | 27,840,916 | Filed | | | Canada |
| 0717722DF | 0717722MX | Method and apparatus for providing navigation support for private premises | 28-May-12 | MX/a/2012/006135 | Filed | | | Mexico |
| 0717723DF | 071772313 | Method and apparatus for providing navigation support for private premises | 18-Feb-09 | 13/441,725 | Granted | 8,463,546 | 11-Jun-13 | United States |
| 0717724DF | 071772413 | Method and apparatus for providing navigation support for private premises | 12-Jul-12 | 10/989,113 | Filed | | | European Patent Convention |
| 0719671DF | 071967113 | System for pairing vehicle components | 8-Mar-11 | 27,367,038 | Filed | | | Canada |
| 0719672DF | 071967213 | System for pairing vehicle components | 7-Oct-08 | 12/247,095 | Granted | 8,538,838 | 17-Sep-13 | United States |

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| Disclosure Number | Check Number | Application Title | National Filing Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|--------------|--|----------------------|--------------------|---------------|--------------|------------|---------------------------|
| 0719671DF | 071967C1 | System and method for managing movable objects | 13-Aug-13 | 13/965A32 | Filed | | | United States |
| 0723501DF | 072350CN | Dual transducer cargo sensor device | 5-May-08 | 200830121347.7 | Inactive | | | China P.R. |
| 0723501DF | 072350HD | Dual transducer cargo sensor device | 5-May-08 | A-0020081287 | Granted | 100021837-D | 5-Sep-11 | Indonesia |
| 0723501DF | 072350CA | Dual transducer cargo sensor device | 2-May-08 | 125872 | Inactive | | | Canada |
| 0723501DF | 072350 | Dual transducer cargo sensor device | 5-Nov-07 | 29/297.143 | Granted | 0581,299 | 25-Nov-08 | United States |
| 0723501DF | 072350BR | Dual transducer cargo sensor device | 5-May-08 | 016801603-4 | Granted | 016801603-4 | 22-Sep-09 | Brazil |
| 0723501DF | 072350EP | Dual transducer cargo sensor device | 5-May-08 | 0300829039 | Filed | | | European Community Design |
| 0821931DF | 082193CA | Wireless provisioning solution for target devices | 10-Jan-12 | 2767765 | Filed | | | Canada |
| 0821931DF | 082193 | Wireless provisioning solution for target devices | 20-Jul-09 | 127506,142 | Granted | 9,331,923 | 11-Dec-12 | United States |
| 0821931DF | 082193C1 | Wireless provisioning solution for target devices | 8-Nov-12 | 13/671,740 | Filed | | | United States |
| 1028831DF | 102883WD | Systems and methods for vehicle monitoring with processing interruption tolerance | 14-May-12 | PCT/US2012/037818 | Filed | | | Patent Cooperation Treaty |
| 1028831DF | 102883 | Systems and methods for vehicle monitoring with processing interruption tolerance | 12-May-11 | 15/107,304 | Granted | 9,399,019 | 19-Nov-13 | United States |
| 1028831DF | 102883C1 | Systems and methods for vehicle monitoring with processing interruption tolerance | 15-Oct-13 | 14/059,878 | Filed | | | United States |
| 1032491DF | 103249WD | Systems and methods for processing operational gear data of a vehicle | 21-Sep-12 | PCT/US2012/056762 | Filed | | | Patent Cooperation Treaty |
| 1032491DF | 103249 | Systems and methods for processing operational gear data of a vehicle | 20-Sep-12 | 13/633,598 | Filed | | | United States |
| 1106671DF | 110667WD | Systems for and methods of engine derating | 28-Sep-12 | PCT/US2013/058071 | Filed | | | Patent Cooperation Treaty |
| 1106671DF | 110667 | Systems for and methods of engine derating | 27-Sep-12 | 15/628,881 | Filed | | | United States |
| 1106671DF | 110667CA | System and method for integrating smartphone technology into a safety management platform to improve driver safety | 28-Mar-12 | 2779319 | Filed | | | Canada |
| 1106671DF | 110667MX | System and method for integrating smartphone technology into a safety management platform to improve driver safety | 23-Mar-12 | MX/a/2012/003524 | Filed | | | Mexico |
