

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT6749541

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST RELEASE (REEL/FRAME: 045723/0359)

CONVEYING PARTY DATA

Name	Execution Date
BARCLAYS BANK PLC, AS GRANTEE	06/04/2021

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 142

Property Type	Number
Patent Number:	D503350
Patent Number:	D495322
Patent Number:	D548629
Patent Number:	D549116
Patent Number:	D548630
Patent Number:	D551665
Patent Number:	D554636
Patent Number:	D555649
Patent Number:	D588554
Patent Number:	D589461
Patent Number:	D571306
Patent Number:	D571307
Patent Number:	D571308
Patent Number:	D581299
Patent Number:	6070835
Patent Number:	6124810
Patent Number:	6181931
Patent Number:	6181995
Patent Number:	6215282
Patent Number:	6222741

PATENT

Property Type	Number
Patent Number:	6317668
Patent Number:	6421590
Patent Number:	6437702
Patent Number:	6512495
Patent Number:	6526341
Patent Number:	6772234
Patent Number:	6778068
Patent Number:	6810235
Patent Number:	6907253
Patent Number:	6922133
Patent Number:	6925308
Patent Number:	6972724
Patent Number:	6990336
Patent Number:	7024321
Patent Number:	7072689
Patent Number:	7126464
Patent Number:	7212984
Patent Number:	7242279
Patent Number:	7327250
Patent Number:	7336241
Patent Number:	7339460
Patent Number:	7363009
Patent Number:	7463899
Patent Number:	7561028
Patent Number:	7595642
Patent Number:	7612668
Patent Number:	7616105
Patent Number:	7619506
Patent Number:	7660658
Patent Number:	7711591
Patent Number:	7714719
Patent Number:	7725216
Patent Number:	7751508
Patent Number:	7760077
Patent Number:	7765297
Patent Number:	7844258
Patent Number:	7853271
Patent Number:	7894826

Property Type	Number
Patent Number:	7929482
Patent Number:	7990964
Patent Number:	7999702
Patent Number:	8000843
Patent Number:	8005498
Patent Number:	8024114
Patent Number:	8027645
Patent Number:	8038815
Patent Number:	8064841
Patent Number:	8078114
Patent Number:	8078117
Patent Number:	8115608
Patent Number:	8140137
Patent Number:	8150371
Patent Number:	8170540
Patent Number:	8179286
Patent Number:	8275307
Patent Number:	8286463
Patent Number:	8331923
Patent Number:	8359010
Patent Number:	8396488
Patent Number:	8405361
Patent Number:	8410992
Patent Number:	8427290
Patent Number:	8463194
Patent Number:	8463546
Patent Number:	8471649
Patent Number:	8478288
Patent Number:	8508352
Patent Number:	8538775
Patent Number:	8538838
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Patent Number:	8594624
Patent Number:	8594653
Patent Number:	8644798
Patent Number:	8660709

Property Type	Number
Patent Number:	8700574
Patent Number:	8706095
Patent Number:	8736397
Patent Number:	8751098
Patent Number:	8779948
Patent Number:	8787880
Patent Number:	8805337
Patent Number:	8843312
Patent Number:	8856288
Patent Number:	8862315
Patent Number:	8868099
Patent Number:	8874088
Patent Number:	8892116
Patent Number:	8897928
Patent Number:	8902590
Patent Number:	9002575
Patent Number:	9008893
Patent Number:	9015059
Patent Number:	9030336
Patent Number:	9147335
Patent Number:	9165416
Patent Number:	9183273
Patent Number:	9189450
Patent Number:	9235938
Patent Number:	9262873
Patent Number:	9305405
Patent Number:	9442963
Patent Number:	9454358
Patent Number:	9536426
Patent Number:	9628968
Patent Number:	9688286
Patent Number:	9713000
Patent Number:	9810542
Patent Number:	9922001
Application Number:	11346012
Application Number:	13560814
Application Number:	13965432
Application Number:	14641036

Property Type	Number
Application Number:	14794601
Application Number:	14799429
Application Number:	14935193
Application Number:	14994381
Application Number:	15011202
Application Number:	15011239
Application Number:	15239547
Application Number:	15416930

CORRESPONDENCE DATA

Fax Number:

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: 800-494-5225

Email: ipteam@cogencyglobal.com

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Address Line 2: COGENCY GLOBAL INC.

