

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECOND LIEN SECURITY AGREEMENT OF REEL/FRAME 034088/0728
SEQUENCE:	6

CONVEYING PARTY DATA

Name	Execution Date
ROYAL BANK OF CANADA	03/23/2018

RECEIVING PARTY DATA

Name:	XRS CORPORATION
Street Address:	717 N. HARWOOD STREET, SUITE 1300
City:	DALLAS
State/Country:	TEXAS
Postal Code:	75201

PROPERTY NUMBERS Total: 29

Property Type	Number
Patent Number:	5953319
Patent Number:	6639898
Patent Number:	7089322
Patent Number:	6947737
Patent Number:	7230944
Patent Number:	7068992
Patent Number:	7024199
Patent Number:	7136642
Patent Number:	7162238
Patent Number:	6938099
Patent Number:	6904363
Patent Number:	7043365
Patent Number:	7401741
Patent Number:	7802729
Patent Number:	7784707
Patent Number:	8626568
Application Number:	14071382
Application Number:	14146803
Application Number:	13729951

PATENT

Property Type	Number
Application Number:	13729987
Application Number:	13730020
Application Number:	13730046
Application Number:	13730138
Application Number:	13730165
Application Number:	13730187
Application Number:	13730206
Application Number:	13730237
Application Number:	13730264
Application Number:	14061456

CORRESPONDENCE DATA

Fax Number: (800)494-7512

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 202-370-4750

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Address Line 2: COGENCY GLOBAL INC.

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER: F176179 PT RLSE 2L OMNI 6

NAME OF SUBMITTER: ALAN DELANEY

SIGNATURE: /Alan Delaney/

DATE SIGNED: 03/26/2018

Total Attachments: 13

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**RELEASE OF SECURITY INTEREST IN
INTELLECTUAL PROPERTY COLLATERAL**

This **RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL** (this “**Release**”), dated as of March 23, 2018 is made by **ROYAL BANK OF CANADA**, as Agent (defined below) in favor of the Pledgors listed on Schedule I hereto.

WITNESSETH

WHEREAS, in connection with that certain Second Lien Security Agreement dated as of November 25, 2013 (as amended, restated, supplemented or otherwise modified from time to time, the “**Security Agreement**”), by and among Omnitracs Holdings, LLC, a Delaware limited liability company (f/k/a Coronado Guarantor, LLC, “**Holdings**”), Omnitracs Midco, LLC, a Delaware limited liability company (f/k/a Coronado Holdings, LLC, the “**Initial Borrower**”), Omnitracs, LLC, a Delaware limited liability company (f/k/a Omnitracs, Inc., “**Omni**” and together with the Initial Borrower, the “**Borrowers**” and each a “**Borrower**”), the subsidiary guarantors from time to time party thereto (together with Holdings, the “**Guarantors**”), as pledgors, assignors and debtors (Borrowers, together with the Guarantors, in such capacities and together with any successors in such capacities, the “**Pledgors**,” and each, a “**Pledgor**”), the Lenders party thereto (the “**Lenders**”) and Royal Bank of Canada, as Administrative Agent and Collateral Agent (in such capacities, the “**Agent**”), the Lenders severally agreed to make extensions of credit to the Borrower;

WHEREAS, pursuant to the Security Agreement, Pledgor was required to execute and deliver (i) that certain Second Lien Trademark Security Agreement, dated as of November 25, 2013, as supplemented by that certain Second Lien Trademark Supplement, dated as of December 19, 2013, and as further supplemented by that certain Second Lien Trademark Supplement, dated as of October 31, 2014 (as amended, restated, further supplemented or otherwise modified from time to time, the “**Trademark Security Agreement**”), (ii) that certain Second Lien Patent Security Agreement, dated as of November 25, 2013, as supplemented by that certain Second Lien Patent Supplement, each dated as of December 19, 2013 and as further supplemented by that certain Second Lien Patent Supplement, dated as of October 31, 2014 (as amended, restated, further supplemented or otherwise modified from time to time, the “**Patent Security Agreement**”) and (iii) that certain and Second Lien Copyright Security Agreement, dated November 25, 2013 (the “**Copyright Security Agreement**” and, together with the Trademark Security Agreement and the Patent Security Agreement, the “**IP Security Agreements**”). All capitalized terms used herein but not otherwise defined herein shall have the meanings assigned thereto in the Trademark Security Agreement, the Patent Security Agreement and the Copyright Security Agreement, as applicable;