| 1108581DF | 110858 | System and method for integrating smartphone technology into a safety management platform to improve driver safety | 11-Feb-10 | 12/709,038 | Filed | | | United States |

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| Disclosure Number | Docket Number | Application Title | Relational Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|--|-----------------------|--------------------|---------------|--------------|------------|----------------------------|
| 1109581DF | 1109581EP | System and method for integrating smartphone technology into a safety management platform to improve driver safety | 30-Mar-12 | 10820980.8 | Filed | | | European Patent Convention |
| 1109751DF | 1109751WO | Method and system for collecting, analyzing and displaying fleet performance data | 21-Sep-12 | PCT/US2012/056680 | Filed | | | Patent Cooperation Treaty |
| 1109752DF | 1109752 | Method and system for collecting, analyzing and displaying fleet performance data | 20-Sep-12 | 13/633,649 | Filed | | | United States |
| 1109761DF | 1109761WO | System and method for generating real-time alert notifications in an asset tracking system | 29-Dec-12 | PCT/US2012/071003 | Filed | | | Patent Cooperation Treaty |
| 1109762DF | 1109762 | System and method for generating real-time alert notifications in an asset tracking system | 18-Dec-12 | 13/718,798 | Filed | | | United States |
| 1109771DF | 1109771WO | Systems and methods for processing location- and entity-based workflow data | 21-Sep-12 | PCT/US2012/056725 | Filed | | | Patent Cooperation Treaty |
| 1109772DF | 1109772 | Systems and methods for processing location- and entity-based workflow data | 20-Sep-12 | 13/623,600 | Filed | | | United States |
| 1109831DF | 1109831WO | Systems and methods for processing vehicle data to report performance data interchangeably | 21-Sep-12 | PCT/US2012/056715 | Filed | | | Patent Cooperation Treaty |
| 1109832DF | 1109832 | Systems and methods for processing vehicle data to report performance data interchangeably | 20-Sep-12 | 13/623,613 | Filed | | | United States |
| 1117031DF | 1117031WO | Solar powered apparatus having a thermally decoupled solar panel for tracking a portable asset | 12-Feb-13 | PCT/US2013/025777 | Filed | | | Patent Cooperation Treaty |
| 1117032DF | 1117032 | Solar powered apparatus having a thermally decoupled solar panel for tracking a portable asset | 13-Feb-12 | 13/371,747 | Filed | | | United States |
| 1209631DF | 1209631WO | Managing selective access of a user equipment to internet-based services based on transport type | 15-Mar-13 | PCT/US2013/029154 | Filed | | | Patent Cooperation Treaty |
| 1209632DF | 1209632 | Managing selective access of a user equipment to internet-based services based on transport type | 27-Jul-12 | 13/560,814 | Filed | | | United States |
| 1214481DF | 1214481WO | Systems and methods for performing over-the-air activation while roaming | 19-Mar-13 | PCT/US2013/029943 | Filed | | | Patent Cooperation Treaty |
| 1214482DF | 1214482 | Systems and methods for performing over-the-air activation while roaming | 7-Mar-13 | 13/788,953 | Filed | | | United States |
| 1225601DF | 1225601WO | Off-board hours-of-service ("HOS") processing | 7-May-13 | PCT/US2013/039697 | Filed | | | Patent Cooperation Treaty |
| 1225602DF | 1225602 | Off-board hours-of-service ("HOS") processing | 7-Mar-13 | 13/789,904 | Filed | | | United States |

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| Disclosure Number | Checklist Number | Application Title | International Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|------------------|---|--------------------------|--------------------|---------------|---------------|------------|----------------------------|
| 9901641DF | 9901641CA | Mobile reporting module employing timing and message consolidation to economize transmissions | 27-May-04 | 2468697 | Granted | 2468697 | 30-Oct-12 | Canada |