Address Line 4: WASHINGTON, D.C. 20036

ATTORNEY DOCKET NUMBER: 1392723 PAT 1L A

NAME OF SUBMITTER: KAREN S. COTTRELL

SIGNATURE: /Karen S. Cottrell/

DATE SIGNED: 06/08/2021

Total Attachments: 22

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RELEASE OF SECURITY INTEREST IN PATENTS

This Release of Security Interest in Patents (this "Release") is effective as of June 4, 2021 by BARCLAYS BANK PLC ("Collateral Agent") in favor of OMNITRACS, LLC, a limited liability company organized under the laws of the State of Delaware ("Omnitracs"), XRS CORPORATION, a Minnesota corporation ("XRS"), ROADNET TECHNOLOGIES, INC., a Delaware corporation ("Roadnet") and SMARTDRIVE SYSTEMS, INC., a Delaware corporation ("SmartDrive" and together with Omnitracs, XRS and Roadnet, "Pledgors"). Capitalized terms used but not otherwise defined herein have the meaning given to them in the Security Agreement (as defined below), or, if not defined therein, in the Credit Agreement (as defined below).

WHEREAS, Omnitracs and Collateral Agent are parties to that certain Credit Agreement, dated as of March 23, 2018 (as amended, restated, amended and restated, supplemented, waived, renewed, replaced or otherwise modified from time to time, the "Credit Agreement"), by and among Omnitracs, Omnitracs Holdings, LLC, each of the other Guarantors party thereto, the Lenders and Issuing Banks from time to time party thereto, and Collateral Agent;

WHEREAS, pursuant to the Credit Agreement, Pledgors executed a Security Agreement dated as of March 23, 2018 (as amended, restated, amended and restated, supplemented, waived, renewed, replaced or otherwise modified from time to time, the "Security Agreement") in favor of Collateral Agent;

WHEREAS, pursuant to the Credit Agreement, (a) Omnitracs executed that certain Patent Security Agreement dated as of March 23, 2018 (the "2018 Omnitracs Patent Security Agreement") between Omnitracs and Collateral Agent, (b) XRS executed that certain Patent Security Agreement dated as of March 23, 2018 (the "2018 XRS Patent Security Agreement") between XRS and Collateral Agent, (c) Roadnet executed that certain Patent Security Agreement dated as of March 23, 2018 (the "2018 Roadnet Patent Security Agreement") between Roadnet and Collateral Agent, (d) Omnitracs executed that certain Supplemental Patent Security Agreement dated as of March 29, 2019 (the "March 2019 Omnitracs Patent Security Agreement") between Omnitracs and Collateral Agent, (e) Omnitracs executed that certain Supplemental Patent Security Agreement dated as of May 31, 2019 (the "May 2019 Omnitracs Patent Security Agreement") between Omnitracs and Collateral Agent, (f) Omnitracs and XRS executed that certain Patent Security Agreement dated as of August 29, 2019 (the "Omnitracs and XRS Omnitracs Patent Security Agreement") between Omnitracs, XRS and Collateral Agent, (g) Omnitracs executed that certain Patent Security Agreement dated as of January 30, 2020 (the "January 2020 Omnitracs Patent Security Agreement") between Omnitracs and Collateral Agent and (h) Smartdrive executed that certain Patent Security Agreement dated as of October 1, 2020 between Smartdrive and Collateral Agent (the "2020 Smartdrive Omnitracs Patent Security Agreement" and together with the 2018 Omnitracs Patent Security Agreement, the 2018 XRS Patent Security Agreement, the 2018 Roadnet Patent Security Agreement, the March 2019 Omnitracs Patent Security Agreement, the March 2019 Omnitracs Patent Security Agreement, the May 2019 Omnitracs Patent Security Agreement, the Omnitracs and XRS Patent

Security Agreement, the January 2020 Omnitracs Patent Security Agreement and the 2020 Smartdrive Patent Security Agreement, the “Patent Security Agreements”) whereby each Pledgor granted to Collateral Agent a continuing security interest in all of the Patent Collateral (as such term is defined in the applicable Patent Security Agreement) of such Pledgor, including, without limitation, the patents listed on Exhibit A through H hereto, as security for the payment or performance, as the case may be, in full of the Secured Obligations ;

WHEREAS, the 2018 Omnitracs Patent Security Agreement, including the patents and patent applications listed on Exhibit A, was recorded with the patent division of the United States Patent and Trademark Office on March 26, 2018 at Reel/Frame 045723/0359;

WHEREAS, the 2018 XRS Patent Security Agreement, including the patents and patent applications listed on Exhibit B, was recorded with the patent division of the United States Patent and Trademark Office on March 26, 2018 at Reel/Frame 045352/0749;

WHEREAS, the 2018 Roadnet Patent Security Agreement, including the patents and patent applications listed on Exhibit C, was recorded with the patent division of the United States Patent and Trademark Office on March 26, 2018 at Reel/Frame 045352/0742;

WHEREAS, the March 2019 Omnitracs Patent Security Agreement, including the patents and patent applications listed on Exhibit D, was recorded with the patent division of the United States Patent and Trademark Office on May 29, 2019 at Reel/Frame 049308/0988;

WHEREAS, the May 2019 Omnitracs Patent Security Agreement, including the patents and patent applications listed on Exhibit E, was recorded with the patent division of the United States Patent and Trademark Office on May 31, 2019 at Reel/Frame 049334/0531;