WHEREAS, pursuant to the IP Security Agreements, the Pledgors granted continuing security interests in the Trademark Collateral, the Patent Collateral and the Copyright Collateral, as applicable, including without limitation the intellectual property as listed on Schedule I attached hereto (the “**Intellectual Property Collateral**”);

WHEREAS, the Trademark Security Agreement and each supplement thereto was recorded in the United States Patent and Trademark Office (the “**USPTO**”) on the date and in the reel and frame numbers as set forth on Annex I hereto;

WHEREAS, the Patent Security Agreement and each supplement thereto was recorded in the USPTO on the date and in the reel and frame numbers as set forth on Annex II hereto;

WHEREAS, the Copyright Security Agreement was recorded in the United States Copyright Office (the “**Copyright Office**”) on the date and in the volume and document number as set forth on Annex III hereto; and

WHEREAS, the Copyright Security Agreement was recorded in the United States Copyright Office (the “**Copyright Office**”) on the date and in the volume and document number as set forth on Annex III hereto; and

NOW THEREFORE, Agent hereby irrevocably (i) releases, without representation, recourse or warranty whatsoever, all of its security interest in all Intellectual Property owed by the Pledgor including Intellectual Property Collateral, whether granted pursuant to any agreement or document delivered in connection with the Security Agreement, and Agent hereby reassigns any and all such right, title and interest (if any) that Agent may have in the Intellectual Property Collateral to the Pledgor and (ii) terminates the Trademark Security Agreement, the Patent Security Agreement and the Copyright Security Agreement.

The Agent hereby authorizes that this Release may be recorded by or for the Pledgor (or its designees), at the Pledgor’s expense, with the U.S. Patent and Trademark Office, the United States Copyright Office or any similar office or agency within or outside the United States.

The Agent agrees, at Pledgor's sole cost and expense, to cooperate with Pledgor and to provide Pledgor with the information, additional authorization and assistance (including, without limitation, the execution and delivery of any documents or other instruments) reasonably required to effect the release of the Agent’s security interest in the released collateral described herein.

This Release and the rights and obligations of the parties hereto shall be governed by, and construed and interpreted in accordance with, the laws of the State of New York.

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IN WITNESS WHEREOF, the Agent has caused this Release to be duly executed and delivered as of the date first written above.

ROYAL BANK OF CANADA, as Agent

By: 
Name: **Rodica Dutka**
Title: **Manager, Agency**

[Signature Page to Second Lien Release of Security Interest in Intellectual Property Collateral]

PATENT

REEL: 045727 FRAME: 0451

SCHEDULE I
to
RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL

OMNITRACS, LLC (f/k/a OMNITRACS, INC.)
ROADNET TECHNOLOGIES, INC.
ROADNET HOLDINGS CORPORATION
XRS CORPORATION

All with an address of: 717 N. Harwood Street, Suite 1300 Dallas TX 75201

Annex II
Patents

Second Lien Patent Security Agreement dated November 25, 2013, between OMNITRACS, LLC (f/k/a OMNITRACS, INC.), as Pledgor and Royal Bank of Canada, as agent for the Lenders, recorded on December 13, 2013, at Reel/Frame 031814/0843.

Second Lien Patent Supplement dated December 19, 2013, between ROADNET TECHNOLOGIES, INC., ROADNET HOLDINGS CORPORATION and Royal Bank of Canada, as Agent for the Lenders, recorded on November 16, 2015, at Reel/Frame 037049/0798

Second Lien Patent Supplement dated October 31, 2014, between XRS Corporation, as Pledgor and Royal Bank of Canada, as Agent for the Lenders, recorded on November 3, 2014, at Reel /Frame 034088/0904.