| 9901641DF | 9901641MX | Mobile Reporting Module Employing Timing and Message Consolidation to Economize Transmissions | 28-May-04 | PA/07/2004/005170 | Granted | 249989 | 5-Oct-07 | Mexico |
| 9901641DF | 990164 | Mobile Reporting Module Employing Timing and Message Consolidation to Economize Transmissions | 29-Nov-01 | 09/997566 | Granted | 5,990,335 | 24-Jan-06 | United States |
| 9901641DF | 990164BR | Mobile Reporting Module Employing Timing and Message Consolidation to Economize Transmissions | 28-May-04 | PI0734575-0 | Filed | | | Brazil |
| 9901651DF | 990165 | Method and Apparatus for High Density Message Coding | 18-Mar-01 | 09/803,058 | Granted | 6,907,253 | 14-Jun-05 | United States |
| 9904211DF | 9904211MX | Vehicle fleet monitoring apparatus | 10-Dec-01 | PA/07/2001/012709 | Granted | 253635 | 24-Jan-08 | Mexico |
| 9904211DF | 990421 | Paperless log system and method | 29-Jul-99 | 09/363,972 | Granted | 5,526,343 | 25-Feb-03 | United States |
| 9904211DF | 990421EP | Paperless log system and method | 11-Dec-01 | 00939695-3 | Inactive | | | European Patent Convention |
| 9904961DF | 9904961A | Paperless Log System and Method | 27-Mar-01 | 2348607 | Granted | 2445937 | 14-Nov-06 | Canada |
| 9904961DF | 9904961MX | Paperless Log System and Method | 28-Mar-01 | PA/07/2001/0003190 | Granted | 230859 | 27-Sep-05 | Mexico |
| 9904961DF | 9904961C | Paperless Log System and Method | 20-Mar-01 | 09/813,418 | Granted | 5,471,590 | 16-Jul-02 | United States |
| 9904961DF | 990496 | Paperless Log System and Method | 29-Jul-99 | 09/463,971 | Granted | 5,317,668 | 13-Nov-01 | United States |
| 9904961DF | 990496BR | Paperless Log System and Method | 26-Mar-01 | PI0066966-3 | Filed | | | Brazil |
| 9904961DF | 990496ES | Paperless Log System and Method | 11-May-05 | 00952280-6 | Granted | 2242288 | 11-May-05 | Spain |
| 9904961DF | 990496DE | Paperless Log System and Method | 11-May-05 | 60020065-5 | Granted | 1119940 | 11-May-05 | Germany |
| 9904961DF | 990496FR | Paperless Log System and Method | 26-Mar-01 | 00952280-6 | Granted | EP1119840 | 11-May-05 | European Patent Convention |
| 9904961DF | 990496GB | Paperless Log System and Method | 11-May-05 | 00952280-6 | Granted | 1119840 | 11-May-05 | Great Britain |
| 9904961DF | 990496LU | Paperless Log System and Method | 11-May-05 | 00952280-6 | Granted | 1119840 | 11-May-05 | Luxembourg |
| 9904961DF | 990496NL | Paperless Log System and Method | 11-May-05 | 00952280-6 | Granted | 1119840 | 11-May-05 | Netherlands |
| 9904961DF | 990496FR | Paperless Log System and Method | 11-May-05 | 00952280-6 | Granted | 1119840 | 11-May-05 | France |
| 9904961DF | 990496BE | Paperless Log System and Method | 11-May-05 | 00952280-6 | Granted | 1119940 | 11-May-05 | Belgium |
| DPA0541DF | DPA054CA | Universal Mount Cargo Status Sensor Device | 15-May-03 | 1003963 | Granted | 302963 | 16-Mar-05 | Canada |
| DPA0541DF | DPA054MX | Universal Mount Cargo Status Sensor Device | 16-May-03 | PA/07/2003/000423 | Inactive | 19418 | 24-Nov-05 | Mexico |
| DPA0541DF | DPA054 | Universal Mount Cargo Status Sensor Device | 15-Nov-02 | 29/170324 | Granted | 3503350 | 28-Mar-05 | United States |
| DPA0541DF | DPA054BR | Universal Mount Cargo Status Sensor Device | 15-May-03 | D16301363-0 | Granted | D16301363-0 | 16-Sep-03 | Brazil |
| DPA0541DF | DPA054DE | Universal Mount Cargo Status Sensor Device | 15-May-03 | 40503372-1 | Filed | | | Germany |
| DPA0541DF | EP04054FR | Universal mount cargo status sensor device | 15-May-03 | 032508 | Granted | 715475 | 26-Sep-03 | France |
| DPA0541DF | DPA054EP | Universal mount cargo status sensor device | 16-May-03 | 1003029582 | Granted | 00020581-0001 | 11-Nov-03 | European Community Design |