WHEREAS, the Omnitracs and XRS Patent Security Agreement, including the patents and patent applications listed on Exhibit F, was recorded with the patent division of the United States Patent and Trademark Office on August 29, 2019 at Reel/Frame 050210/0807;

WHEREAS, the January 2020 Omnitracs Patent Security Agreement, including the patents and patent applications listed on Exhibit G, was recorded with the patent division of the United States Patent and Trademark Office on January 30, 2020 at Reel/Frame 051670/0101;

WHEREAS, the 2020 Smartdrive Patent Security Agreement, including the patents and patent applications listed on Exhibit H, was recorded with the patent division of the United States Patent and Trademark Office on October 6, 2020 at Reel/Frame 054236/0320; and

WHEREAS, each Pledgor has requested that the Collateral Agent release its security interest in all right, title and interest in, to and under all of the Patent Collateral.

NOW, THEREFORE, intending to be legally bound hereby and in connection with each Patent Security Agreement, Collateral Agent hereby (i) releases the continuing security interest and continuing lien upon, and terminates its security interest in, and all other rights, title and interest in and to, the Patent Collateral (as defined in each Patent Security Agreement) including,

without limitation, the patents listed on Exhibit A through H hereto, without any recourse, representation or warranty, (ii) terminates each Patent Security Agreement, and (iii) re-assigns to Pledgors, any right, title or interest Collateral Agent may have in, to or under the Patent Collateral under the Credit Agreement, the Security Agreement or the Patent Security Agreements, together with the goodwill of the business symbolized thereby, and hereby authorizes Pledgors or Pledgors' authorized representative or designee to record this Release with the United States Patent and Trademark Office as evidence of such release and termination.

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

[Signature Page Follows]

IN WITNESS WHEREOF, Grantee duly executes this Release, which is effective as of the day and year first written above.

BARCLAYS BANK PLC, as Grantee

By: Robert Walsh
Name: Robert Walsh
Title: Assistant Vice President

EXHIBIT A

PATENTS

2018 Omnitracs Patent Security Agreement

Reel/Frame 045723/0359

United States Patents:

OWNER	TITLE	PATENT NUMBER
Omnitracs, LLC	Universal mount cargo status sensor device	D503350
Omnitracs, LLC	Driver interface unit (DIU)	D495322
Omnitracs, LLC	CDMA wireless untethered trailer tracking terminal	D548629
Omnitracs, LLC	CDMA wireless untethered trailer tracking terminal	D549116
Omnitracs, LLC	Structural portions of a CDMA wireless untethered trailer tracking terminal	D548630
Omnitracs, LLC	Media display unit	D551665
Omnitracs, LLC	Media display unit	D554636
Omnitracs, LLC	Media display unit	D555649
Omnitracs, LLC	Remote control device	D588554
Omnitracs, LLC	Remote control device	D589461
Omnitracs, LLC	Remote control device	D571306
Omnitracs, LLC	Remote control device	D571307
Omnitracs, LLC	Remote control device	D571308
Omnitracs, LLC	Dual transducer cargo sensor device	D581299
Omnitracs, LLC	Ball-compression grommet	6070835
Omnitracs, LLC	Method and apparatus for automatic event detection in a wireless communication system	6124810
Omnitracs, LLC	Method and apparatus for dynamic address allocation in a wireless communication system	6181931
Omnitracs, LLC	Vehicle state mileage determination system	6181995
Omnitracs, LLC	Battery charging system employing multi-mode low power fast charge process	6215282
Omnitracs, LLC	Mounting arrangement for microwave power amplifier	6222741
Omnitracs, LLC	Paperless log system and method	6317668
Omnitracs, LLC	Paperless log system and method	6421590
Omnitracs, LLC	Cargo sensing system and method	6437702
Omnitracs, LLC	Concave reflector with phase shifted and selectively focused output energy	6512495
Omnitracs, LLC	Paperless log system and method	6526341
Omnitracs, LLC	System and method for indicating the improper removal of a storage medium before completion of a write cycle	6772234
Omnitracs, LLC	Electronic locking device and method of operating same	6778068