United States Patent Applications:

OWNER	REGISTRATION NUMBER	TITLE
Qualcomm, Inc.	6,215,282	Battery charging system employing multi-mode low power fast charge process
Qualcomm, Inc.	6,437,702	Cargo sensing system and method
Qualcomm, Inc.	7,072,689	Lock and Release Mechanism for a Wireless Device
Qualcomm, Inc.	7,024,321	Battery monitoring system with low power and end-of-life messaging and shutdown
Qualcomm, Inc.	7,242,279	Method and Apparatus for Providing a Proof of Delivery Verification for Freight Transportation Systems
Qualcomm, Inc.	6,922,133	Method and Apparatus for Providing a Proof of Delivery Verification for Freight Transportation Systems
Qualcomm, Inc.	6,778,068	Electronic Locking Device and Method of Operating Same
Qualcomm, Inc.	7,711,591	Method and apparatus for providing virtual capacity to a provider of services
Qualcomm, Inc.	7,212,984	Method and Apparatus for Providing Virtual Capacity to a Provider of Services
Qualcomm, Inc.	6,512,495	Concave Reflector with Phase Shifted and Selectively Focused output Energy
Qualcomm, Inc.	5,680,328	Computer Assisted Driver Vehicle Inspection Reporting System
Qualcomm, Inc.	5,954,773	Vehicle State Mileage Determination System
Qualcomm, Inc.	6,011,461	Detection of truck speed sensor failure using GPS
Qualcomm, Inc.	6,181,995	Vehicle State Mileage Determination System
Qualcomm, Inc.	6,772,234	System and Method for Indicating the Improper Removal of a Storage Medium Before Completion of a Write Cycle
Qualcomm, Inc.	7,126,464	Method and Apparatus for Controlling a Valve During a Hazard Event

Qualcomm, Inc.	7,765,297	System for providing online service reports
Qualcomm, Inc.	8,078,117	Asset apparency method and apparatus
Qualcomm, Inc.	8,064,841	Asset apparency method and apparatus
Qualcomm, Inc.	6,925,308	Auto-fill Message Fields in a Communication Terminal
Qualcomm, Inc.	8,078,114	Method and apparatus for determining propagation delays for use in wide area networks
Qualcomm, Inc.	8,463,194	Method and apparatus for determining propagation delays for use in wide area networks
Qualcomm, Inc.	7,363,009	Method and Apparatus for Determining Propagation Delays for Use in Wide Area Networks
Qualcomm, Inc.	8,427,290	Method and apparatus for providing a hazardous material alert
Qualcomm, Inc.	8,115,608	Method and apparatus for providing a hazardous material alert
Qualcomm, Inc.	7,660,658	Apparatus and methods for speed management and control
Qualcomm, Inc.	6,810,235	Method and Apparatus for Detecting Communication Network Delays
Qualcomm, Inc.	7,751,508	Multi-resolution frequency tracking loop system and method
Qualcomm, Inc.	D495,322	Driver Interface Unit(DIU)
Qualcomm, Inc.	7,561,028	Method and apparatus for providing a personal security system
Qualcomm, Inc.	7,714,719	Field disturbance sensor utilizing leaky or radiating coaxial cable for a conformable antenna pattern
Qualcomm, Inc.	7,612,668	System for providing a virtual vehicle boundary
Qualcomm, Inc.	7,327,250	System for Providing a Virtual Vehicle Boundary
Qualcomm, Inc.	6,972,724	Self-Correcting Mobile Antenna Control System and Method
Qualcomm, Inc.	7,463,899	Methods and Apparatus for Detecting Local Maximums in a Two-Dimensional Data Set
Qualcomm, Inc.	7,619,506	Device for sensing tractor trailer connection
Qualcomm, Inc.	7,990,964	System for message delivery to field personnel
Qualcomm, Inc.	7,339,460	Method and Apparatus for Detecting Cargo State in a Delivery Vehicle
Qualcomm, Inc.	8,396,488	Method and apparatus for interlocking communication and tracking applications in a wireless communication device
Qualcomm, Inc.	7,853,271	Method and apparatus for interlocking communication and tracking applications in a wireless communication device
Qualcomm, Inc.	7,595,642	Battery management system for determining battery charge sufficiency for a task
Qualcomm, Inc.	D549,116	CDMA Wireless Untethered Trailer Tracking Terminal
Qualcomm, Inc.	D548,629	CDMA Wireless Untethered Trailer