| PA0541DF | PA054MEX | Tractor-Trailer Electronic Transmission Path | 24-Nov-93 | 9307275 | Inactive | 211998 | 11-Dec-02 | Mexico |
| PA0541DF | PA054IND | Tractor-Trailer electrical signal transmission linkage | 15-Nov-93 | 817/MAS/93 | Granted | 194050 | 15-Dec-00 | India |

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| Disclosure Number | Socket Number | Application Title | National Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|---|---------------------|--------------------|---------------|--------------|------------|----------------------------|
| PA054IDF | PA054PRC | Tractor-Trailer Electronic Transmission Path | 24-Nov-93 | 93114695.9 | Granted | ZL93114935.9 | 14-Oct-90 | China P.R. |
| PA054IDF | PA054ISR | Tractor-Trailer Electronic Transmission Path | 22-Nov-93 | 107709 | Inactive | 107709 | 19-Sep-95 | Israel |
| PA054IDF | PA054SAF | Tractor-Trailer Electronic Transmission Path Printed Circuit Antenna Array Using Corner Reflector | 8-Nov-93 | 9310323 | Inactive | 9310323 | 26-Oct-94 | South Africa |
| PA120IDF | PA100A | Coxial Waveguide Rotary Coupling Assemblage | 15-Aug-95 | 08698.935 | Granted | 5,703,446 | 13-Jan-98 | United States |
| PA120IDF | PA120 | Coxial Waveguide Rotary Coupling Assemblage | 28-Mar-94 | 087118.169 | Granted | 5,434,548 | 18-Jul-95 | United States |
| PA120IDF | PA120BRA | Method and Apparatus for Freight Transportation Using a Satellite Navigation System | 25-Oct-95 | 89505779-0 | Granted | P/89505779-0 | 9-Jul-03 | Brazil |
| PA125IDF | PA125A | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 1-Aug-95 | 09/510.020 | Granted | 5,880,958 | 9-Mar-99 | United States |
| PA141IDF | PA141CAN | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 21-Jan-99 | 2261347 | Granted | 2261347 | 5-Jun-07 | Canada |
| PA141IDF | PA141MEX | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 22-Jan-99 | PA/9/1999/000852 | Inactive | 213706 | 11-Apr-03 | Mexico |
| PA141IDF | PA141 | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 22-Jul-96 | 08681.342 | Granted | 6,094,870 | 4-Jul-00 | United States |
| PA141IDF | PA141ROC | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 9-Oct-97 | 96110428 | Inactive | NI-101024 | 21-Feb-99 | Taiwan |
| PA141IDF | PA141HK | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 9-Nov-99 | 99105146.4 | Granted | 1019944 | 11-Jun-04 | Hong Kong |
| PA141IDF | PA141PRC | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 1-Mar-99 | 97197567.1 | Granted | ZL97197567.1 | 10-Mar-04 | China P.R. |
| PA141IDF | PA141ES | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 16-Jun-04 | 2208937 | Granted | 0914643 | 9-Oct-03 | Spain |
| PA141IDF | PA141DE | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 29-Jul-04 | 6975446 | Granted | 0914643 | 8-Oct-03 | Germany |
| PA141IDF | PA141EPO | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 13-Feb-99 | 97934975.0 | Granted | EP0914643 | 8-Oct-03 | European Patent Convention |
| PA141IDF | PA141MAL | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 18-Jul-97 | 99703259 | Inactive | MY-119085-A | 11-Mar-05 | Malaysia |
| PA143IDF | PA143GB | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 8-Oct-03 | 97934975.0 | Granted | 0914643 | 8-Oct-03 | Great Britain |
| PA143IDF | PA143NL | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 8-Oct-03 | 97934975.0 | Granted | 0914643 | 8-Oct-03 | Netherlands |

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| Disclosure Number | Docket Number | Application Title | Regional Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|---|---------------------|--------------------|---------------|--------------|------------|----------------------------|
| PA1411DF | PA1411R | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 8-Oct-03 | 37934975.0 | Granted | 0914643 | 8-Oct-03 | France |
| PA1411DF | PA1411E | Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems | 8-Oct-03 | 37934975.0 | Granted | 0914643 | 8-Oct-03 | Belgium |