OWNER	TITLE	PATENT NUMBER
Omnitracs, LLC	Method and apparatus for detecting communication network delays	6810235
Omnitracs, LLC	Method and apparatus for high density message coding	6907253
Omnitracs, LLC	Method and apparatus for providing a proof of delivery verification for freight transportation systems	6922133
Omnitracs, LLC	Auto-fill message fields in a communication terminal	6925308
Omnitracs, LLC	Self-correcting mobile antenna control system and method	6972724
Omnitracs, LLC	Mobile reporting module employing timing and message consolidation to economize transmissions	6990336
Omnitracs, LLC	Battery monitoring system with low power and end-of-life messaging and shutdown	7024321
Omnitracs, LLC	Lock and release mechanism for a wireless device	7072689
Omnitracs, LLC	Method and apparatus for controlling a valve during a hazard event	7126464
Omnitracs, LLC	Method and apparatus for providing virtual capacity to a provider of services	7212984
Omnitracs, LLC	Method and apparatus for providing a proof of delivery verification for freight transportation systems	7242279
Omnitracs, LLC	System for providing a virtual vehicle boundary	7327250
Omnitracs, LLC	GPS radome-mounted antenna assembly	7336241
Omnitracs, LLC	Method and apparatus for detecting cargo state in a delivery vehicle	7339460
Omnitracs, LLC	Method and apparatus for determining propagation delays for use in wide area networks	7363009
Omnitracs, LLC	Methods and apparatus for detecting local maximums in a two-dimensional data set	7463899
Omnitracs, LLC	Method and apparatus for providing a personal security system	7561028
Omnitracs, LLC	Battery management system for determining battery charge sufficiency for a task	7595642
Omnitracs, LLC	System for providing a virtual vehicle boundary	7612668
Omnitracs, LLC	Methods and apparatus for providing hours of service management	7616105
Omnitracs, LLC	Device for sensing tractor trailer connection	7619506
Omnitracs, LLC	Apparatus and methods for speed management and control	7660658
Omnitracs, LLC	Method and apparatus for providing virtual capacity to a provider of services	7711591
Omnitracs, LLC	Field disturbance sensor utilizing leaky or radiating coaxial cable for a conformable antenna pattern	7714719
Omnitracs, LLC	Critical event reporting	7725216
Omnitracs, LLC	Multi-resolution frequency tracking loop system and method	7751508
Omnitracs, LLC	Establishing and securing a unique wireless RF link between a tractor and a trailer using a wired connection	7760077
Omnitracs, LLC	System for providing online service reports	7765297

OWNER	TITLE	PATENT NUMBER
Omnitracs, LLC	Method and apparatus to indicate communication is wanted or waiting	7844258
Omnitracs, LLC	Method and apparatus for interlocking communication and tracking applications in a wireless communication device	7853271
Omnitracs, LLC	Vehicle identification system	7894826
Omnitracs, LLC	Data rate selection in a constant power variable data rate two-way mobile satellite communication link	7929482
Omnitracs, LLC	System for message delivery to field personnel	7990964
Omnitracs, LLC	Method and apparatus for obtaining weather information from road-going vehicles	7999702
Omnitracs, LLC	Critical event reporting	8000843
Omnitracs, LLC	Mobile group data distribution	8005498
Omnitracs, LLC	Navigation data quality feedback	8024114
Omnitracs, LLC	Systems and methods for automatically tuning a frequency modulator in a mobile device	8027645
Omnitracs, LLC	Fluorescent dye to improve primer coverage accuracy for bonding applications	8038815
Omnitracs, LLC	Asset apparency method and apparatus	8064841
Omnitracs, LLC	Method and apparatus for determining propagation delays for use in wide area networks	8078114
Omnitracs, LLC	Asset apparency method and apparatus	8078117
Omnitracs, LLC	Method and apparatus for providing a hazardous material alert	8115608
Omnitracs, LLC	Compact display unit	8140137
Omnitracs, LLC	Interactive control of access to services and capabilities of a mobile device	8150371
Omnitracs, LLC	System and methods for remotely upgrading software applications	8170540
Omnitracs, LLC	System and method for sensing cargo loads and trailer movement	8179286
Omnitracs, LLC	Vehicle audio integrator	8275307
Omnitracs, LLC	Method for determining the null point of a gyroscope	8286463
Omnitracs, LLC	Wireless provisioning solution for target devices	8331923
Omnitracs, LLC	Interactive control of access to services and capabilities of a mobile device	8359010
Omnitracs, LLC	Method and apparatus for interlocking communication and tracking applications in a wireless communication device	8396488
Omnitracs, LLC	System and method for charging a rechargeable battery	8405361
Omnitracs, LLC	Fluorescent dye to improve primer coverage accuracy for bonding applications	8410992
Omnitracs, LLC	Method and apparatus for providing a hazardous material alert	8427290
Omnitracs, LLC	Method and apparatus for determining propagation delays for use in wide area networks	8463194
Omnitracs, LLC	Method and apparatus for providing navigation support for private premises	8463546
Omnitracs, LLC	Ku-band diplexer	8471649