		Tracking Terminal
Qualcomm, Inc.	D548,630	Structural Portions of a CDMA Wireless Untethered Trailer Tracking Terminal
Qualcomm, Inc.	7,616,105	Methods and apparatus for providing hours of service management
Qualcomm, Inc.	8,275,307	Vehicle audio integrator
Qualcomm, Inc.	7,999,702	Method and apparatus for obtaining weather information from road-going vehicles
Qualcomm, Inc.	8,359,010	Interactive control of access to services and capabilities of a mobile device
Qualcomm, Inc.	8,150,371	Interactive control of access to services and capabilities of a mobile device
Qualcomm, Inc.	8,024,114	Navigation data quality feedback
Qualcomm, Inc.	8,559,937	Wireless system for providing critical sensor alerts for equipment
Qualcomm, Inc.	7,844,258	Method and apparatus to indicate communication is wanted or waiting
Qualcomm, Inc.	7,336,241	GPS radome-mounted antenna assembly
Qualcomm, Inc.	7,760,077	Establishing and securing a unique wireless RF link between a tractor and a trailer using a wired connection
Qualcomm, Inc.	D571,308	Remote control device
Qualcomm, Inc.	D571,306	Remote control device
Qualcomm, Inc.	D589,461	Remote control device
Qualcomm, Inc.	D571,307	Remote control device
Qualcomm, Inc.	D588,554	Remote control device
Qualcomm, Inc.	8,286,463	Method for determining the null point of a gyroscope
Qualcomm, Inc.	8,000,843	Critical event reporting
Qualcomm, Inc.	7,725,216	Critical event reporting
Qualcomm, Inc.	D551,665	Media display unit
Qualcomm, Inc.	D554,636	Media display unit
Qualcomm, Inc.	D555,649	Media display unit
Qualcomm, Inc.	8,005,498	Mobile group data distribution
Qualcomm, Inc.	8,410,992	Fluorescent dye to improve primer coverage accuracy for bonding applications
Qualcomm, Inc.	8,038,815	Fluorescent dye to improve primer coverage accuracy for bonding applications
Qualcomm, Inc.	8,027,645	Systems and methods for automatically tuning a frequency modulator in a mobile device
Qualcomm, Inc.	8,478,288	Systems and methods for automatically searching a database to tune a frequency modulator in a mobile device
Qualcomm, Inc.	7,929,482	Data rate selection in a constant power variable data rate two-way mobile satellite communication link
Qualcomm, Inc.	8,508,352	Hardware continuity loop for preventing vehicle misappropriation
Qualcomm, Inc.	8,170,540	System and methods for remotely upgrading software applications
Qualcomm, Inc.	7,894,826	Vehicle identification system
Qualcomm, Inc.	8,471,649	Ku-band diplexer

Qualcomm, Inc.	8,140,137	Compact display unit
Qualcomm, Inc.	8,179,286	System and method for sensing cargo loads and trailer movement
Qualcomm, Inc.	8,405,361	System and method for charging a rechargeable battery
Qualcomm, Inc.	8,538,775	Mobile wireless medication management system
Qualcomm, Inc.	8,463,546	Method and apparatus for providing navigation support for private premises
Qualcomm, Inc.	8,538,838	System for pairing vehicle components
Qualcomm, Inc.		System for pairing vehicle components
Qualcomm, Inc.	D581,299	Dual transducer cargo sensor device
Qualcomm, Inc.		Wireless provisioning solution for target devices
Qualcomm, Inc.	8,331,923	Wireless provisioning solution for target devices
Qualcomm, Inc.	8,589,019	Systems and methods for vehicle monitoring with processing interruption tolerance
Qualcomm, Inc.	6,990,336	Mobile Reporting Module Employing Timing and Message Consolidation to Economize Transmissions
Qualcomm, Inc.	6,907,253	Method and Apparatus for High Density Message Coding
Qualcomm, Inc.	6,526,341	Paperless log system and method
Qualcomm, Inc.	6,317,668	Paperless Log System and Method
Qualcomm, Inc.	6,421,590	Paperless Log System and Method
Qualcomm, Inc.	D503,350	Universal Mount Cargo Status Sensor Device
Qualcomm, Inc.	5,708,446	Printed Circuit Antenna Array Using Corner Reflector
Qualcomm, Inc.	5,434,548	Coaxial-Waveguide Rotary Coupling Assemblage
Qualcomm, Inc.	5,880,958	Method and Apparatus for Freight Transportation Using a Satellite Navigation System
Qualcomm, Inc.	6,084,870	Method and Apparatus for the Remote Monitoring and Configuration of Electronic Control Systems
Qualcomm, Inc.	5,974,356	System and Method for Determining Vehicle Travel Routes and Mileage
Qualcomm, Inc.	5,586,130	Method and Apparatus for Detecting Fault Conditions in a Vehicle Data Recording Device to Detect Tampering or Unauthorized Access
Qualcomm, Inc.	5,815,071	Method and Apparatus for Monitoring Parameters of Vehicle Electronic Control Units
Qualcomm, Inc.	5,678,196	Method and Apparatus for Displaying Messages in Vehicular Communications Systems
Qualcomm, Inc.	5,734,136	Keypad Assembly with Moisture Excluding Seal.
Qualcomm, Inc.	6,007,378	Locking boot system
Qualcomm, Inc.	6,073,007	Wireless Fleet Communications System for