| PA1421DF | PA1421CAN | Method of and System for Determining a Route of Travel by a Vehicle | 14-Sep-99 | 2283805 | Granted | 1383805 | 12-Jul-05 | Canada |
| PA1421DF | PA1421MEX | Method of and System for Determining a Route of Travel by a Vehicle | 14-Sep-99 | 368479 | Inactive | 220460 | 29-Mar-04 | Mexico |
| PA1421DF | PA142 | System and Method for Determining Vehicle Travel Router and Mileage | 15-Oct-97 | 0819511033 | Granted | 5,974,356 | 25-Oct-99 | United States |
| PA1421DF | PA142PRC | Method of and System for Determining a Route of Travel by a Vehicle | 12-Nov-99 | 98805055.0 | Granted | 3,988,055.0 | 3-Dec-03 | China P.R. |
| PA1441DF | PA144CAN | Method and Apparatus for Detecting Fault Conditions in a Vehicle Data Recording Device | 2-Apr-97 | 2201593 | Inactive | 301533 | 12-Dec-06 | Canada |
| PA1441DF | PA144MEX | Method and Apparatus for Detecting Fault Conditions in a Vehicle Data Recording Device | 2-Apr-97 | 972395 | Inactive | 115939 | 20-Aug-03 | Mexico |
| PA1441DF | PA144 | Method and Apparatus for Detecting Fault Conditions in a Vehicle Data Recording Device to Detect Tampering or Unauthorized Access | 3-Oct-94 | 081316746 | Granted | 5,585,130 | 17-Dec-96 | United States |
| PA1441DF | PA144BRA | Method and Apparatus for Detecting Fault Conditions in a Vehicle Data Recording Device | 3-Apr-97 | PI9509222-6 | Granted | PI9509222-6 | 14-Oct-03 | Brazil |
| PA1441DF | PA144EPO | Method and Apparatus for Detecting Fault Conditions in a Vehicle Data Recording Device | 2-Apr-97 | 95936332.6 | Inactive | | | European Patent Convention |
| PA1451DF | PA145EP D1 | Method and apparatus for detecting fault conditions in a vehicle data recording device | 27-Mar-05 | 0900672.6 | Inactive | | | European Patent Convention |
| PA1451DF | PA145CA D1 | Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units | 27-Oct-05 | 2530980 | Granted | 2520980 | 18-Mar-08 | Canada |
| PA1451DF | PA145CAN | Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units | 2-Sep-97 | 2214766 | Granted | 2214766 | 9-Jan-07 | Canada |
| PA1451DF | PA145MEX | Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units | 2-Sep-97 | 976662 | Granted | 201823 | 9-May-01 | Mexico |
| PA1451DF | PA145A | Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units | 12-Dec-95 | 081766717 | Granted | 5,815,071 | 29-Sep-98 | United States |
| PA1451DF | PA145JAP | Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units | 3-Sep-97 | 536959796 | Granted | 3825899 | 5-Jul-02 | Japan |
| PA1451DF | PA145BRA | Method and apparatus for monitoring parameters of vehicle electronic control units | 31-Oct-97 | PI9907643-0 | Filed | | | Brazil |

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| Disclosure Number | Docket Number | Application Title | National Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|--|---------------------|--------------------|---------------|--------------|------------|----------------------------|
| PA1451DF | PA1451ES | Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units | 30-Aug-06 | 96907160.4 | Granted | 0813479 | 30-Aug-06 | Spain |
| PA1451DF | PA1451DE | Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units | 3-May-07 | 69636496.4 | Granted | 0813479 | 30-Aug-06 | Germany |
| PA1451DF | PA1451EP | Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units | 2-Sep-97 | 96907160.4 | Granted | EP0813479 | 30-Aug-06 | European Patent Convention |
| PA1451DF | PA1451IT | Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units | 30-Aug-06 | 96907160.4 | Granted | 0813479 | 30-Aug-06 | Italy |
| PA1451DF | PA1451GB | Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units | 30-Aug-06 | 96907160.4 | Granted | 0813479 | 30-Aug-06 | Great Britain |