OWNER	TITLE	PATENT NUMBER
Omnitracs, LLC	Systems and methods for automatically searching a database to tune a frequency modulator in a mobile device	8478288
Omnitracs, LLC	Hardware continuity loop for preventing vehicle misappropriation	8508352
Omnitracs, LLC	Mobile wireless medication management system	8538775
Omnitracs, LLC	System for pairing vehicle components	8538838
Omnitracs, LLC	Wireless system for providing critical sensor alerts for equipment	8559937
Omnitracs, LLC	Systems and methods for vehicle monitoring with processing interruption tolerance	8589019
Omnitracs, LLC	Method and apparatus for asset geofencing	8593276
Omnitracs, LLC	Wireless provisioning solution for target devices	8594624
Omnitracs, LLC	System and methods for remotely upgrading software applications	8594653
Omnitracs, LLC	Method and apparatus for separable voice billing for business and personal airtime use	8644798
Omnitracs, LLC	Vehicle security system and method	8660709
Omnitracs, LLC	Pourover journaling	8700574
Omnitracs, LLC	System for providing dynamic group and service assignments	8706095
Omnitracs, LLC	Ku-band coaxial to microstrip mixed dielectric PCB interface with surface mount diplexer	8736397
Omnitracs, LLC	Method of monitoring canbus information	8751098
Omnitracs, LLC	System and method for sensing cargo loads and trailer movement	8779948
Omnitracs, LLC	Wireless device caching data proxy	8787880
Omnitracs, LLC	Context aware message presentation system	8805337
Omnitracs, LLC	Routing drivers to trailers effectively	8843312
Omnitracs, LLC	Method and apparatus for the distribution of configuration data	8856288
Omnitracs, LLC	Systems and methods for processing operational gear data of a vehicle	8862315
Omnitracs, LLC	Vehicle identification system	8868099
Omnitracs, LLC	Method and apparatus to indicate communication is wanted or waiting	8874088
Omnitracs, LLC	Method and apparatus for enhanced privacy while tracking mobile workers	8892116
Omnitracs, LLC	Systems for and methods of engine derating	8897928
Omnitracs, LLC	Solar powered apparatus having a thermally decoupled solar panel for tracking a portable asset	8902590
Omnitracs, LLC	Vehicle security system and method	9002575
Omnitracs, LLC	Systems and methods for vehicle monitoring with processing interruption tolerance	9008893
Omnitracs, LLC	Wireless system for automatic ordering of maintenance parts for equipment	9015059
Omnitracs, LLC	Method and apparatus for obtaining weather information from road-going vehicles	9030336

OWNER	TITLE	PATENT NUMBER
Omnitracs, LLC	System and method for generating real-time alert notifications in an asset tracking system	9147335
Omnitracs, LLC	Digital over-the-air keying system	9165416
Omnitracs, LLC	Systems and methods for processing location - and entity-based workflow data	9183273
Omnitracs, LLC	Method and system for collecting, analyzing and displaying fleet performance data	9189450
Omnitracs, LLC	Apparatus and method for measuring operational data for equipment using sensor breach durations	9235938
Omnitracs, LLC	Systems and methods for processing vehicle data to report performance data interchangeably	9262873
Omnitracs, LLC	Reefer fuel tax reporting for the transport industry	9305405
Omnitracs, LLC	Flexible time-based aggregated derivations for advanced analytics	9442963
Omnitracs, LLC	Distributed over the air programming	9454358
Omnitracs, LLC	Systems and methods for determining a speed limit violation	9536426
Omnitracs, LLC	Driver notification	9628968
Omnitracs, LLC	System and method for integrating smartphone technology into a safety management platform to improve driver safety	9688286
Omnitracs, LLC	Systems and methods for performing over-the-air activation while roaming	9713000
Omnitracs, LLC	Vehicle parking system	9810542
Omnitracs, LLC	Off-board hours-of-service ("hos") processing	9922001

United States Patent Applications:

OWNER	TITLE	APPLICATION NUMBER
Omnitracs, LLC	Method and apparatus to signal rental asset use completion	11346012
Omnitracs, LLC	Managing selective access of a user equipment to internet-based services based on transport type	13560814
Omnitracs, LLC	System for pairing vehicle components	13965432
Omnitracs, LLC	Inter-network messaging for mobile computing platforms	14641036
Omnitracs, LLC	Integration of hours of service and navigation	14794601
Omnitracs, LLC	Driver log analytics system	14799429
Omnitracs, LLC	Advanced warning system	14935193
Omnitracs, LLC	Device communication management in a communication system	14994381
Omnitracs, LLC	Tire pressure optimization system	15011202
Omnitracs, LLC	Communication mining analytics system	15011239
Omnitracs, LLC	Emergency stopping for autonomous commercial vehicles	15239547
Omnitracs, LLC	Vehicle driver activity level determinations and	15416930