		Providing Separable Communications Services
Qualcomm, Inc.	RE44,201	Wireless fleet communications system for providing separable communications services
Qualcomm, Inc.	5,982,333	Steerable Antenna System
Qualcomm, Inc.	6,108,591	Method and apparatus for validating vehicle operators
Qualcomm, Inc.	6,070,835	Ball-Compression Grommet
Qualcomm, Inc.	6,026,292	Truck Communication System
Qualcomm, Inc.	6,181,931	Method and Apparatus for Dynamic Address Allocation in a Wireless Communication System
Qualcomm, Inc.	6,222,741	Mounting Arrangement for Microwave Power Amplifier
Qualcomm, Inc.	6,124,810	Method and Apparatus for Automatic Event Detection in a Wireless Communication System

United States Patent Applications:

OWNER	TITLE	APPLICATION NUMBER
Qualcomm, Inc.	Vehicle security system and method	10/674,041
Qualcomm, Inc.	Vehicle security system and method	12/498,731
Qualcomm, Inc.	Method and apparatus for dynamic control of engine settings in a delivery vehicle	11/394,060
Qualcomm, Inc.	Wireless device caching data proxy	11/763,164
Qualcomm, Inc.	Digital over-the-air keying system	12/282,716
Qualcomm, Inc.	Method and apparatus for obtaining weather information from road-going vehicles	13/179,407
Qualcomm, Inc.	System for providing dynamic group and service assignments	11/097,664
Qualcomm, Inc.	Method and apparatus for separable voice billing for business and personal airtime use	11/777,026
Qualcomm, Inc.	Wireless system for automatic ordering of maintenance parts for equipment	11/230,759
Qualcomm, Inc.	Method and apparatus for asset geofencing	11/346,495
Qualcomm, Inc.	Method and apparatus for enhanced privacy while	11/345,997

	tracking mobile workers	
Qualcomm, Inc.	Method and apparatus to signal rental asset use completion	11/346,012
Qualcomm, Inc.	Method and apparatus to indicate communication is wanted or waiting	12/912,488
Qualcomm, Inc.	Apparatus and method for measuring operational data for equipment using sensor breach durations	11/777,235
Qualcomm, Inc.	Reefer fuel tax reporting for the transport industry	11/768,798
Qualcomm, Inc.	Driver notification	11/520,206
Qualcomm, Inc.	Routing drivers to trailers effectively	11/858,876
Qualcomm, Inc.	System and methods for remotely upgrading software applications	13/461,396
Qualcomm, Inc.	Method and apparatus for the distribution of configuration data	12/376,725
Qualcomm, Inc.	Vehicle identification system	12/986,829
Qualcomm, Inc.	Ku-band coaxial to microstrip mixed dielectric PCB interface with surface mount diplexer	12/376,759
Qualcomm, Inc.	Compact display unit	13/424,992
Qualcomm, Inc.	Pourover journaling	12/053,157
Qualcomm, Inc.	System and method for sensing cargo loads and trailer movement	13/472,288
Qualcomm, Inc.	Systems and methods for determining a speed limit violation	12/428,574
Qualcomm, Inc.	Context aware message presentation system	12/261,237
Qualcomm, Inc.	System for alerting remote vehicle operator of unsafe transportation network conditions	11/839,446
Qualcomm, Inc.	Method of monitoring canbus information	12/020,464
Qualcomm, Inc.	System for pairing vehicle components	13/965,432
Qualcomm, Inc.	Wireless provisioning solution for target devices	13/671,740
Qualcomm, Inc.	Systems and methods for processing operational gear data of a vehicle	13/623,588
Qualcomm, Inc.	Systems for and methods of engine derating	13/628,881
Qualcomm, Inc.	System and method for	12/704,038