| PA1451DF | PA1451NL | Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units | 30-Aug-06 | 96907160.4 | Granted | 0813479 | 30-Aug-06 | Netherlands |
| PA1451DF | PA1451FR | Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units | 30-Aug-06 | 96907160.4 | Granted | 0813479 | 30-Aug-06 | France |
| PA1451DF | PA1451IE | Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units | 30-Aug-06 | 96907160.4 | Granted | 0813479 | 30-Aug-06 | Ireland |
| PA1801DF | PA1801CAN | Method and Apparatus for Displaying Messages in Vehicular Communications Systems | 18-Jun-97 | 2208170 | Inactive | 2208170 | 1-Jun-04 | Canada |
| PA1801DF | PA1801MEX | Method and Apparatus for Displaying Messages in Vehicular Communications Systems | 18-Jun-97 | 974514 | Inactive | 194468 | 8-Dec-99 | Mexico |
| PA1801DF | PA1801A | Method and Apparatus for Displaying Messages in Vehicular Communications Systems | 6-Feb-96 | 087597317 | Granted | 5,578,196 | 14-Oct-97 | United States |
| PA1801DF | PA1801KOR | Method and Apparatus for Displaying Messages in Vehicular Communications Systems | 19-Jun-97 | 1997-704153 | Inactive | 445775 | 30-Jul-04 | Republic of Korea |
| PA1801DF | PA1801JAP | Method and Apparatus for Displaying Messages in Vehicular Communications Systems | 19-Jun-97 | 51990796 | Granted | 3351534 | 20-Sep-02 | Japan |
| PA1801DF | PA1801HK | Method and Apparatus for Displaying Messages in Vehicular Communications Systems | 8-Apr-98 | 98102971.2 | Inactive | 1003670 | 25-Oct-02 | Hong Kong |
| PA1801DF | PA1801BRA | Method and apparatus for displaying messages in vehicular communications systems | 19-Jun-97 | PI9510253-1 | Granted | PI9510253-1 | 25-Feb-09 | Brazil |
| PA1801DF | PA1801DE | Method and Apparatus for Displaying Messages in Vehicular Communications Systems | 7-Nov-07 | 69525959.5 | Inactive | 3795464 | 20-Mar-02 | Germany |
| PA1801DF | PA1801EPO | Method and Apparatus for Displaying Messages in Vehicular Communications Systems | 18-Jun-97 | 95943827.6 | Inactive | EP0799464 | 7-Feb-02 | European Patent Convention |

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| Disclosure Number | Docket Number | Application Title | National Filing Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|--|----------------------|--------------------|---------------|--------------|------------|----------------------------|
| PA180HDF | PA180GB | Method and Apparatus for Displaying Messages in Vehicular Communications Systems | 20-Mar-02 | 9594387.6 | Granted | 0799464 | 20-Mar-02 | Great Britain |
| PA180HDF | PA180LU | Method and Apparatus for Displaying Messages in Vehicular Communications Systems | 20-Mar-02 | 9594387.6 | Granted | 0799464 | 20-Mar-02 | Luxembourg |
| PA180HDF | PA180AUS | Method and Apparatus for Displaying Messages in Vehicular Communications Systems | 15-Jun-97 | 43203/96 | Inactive | 693315 | 15-Nov-98 | Australia |
| PA180HDF | PA180NL | Method and Apparatus for Displaying Messages in Vehicular Communications Systems | 20-Mar-02 | 9594387.6 | Granted | 0799464 | 20-Mar-02 | Netherlands |
| PA180HDF | PA180FR | Method and Apparatus for Displaying Messages in Vehicular Communications Systems | 20-Mar-02 | 9594387.6 | Granted | 0799464 | 20-Mar-02 | France |
| PA257HDF | PA257 | Keypad Assembly with Moisture-Excluding Seal | 12-Jun-96 | 06/562,163 | Granted | 5,734,136 | 31-Mar-98 | United States |
| PA414HDF | PA414A | Locking Booth System | 2-Mar-97 | 08/850,420 | Granted | 6,017,378 | 28-Dec-99 | United States |
| PA434HDF | PA434CAN | Wireless fleet communications system for providing separable communications services | 23-Jul-98 | 2743788 | Granted | 2243788 | 17-Nov-09 | Canada |
| PA434HDF | PA434MEX | Wireless Fleet Communications System for Providing Separable Communications Services | 24-Jan-00 | PA/02000/000804 | Inactive | 234466 | 15-Feb-06 | Mexico |