EXHIBIT B

PATENTS

2018 XRS Patent Security Agreement

Reel/Frame 045352/0749

OWNER	TITLE	PATENT NUMBER
XRS Corporation	Wide area mobile communication networks with multiple routing mode options	6639898
XRS Corporation	System for local monitoring	6904363
XRS Corporation	Communication system with wireless electronic mail or messaging integrated and/or associated with application program residing on remote computing device	6938099
XRS Corporation	System and method of transmitting data messages between subscriber units communicating with/between complementary/disparate networks	6947737
XRS Corporation	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	7024199
XRS Corporation	System for local monitoring	7043365
XRS Corporation	System and method of polling wireless devices having a substantially fixed and/or predesignated geographic location	7068992
XRS Corporation	System and method of aggregating data from a plurality of data generating machines	7089322
XRS Corporation	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	7136642
XRS Corporation	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	7162238
XRS Corporation	System and method of host routing when host computer is within a home network and/or a complementary network	7230944
XRS Corporation	Portable data storage module	7401741
XRS Corporation	Environmental condition monitoring of a container	7784707
XRS Corporation	Portable data storage module	7802729
XRS Corporation	Fleet vehicle management systems and methods	8626568
XRS Corporation	Remote distribution of software updates in a transportation management network	9014906
XRS Corporation	Transportation management techniques	9014943
XRS Corporation	Vehicle data acquisition for transportation management	9020733
XRS Corporation	Data transmission for transportation management	9064422
XRS Corporation	Commercial transportation information presentation	9262934

OWNER	TITLE	PATENT NUMBER
	techniques	
XRS Corporation	Vehicle data and driver association for Transportation management	9390628
XRS Corporation	Vehicle driver evaluation techniques	9633568
XRS Corporation	Communication techniques For transportation route modifications	9754499

United States Patent Applications:

OWNER	TITLE	APPLICATION NUMBER
XRS Corporation	Remote transportation management	13730206
XRS Corporation	Network communications for transportation management	13730237
XRS Corporation	Transportation event recorder for vehicle	14061456
XRS Corporation	Fleet vehicle managementsystems and methods	14071382
XRS Corporation	Fleet vehicle managementsystems and methods	14146803

EXHIBIT C

PATENTS

2018 Roadnet Patent Security Agreement

Reel/Frame 045352/0742

United States Patents:

OWNER	TITLE	PATENT NUMBER
Roadnet Technologies, Inc.	Real-time delivery feasibility analysis systems and methods	6701299
Roadnet Technologies, Inc.	Systems and methods for scheduling reoccurring deliveries and pickups	6985871
Roadnet Technologies, Inc.	Systems and methods for scheduling reoccurring deliveries and pickups	7860738
Roadnet Technologies, Inc.	Rush hour modeling for routing and scheduling	8433511
Roadnet Technologies, Inc.	Rush hour modeling for routing and scheduling	8768605
Roadnet Technologies, Inc.	Systems and methods for routing and scheduling	9135575

United States Patent Applications: None.

EXHIBIT D

PATENTS

March 2019 Omnitracs Patent Security Agreement

Reel/Frame 049308/0988

United States Patent Applications:

OWNER	TITLE	APPLICATION NUMBER
Omnitracs, LLC	Display Screen With Graphical User Interface	29/612362
Omnitracs, LLC	Display Screen With Transitional Graphical User Interface	29/612376
Omnitracs, LLC	Display Screen With Graphical User Interface	29/612378
Omnitracs, LLC	Display Screen With Transitional Graphical User Interface	29/612381
Omnitracs, LLC	Display Screen With Graphical User Interface	29/612383

EXHIBIT E

PATENTS

May 2019 Omnitracs Patent Security Agreement

Reel/Frame 049334/0531

United States Patent Applications:

OWNER	TITLE	APPLICATION NUMBER
Omnitracs, LLC	Vehicle Control System Based on Detention Time	16/279493
Omnitracs, LLC	System and Method for Managing Movable Objects	16/273401
Omnitracs, LLC	Control System for Platooning of Vehicles	62/806468
Omnitracs, LLC	Vehicle Control System According to Load-Based Service Time	62/810772

EXHIBIT F

PATENTS

Omnitracs and XRS Patent Security Agreement

Reel/Frame 050210/0807

OWNER	TITLE	APPLICATION NUMBER
XRS Corporation	NETWORK COMMUNICATION FOR TRANSPORTATION MANAGEMENT	16/522148
Omnitracs, LLC	SYSTEMS AND METHODS FOR AUTONOMOUSLY CONTROLLING MOVEMENT OF DELIVERY VEHICLES	16/447322
Omnitracs, LLC	CONTROL SYSTEM FOR PLATOONING OF VEHICLES	16/431347
Omnitracs, LLC	INTEGRATION OF HOURS OF SERVICE AND NAVIGATION	16/533267

EXHIBIT G

PATENTS

January 2020 Omnitracs Patent Security Agreement

Reel/Frame 051670/0101

OWNER	TITLE	APPLICATION NUMBER	FILED	STATUS
Omnitracs, LLC	TECHNIQUES FOR IDENTIFYING TRAILERS ASSOCIATED WITH A TRACTOR USING WIRELESS SIGNALS	16/707939	12/09/2019	Pending