	integrating smartphone technology into a safety management platform to improve driver safety	
Qualcomm, Inc.	Method and system for collecting, analyzing and displaying fleet performance data	13/623,649
Qualcomm, Inc.	System and method for generating real-time alert notifications in an asset tracking system	13/718,798
Qualcomm, Inc.	Systems and methods for processing location- and entitybased workflow data	13/623,600
Qualcomm, Inc.	Systems and methods for processing vehicle data to report performance data interchangeably	13/623,613
Qualcomm, Inc.	Solar powered apparatus having a thermally decoupled solar panel for tracking a portable asset	13/371,747
Qualcomm, Inc.	Managing selective access of a user equipment to internet-based services based on transport type	13/560,814
Qualcomm, Inc.	Systems and methods for performing over-the-air activation while roaming	13/788,953
Qualcomm, Inc.	Off-board hours-of-service ("HOS") processing	13/789,304
Qualcomm, Inc.	Flexible Time-based Aggregated Derivations for Advanced Analytics	N/A (Docketed)

Pat./Pub. No.	App. No.	Priority Date	S&S Ref. No.	Status	Title
5,953,319	08/536,719	09-29-1995	1029-015US01	Issued	WIDE AREA MOBILE COMMUNICATION NETWORKS WITH MULTIPLE ROUTING MODE OPTIONS
6,639,898	09/318,266	09-29-1995	1029-015US02	Issued	WIDE AREA MOBILE COMMUNICATION NETWORKS WITH MULTIPLE ROUTING MODE OPTIONS
7,089,322	09/697,316	10-28-1999	1029-016US01	Issued	SYSTEM AND METHOD OF AGGREGATING DATA FROM A PLURALITY OF DATA GENERATING MACHINES
6,947,737	09/958,752	12-30-1999	1029-014US01	Issued	SYSTEM AND METHOD OF TRANSMITTING DATA MESSAGES BETWEEN SUBSCRIBER UNITS COMMUNICATING WITH/BETWEEN COMPLEMENTARY/DISPARATE NETWORKS
7,230,944	10/440,367	12-30-1999	1029-014US02	Issued	SYSTEM AND METHOD OF HOST ROUTING WHEN HOST COMPUTER IS WITHIN A HOME NETWORK AND/OR A COMPLEMENTARY NETWORK
7,068,992	10/606,305	12-30-1999	1029-014US03	Issued	SYSTEM AND METHOD OF POLLING WIRELESS DEVICES HAVING A SUBSTANTIALLY FIXED AND/OR PREDESIGNATED GEOGRAPHIC LOCATION
7,024,199	10/614,391	12-30-1999	1029-014US04	Issued	SYSTEM AND METHOD OF QUERYING A DEVICE, CHECKING DEVICE ROAMING HISTORY AND/OR OBTAINING DEVICE MODEM STATISTICS WHEN DEVICE IS WITHIN A HOME NETWORK AND/OR COMPLEMENTARY NETWORK
7,136,642	11/370,103	12-30-1999	1029-014US06	Issued	SYSTEM AND METHOD OF QUERYING A DEVICE, CHECKING DEVICE ROAMING HISTORY AND/OR OBTAINING DEVICE MODEM STATISTICS WHEN DEVICE IS WITHIN A HOME NETWORK AND/OR A COMPLEMENTARY NETWORK
7,162,238	11/370,104	12-30-1999	1029-014US07	Issued	SYSTEM AND METHOD OF QUERYING A DEVICE, CHECKING DEVICE ROAMING HISTORY AND/OR OBTAINING DEVICE MODEM STATISTICS WHEN DEVICE IS WITHIN A HOME NETWORK AND/OR A COMPLEMENTARY NETWORK