| PA434HDF | PA434 | Wireless fleet communications system for providing separable communications services | 24-Jul-97 | 09/899,901 | Granted | 6,075,007 | 6-Jun-00 | United States |
| PA434HDF | PA434R1 | Wireless Fleet Communications System for Providing Separable Communications Services | 2-May-02 | 10/438,911 | Granted | 6644,201 | 7-May-13 | United States |
| PA434HDF | PA434BRA | Wireless Fleet Communications System for Providing Separable Communications Services | 21-Jan-00 | P/9901769-0 | Filed | | | Brazil |
| PA444HDF | PA444 | Steerable Antenna System | 3-Aug-97 | 08/422,719 | Granted | 5,882,333 | 9-Nov-99 | United States |
| PA503HDF | PA503CAN | Method and apparatus for validating vehicle operators | 21-Jul-00 | 2316255 | Granted | 2316255 | 19-Aug-08 | Canada |
| PA503HDF | PA503A | Method and apparatus for validating vehicle operators | 22-Jan-98 | 09/030,949 | Granted | 6,108,591 | 22-Aug-00 | United States |
| PA503HDF | PA503HK | Method and Apparatus for Validating Vehicle Operators | 15-Aug-01 | 101105736.7 | Granted | 1035048 | 23-Feb-07 | Hong Kong |
| PA503HDF | PA503PRC | Method and Apparatus for Validating Vehicle Operators | 16-Sep-00 | 199804104.1 | Granted | 2199804104.1 | 6-Sep-06 | China P. R. |
| PA503HDF | PA503ES | Method and Apparatus for Validating Vehicle Operators | 25-Jul-07 | 199904173.4 | Granted | 1051023 | 23-May-07 | Spain |
| PA503HDF | PA503DE | Method and Apparatus for Validating Vehicle Operators | 23-May-07 | 169936133.8 | Granted | 1050023 | 23-May-07 | Germany |
| PA503HDF | PA503EPD | Method and Apparatus for Validating Vehicle Operators | 21-Aug-00 | 199604173.4 | Granted | 1050023 | 23-May-07 | European Patent Convention |
| PA503HDF | PA503IT | Method and Apparatus for Validating Vehicle Operators | 2-Jul-07 | 199804173.4 | Granted | 1050023 | 23-May-07 | Italy |

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| Disclosure Number | Docket Number | Aggregation Title | National Filed Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|---|---------------------|--------------------|---------------|--------------|------------|----------------------------|
| PA503IDF | PA503G8 | Method and Apparatus for Validating Vehicle Operators | 16-Jul-07 | 99904173.4 | Granted | 1050023 | 23-May-07 | Great Britain |
| PA503HDF | PA503FR | Method and Apparatus for Validating Vehicle Operators | 21-Aug-07 | 99904173.4 | Granted | 1050023 | 23-May-07 | France |
| PA503IDF | PA503BRA | Method and Apparatus for Validating Vehicle Operators | 21-Jul-00 | 99907178.9 | Inactive | | | Brazil |
| PA539IDF | PA539 | Ball Compression Grommet | 19-Mar-98 | 09/045,155 | Granted | 6,070,835 | 6-Jun-00 | United States |
| PA601IDF | PA601BRA | Vehicle communication system | 18-Feb-00 | 99812277.0 | Filed | | | Brazil |
| PA601IDF | PA601DE | Vehicle communication system | 21-Jan-09 | 69840504.R.08 | Granted | 30993746 | 31-Jan-09 | Germany |
| PA601IDF | PA601PO | Vehicle communication system | 17-Feb-00 | 98940973.5 | Granted | EP0953746 | 21-Jan-09 | European Patent Convention |
| PA601IDF | PA601FR | Vehicle communication system | 21-Jan-09 | 98940973.5 | Granted | EP0953746 | 21-Jan-09 | France |
| PA601IDF | PA601GB | Vehicle communication system | 21-Jan-09 | 98940973.5 | Granted | EP0953746 | 21-Jan-09 | Great Britain |
| PA601IDF | PA601MEX | Vehicle communication system | 18-Feb-00 | 24372000/0331767 | Granted | 228847 | 9-Jun-04 | Mexico |
| PA601IDF | PA601PRC | Vehicle communication system | 3-Apr-00 | 98809789.3 | Granted | 2198809789.3 | 25-Jun-03 | China P.R. |
| PA615IDF | PA615CAN | Vehicle Communication System | 19-Aug-98 | 2245312 | Granted | 2245312 | 27-Sep-04 | Canada |
| PA615IDF | PA615 | Truck Communication System Method and Apparatus for Dynamic Address Allocation in a Wireless Communication System | 19-Aug-97 | 08/914,102 | Granted | 6,026,793 | 15-Feb-00 | United States |