EXHIBIT H

PATENTS

2020 Smartdrive Patent Security Agreement

Reel/Frame 054236/0320

OWNER	TITLE	PATENT NUMBER
SmartDrive Systems, Inc.	Systems and methods for managing speed thresholds for vehicles	10683017
SmartDrive Systems, Inc.	Systems and methods for detecting a sitting duck scenario	10684390
SmartDrive Systems, Inc.	Vehicle exception event management systems	20190389307
SmartDrive Systems, Inc.	Autonomous vehicle operator performance tracking	10589750
SmartDrive Systems, Inc.	System and method to detect execution of driving maneuvers	10497187
SmartDrive Systems, Inc.	Autonomous vehicle operator performance tracking	10315666
SmartDrive Systems, Inc.	Systems and methods for using on-board resources of individual vehicles in a fleet of vehicles as a distributed data center	10482686
SmartDrive Systems, Inc.	Measuring operator readiness and Readiness testing triggering in an autonomous vehicle	10705523
SmartDrive Systems, Inc.	Systems and methods for using a distributed data center to create map data	20190325745
SmartDrive Systems, Inc.	Power management systems for automotive video event recorders	10682969
SmartDrive Systems, Inc.	Vehicle event playback apparatus and methods	20180247471
SmartDrive Systems, Inc.	Systems and methods for using a distributed data center to create map data	10062281
SmartDrive Systems, Inc.	Systems and methods for using on-board resources of individual vehicles in a fleet of vehicles as a distributed data center	10102691
SmartDrive Systems, Inc.	Calibrating sensor unit orientation for use in a vehicle monitoring system	10712362
SmartDrive Systems, Inc.	Vehicle event recorders with integrated web server	10404951
SmartDrive Systems, Inc.	Autonomous vehicle operator	10106174

OWNER	TITLE	PATENT NUMBER
	performance tracking	
SmartDrive Systems, Inc.	System and method to detect execution of driving maneuvers	10249105
SmartDrive Systems, Inc.	Measuring operator readiness and readiness testing triggering in an autonomous vehicle	10082790
SmartDrive Systems, Inc.	Vehicle exception event management systems	10471828
SmartDrive Systems, Inc.	Vehicle operator performance history recording, scoring and reporting systems	10339732
SmartDrive Systems, Inc.	Vehicle event recording system and method	10360739
SmartDrive Systems, Inc.	Autonomous vehicle operator performance tracking	9908535
SmartDrive Systems, Inc.	Distributed vehicle event recorder systems having a portable memory data transfer system	10476933
SmartDrive Systems, Inc.	Calibrating sensor unit orientation for use in a vehicle monitoring system	9958473
SmartDrive Systems, Inc.	Rail vehicle event detection and recording system	10358154
SmartDrive Systems, Inc.	System and method to determine responsiveness of a driver of a vehicle to feedback regarding driving behaviors	10081365
SmartDrive Systems, Inc.	Vehicle fuel consumption monitor and feedback systems	10246104
SmartDrive Systems, Inc.	System and method to detect execution of driving maneuvers	10706648
SmartDrive Systems, Inc.	System and method to detect execution of driving maneuvers	9953470
SmartDrive Systems, Inc.	Power management systems for automotive video event recorders	10053032
SmartDrive Systems, Inc.	Vehicle event playback apparatus and methods	10019858
SmartDrive Systems, Inc.	System and method for aggregation display and analysis of rail vehicle event information	9981674
SmartDrive Systems, Inc.	Autonomous vehicle operator performance tracking	9663118
SmartDrive Systems, Inc.	Measuring operator readiness and readiness testing triggering in an autonomous vehicle	9823657
SmartDrive Systems, Inc.	Vehicle event recorder systems and networks having integrated cellular wireless communications systems	9691195

OWNER	TITLE	PATENT NUMBER
SmartDrive Systems, Inc.	Vehicle event recorders with integrated web server	9942526
SmartDrive Systems, Inc.	Systems and methods for capturing and offloading different information based on event trigger type	20170330397
SmartDrive Systems, Inc.	System and method to determine responsiveness of a driver of a vehicle to feedback regarding driving behaviors	9639804
SmartDrive Systems, Inc.	Systems and method to trigger vehicle events based on contextual information	9786104
SmartDrive Systems, Inc.	Memory management in event recording systems	9911253
SmartDrive Systems, Inc.	Rail vehicle event triggering system and method	9908546
SmartDrive Systems, Inc.	Vehicle event recorder systems and networks having integrated cellular wireless communications systems	9472029
SmartDrive Systems, Inc.	Distributed vehicle event recorder systems having a portable memory data transfer system	9679424
SmartDrive Systems, Inc.	Vehicle event recorder systems and networks having integrated cellular wireless communications systems	9566910
SmartDrive Systems, Inc.	Vehicle event recorder systems and networks having integrated cellular wireless communications systems	9545881
SmartDrive Systems, Inc.	Vehicle event recording system and method	9679420
SmartDrive Systems, Inc.	Vehicle event recorders with integrated web server	9402060
SmartDrive Systems, Inc.	Rail vehicle event triggering system method	9296401
SmartDrive Systems, Inc.	System and method for synthesizing rail vehicle event information	9902410
SmartDrive Systems, Inc.	System and method for aggregation display and analysis of rail vehicle event information	9487222
SmartDrive Systems, Inc.	Memory management in event recording systems	9226004
SmartDrive Systems, Inc.	Vehicle operator performance history recording, scoring and reporting systems	9761067
SmartDrive Systems, Inc.	Rail vehicle event detection and recording system	9663127
SmartDrive Systems, Inc.	Vehicle exception event management	9738156