6,938,099	09/917,937	07-31-2000	1029-013US01	Issued	COMMUNICATION SYSTEM WITH WIRELESS ELECTRONIC MAIL OR MESSAGING INTEGRATED AND/OR ASSOCIATED WITH APPLICATION PROGRAM RESIDING ON REMOTE COMPUTING DEVICE
6,904,363	10/223,603	08-20-2002	1029-012US01	Issued	SYSTEM FOR LOCAL MONITORING
7,043,365	11/141,866	08-20-2002	1029-012US02	Issued	SYSTEM FOR LOCAL MONITORING
7,401,741	11/436,880	05-18-2006	1029-007US01	Issued	PORTABLE DATA STORAGE MODULE
7,802,729	12/145,093	05-18-2006	1029-007US02	Issued	PORTABLE DATA STORAGE MODULE
7,784,707	11/436,381	05-18-2006	1029-008US01	Issued	ENVIRONMENTAL CONDITION MONITORING OF A CONTAINER
8,626,568	13/174,331	06-30-2011	1029-030US01	Issued	FLEET VEHICLE MANAGEMENT SYSTEMS AND METHODS (filed by Fish and Richardson)
	14/071,382	06-30-2011	1029-030US02	Pending	FLEET VEHICLE MANAGEMENT SYSTEMS AND METHODS
	14/146,803	06-30-2011		Pending	FLEET VEHICLE MANAGEMENT SYSTEMS AND METHODS (filed by Fish and Richardson)
	13/729,951	08-10-2012	1029-018US01	Pending	TRANSPORTATION MANAGEMENT TECHNIQUES
	13/729,987	08-10-2012	1029-020US01	Pending	VEHICLE DATA ACQUISITION FOR TRANSPORTATION MANAGEMENT
	13/730,020	08-10-2012	1029-021US01	Pending	DATA TRANSMISSION FOR TRANSPORTATION MANAGEMENT
	13/730,046	08-10-2012	1029-022US01	Pending	VEHICLE DATA AND DRIVER ASSOCIATION FOR TRANSPORTATION MANAGEMENT
	13/730,138	08-10-2012	1029-023US01	Pending	COMMUNICATION TECHNIQUES FOR TRANSPORTATION ROUTE MODIFICATIONS
	13/730,165	08-10-2012	1029-024US01	Pending	COMMERCIAL TRANSPORTATION INFORMATION PRESENTATION TECHNIQUES
	13/730,187	08-10-2012	1029-025US01	Pending	REMOTE DISTRIBUTION OF SOFTWARE UPDATES IN A TRANSPORTATION MANAGEMENT NETWORK
	13/730,206	08-10-2012	1029-026US01	Pending	REMOTE TRANSPORTATION MANAGEMENT
	13/730,237	08-10-2012	1029-027US01	Pending	NETWORK COMMUNICATIONS FOR TRANSPORTATION MANAGEMENT
	13/730,264	08-10-2012	1029-028US01	Pending	VEHICLE DRIVER EVALUATION TECHNIQUES
	14/061,456	10-23-2013	1029-029US01	Pending	TRANSPORTATION EVENT RECORDER FOR VEHICLE

Disclosure Number	Docket Number	Application Title	National Filed Date	Application Number	Patent Status	Grant Number	Grant Date	Country
	RDN-001	Systems and methods for routing and scheduling.	09-May-06	11/382405	Published			United States
	RDN-002	Real-time delivery feasibility analysis systems and methods.	16-Mar-01	09/811375	Granted	6701299	02-Mar-04	United States
	RDN-003	Rush hour modeling for routing and scheduling.	23-Sep-08	12/236306	Granted	8433511	30-Apr-13	United States
	RDN-003/C1	Rush hour modeling for routing and scheduling.	26-Apr-13	13/871554	Published			United States
	RDN-004	Systems and methods for scheduling reoccurring deliveries and pickups.	12-Feb-02	10/076029	Granted	6985871	10-Jan-06	United States
	RDN-004/DV1	Systems and methods for scheduling reoccurring deliveries and pickups.	10-Nov-05	11/271644	Granted	7860738	28-Dec-10	United States