| PA620IDF | PA620 | Mounting Arrangement for Microwave Power Amplifier | 28-Aug-98 | 08/143,635 | Granted | 6,181,931 | 30-Jan-01 | United States |
| PA625IDF | PA625 | Method and apparatus for automatic event detection in a wireless communication system | 4-Sep-93 | 99/146,832 | Granted | 5,272,741 | 24-Apr-01 | United States |
| PA650IDF | PA650CAN | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 12-May-00 | 2309929 | Granted | 2309929 | 20-May-03 | Canada |
| PA650IDF | PA650MEX | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 15-May-00 | 4709 | Granted | 215950 | 20-Aug-03 | Mexico |
| PA650IDF | PA650 | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 15-Sep-98 | 09/153,732 | Granted | 6,174,910 | 26-Sep-00 | United States |
| PA650HDF | PA650HK | Method and Apparatus for detecting when a vehicle has arrived or departed from a planned or an unplanned stop | 9-Feb-01 | 03100955.1 | Granted | 1031451 | 3-Feb-05 | Hong Kong |
| PA650IDF | PA650BRA | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 15-May-00 | 99906949.0 | Filed | | | Brazil |
| PA650IDF | PA650ES | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 23-Sep-05 | 2745137 | Granted | 1031123 | 6-Jul-05 | Spain |
| PA650IDF | PA650DE | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 11-May-06 | 69976049.3 | Granted | 1031123 | 6-Jul-05 | Germany |
| PA650HDF | PA650EPO | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 15-May-00 | 99969171.D | Granted | EP1031123 | 6-Jul-05 | European Patent Convention |

Exhibit A to Patent Assignment Agreement

| Disclosure Number | Docket Number | Application Title | National Filing Date | Application Number | Patent Status | Grant Number | Grant Date | Country |
|-------------------|---------------|---|----------------------|--------------------|---------------|--------------|------------|---------------|
| PA650DF | PA650DT | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 6-Jul-05 | 99969171.0 | Granted | 1031123 | 6-Jul-05 | Italy |
| PA650DF | PA650DS | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 6-Jul-05 | 99969171.0 | Granted | 1031123 | 6-Jul-05 | Great Britain |
| PA650DF | PA650DU | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 6-Jul-05 | 99969171.0 | Granted | 1031123 | 6-Jul-05 | Luxembourg |
| PA650DF | PA650DV | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 6-Jul-05 | 99969171.0 | Granted | 1031123 | 6-Jul-05 | Netherlands |
| PA650DF | PA650DR | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 6-Jul-05 | 99969171.0 | Granted | 1031123 | 6-Jul-05 | France |
| PA650DF | PA650DE | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 6-Jul-05 | 99969171.0 | Granted | 1031123 | 6-Jul-05 | Belgium |
| PA650DF | PA650DI | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 6-Jul-05 | 99969171.0 | Granted | 1031123 | 6-Jul-05 | Finland |
| PA650DF | PA650DI | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 15-Jul-05 | 299285 | Granted | 1031123 | 6-Jul-05 | Austria |
| PA650DF | PA650DE | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 6-Jul-05 | 99969171.0 | Granted | 1031123 | 6-Jul-05 | Sweden |
| PA650DF | PA650DI | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 6-Jul-05 | 99969171.0 | Granted | 1031123 | 6-Jul-05 | Ireland |
| PA650DF | PA650DK | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 6-Jul-05 | 99969171.0 | Granted | 1031123 | 6-Jul-05 | Denmark |
| PA650DF | PA650CH | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 6-Jul-05 | 99969171.0 | Granted | 1031123 | 6-Jul-05 | Switzerland |
| PA650DF | PA650MC | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 6-Jul-05 | 99969171.0 | Granted | 1031123 | 6-Jul-05 | Monaco |
| PA650DF | PA650CY | Method and Apparatus for Automatic Event Detection in a Wireless Communication System | 22-Sep-05 | 20050402891 | Granted | 1031123 | 6-Jul-05 | Cyprus |

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