OWNER	TITLE	PATENT NUMBER
	systems	
SmartDrive Systems, Inc.	System and method to detect execution of driving maneuvers	9594371
SmartDrive Systems, Inc.	System and method to detect execution of driving maneuvers	8892310
SmartDrive Systems, Inc.	Power management systems for automotive video event recorders	9554080
SmartDrive Systems, Inc.	Vehicle fuel consumption monitor and feedback systems	9610955
SmartDrive Systems, Inc.	Vehicle event playback apparatus and methods	9501878
SmartDrive Systems, Inc.	Distributed vehicle event recorder systems having a portable memory data transfer system	9183679
SmartDrive Systems, Inc.	Vehicle event recorder systems and networks having integrated cellular wireless communications systems	9208129
SmartDrive Systems, Inc.	Memory management in event recording systems	8880279
SmartDrive Systems, Inc.	Vehicle event playback apparatus and methods	9728228
SmartDrive Systems, Inc.	Distributed vehicle event recorder systems having a portable memory data transfer system	8571755
SmartDrive Systems, Inc.	Memory management in event recording systems	8374746
SmartDrive Systems, Inc.	Vehicle event recorder systems	9633318
SmartDrive Systems, Inc.	Distributed vehicle event recorder systems having a portable memory data transfer system	8239092
SmartDrive Systems, Inc.	Discretization facilities for vehicle event data recorders	8139820
SmartDrive Systems, Inc.	Vehicle exception event management systems	8868288
SmartDrive Systems, Inc.	Power management systems for automotive video event recorders	8649933
SmartDrive Systems, Inc.	Vehicle operator performance history recording, scoring and reporting systems	8989959
SmartDrive Systems, Inc.	Vehicle event recorder systems and networks having integrated cellular wireless communications systems	9201842

United States Patent Applications:

OWNER	TITLE	APPLICATION NUMBER
SmartDrive Systems, Inc.	[Unpublished]	16899377
SmartDrive Systems, Inc.	[Unpublished]	16891782
SmartDrive Systems, Inc.	[Unpublished]	16891535
SmartDrive Systems, Inc.	[Unpublished]	16891486
SmartDrive Systems, Inc.	Autonomous vehicle operator performance tracking	16818500
SmartDrive Systems, Inc.	System and method to detect execution of driving maneuvers	16682894
SmartDrive Systems, Inc.	Systems and methods for using on-board resources of individual vehicles in a fleet of vehicles as a distributed data center	16676133
SmartDrive Systems, Inc.	Lane-specific recommendations	16430262
SmartDrive Systems, Inc.	Vehicle event recording system and method	16426386
SmartDrive Systems, Inc.	Systems and methods for using risk profiles for creating and deploying new vehicle event definitions to a fleet of vehicles	16400903
SmartDrive Systems, Inc.	Systems and methods for using risk profiles based on previously detected vehicle events to quantify performance of vehicle operators	16400874
SmartDrive Systems, Inc.	Systems and methods for creating and using risk profiles for fleet management of a fleet of vehicles	16400841
SmartDrive Systems, Inc.	Systems and methods for verifying whether vehicle operators are paying attention	16400806
SmartDrive Systems, Inc.	Vehicle fuel consumption monitor and feedback systems	16280922
SmartDrive Systems, Inc.	Systems and methods for determining and using posted speed limits for vehicles	16279859
SmartDrive Systems, Inc.	System and method to determine responsiveness of a driver of a vehicle to feedback regarding driving behaviors	16138666
SmartDrive Systems, Inc.	Systems and methods for querying fleet information stored in a distributed data	16058591
SmartDrive Systems, Inc.	Systems and methods for generating data describing physical surroundings of a ve...	16025852

OWNER	TITLE	APPLICATION NUMBER
SmartDrive Systems, Inc.	Systems and methods for generating and providing timely vehicle event information	16025813
SmartDrive Systems, Inc.	Systems and methods for comparing driving performance for simulated driving	16025799
SmartDrive Systems, Inc.	Systems and method to trigger vehicle events based on contextual information	15727227
SmartDrive Systems, Inc.	System and method for detecting a vehicle event and generating review criteria	14540825