

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5787906

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST

**CONVEYING PARTY DATA**

Name	Execution Date
BRIAN E SCHULIGER	10/23/2019
STEPHEN P NASH	10/23/2019
FRANK J GORI	10/23/2019
LORETTA M SHAHADE	10/23/2019

**RECEIVING PARTY DATA**

<b>Name:</b>	TELETRACKING TECHNOLOGIES, INC.
<b>Street Address:</b>	TIMES BUILDING, 336 FOURTH AVENUE
<b>City:</b>	PITTSBURGH
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	15222

**PROPERTY NUMBERS Total: 109**

Property Type	Number
Patent Number:	10043593
Patent Number:	9122373
Patent Number:	8560580
Patent Number:	9830425
Patent Number:	9710602
Patent Number:	9710601
Patent Number:	9639663
Patent Number:	8732573
Patent Number:	9704117
Patent Number:	8410935
Patent Number:	8742897
Patent Number:	9129496
Patent Number:	9495853
Patent Number:	9740822
Patent Number:	9881130
Patent Number:	9928636
Patent Number:	9779366

PATENT

Property Type	Number
Patent Number:	10204320
Patent Number:	10186331
Patent Number:	10153994
Patent Number:	7870008
Patent Number:	7525432
Patent Number:	7528716
Patent Number:	7372365
Patent Number:	10217063
Patent Number:	10205708
Patent Number:	D764514
Patent Number:	D772273
Patent Number:	D800162
Patent Number:	D799547
Patent Number:	D798332
Patent Number:	D797806
Patent Number:	D797790
Patent Number:	D797788
Patent Number:	D797789
Patent Number:	D797791
Patent Number:	D812640
Patent Number:	D816695
Patent Number:	D837238
Patent Number:	D831672
Patent Number:	D816704
Patent Number:	D824950
Patent Number:	D824931
Patent Number:	D824930
Patent Number:	D824929
Patent Number:	D824928
Patent Number:	D618808
Patent Number:	D628702
Patent Number:	D605965
Patent Number:	D616777
Patent Number:	D624448
Patent Number:	D626442
Patent Number:	D631165
Patent Number:	D641481
Patent Number:	D666728

Property Type	Number
Patent Number:	D666729
Patent Number:	D667125
Patent Number:	D679401
Patent Number:	D815659
Patent Number:	D815660
Patent Number:	D815135
Application Number:	16034024
Application Number:	14731190
Application Number:	14808565
Application Number:	14838754
Application Number:	14844872
Application Number:	14951103
Application Number:	15298642
Application Number:	15642716
Application Number:	15697781
Application Number:	15717374
Application Number:	16283155
Application Number:	14974775
Application Number:	15142712
Application Number:	15292797
Application Number:	15390073
Application Number:	15428250
Application Number:	15798609
Application Number:	15853637
Application Number:	16272744
Application Number:	15395646
Application Number:	15934014
Application Number:	15934064
Application Number:	15958584
Application Number:	16166630
Application Number:	16166994
Application Number:	16167160
Application Number:	16167192
Application Number:	16166926
Application Number:	16214427
Application Number:	16235093
Application Number:	16252895
Application Number:	13840212

Property Type	Number
Application Number:	13842560
Application Number:	14950643
Application Number:	15335622
Application Number:	15390086
Application Number:	15837525
Application Number:	15854450
Application Number:	15859544
Application Number:	15859538
Application Number:	62784293
Application Number:	62745623
Application Number:	62745749
Application Number:	62786781
Application Number:	29599997
Application Number:	29600003
Application Number:	29600823
Application Number:	29619532

**CORRESPONDENCE DATA**

Fax Number: (412)209-1845

*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: 412-297-4900

Email: [ippatent@cohenlaw.com](mailto:ippatent@cohenlaw.com)

Correspondent Name: COHEN & GRIGSBY P.C.

Address Line 1: 625 LIBERTY AVENUE

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-3152

ATTORNEY DOCKET NUMBER:	9998.0295
NAME OF SUBMITTER:	MICHAEL E. DUKES
SIGNATURE:	/michael e. dukes/
DATE SIGNED:	10/25/2019

**Total Attachments: 15**

- source=US Patent Release#page1.tif
- source=US Patent Release#page2.tif
- source=US Patent Release#page3.tif
- source=US Patent Release#page4.tif
- source=US Patent Release#page5.tif
- source=US Patent Release#page6.tif
- source=US Patent Release#page7.tif
- source=US Patent Release#page8.tif
- source=US Patent Release#page9.tif
- source=US Patent Release#page10.tif

source=US Patent Release#page11.tif

source=US Patent Release#page12.tif

source=US Patent Release#page13.tif

source=US Patent Release#page14.tif

source=US Patent Release#page15.tif

## RELEASE OF INTELLECTUAL PROPERTY SECURITY INTEREST

This RELEASE OF INTELLECTUAL PROPERTY SECURITY INTEREST (this "Release") is dated as of October 23, 2019, and is executed by Brian E. Schuliger, an individual residing at 425 Tyburn Drive, Wexford, Pennsylvania 15090 ("Schuliger"), Stephen P. Nash, an individual residing at 440 Gregory Lane, Boulder, Colorado 80302 ("Nash"), Frank J. Gori, an individual residing at 1905 Foxview Circle NW, Washington, DC 20007 ("Gori"), and Loretta M. Shahade, an individual residing at 653 Woodcrest Drive, Pittsburgh, Pennsylvania 15205 ("Shahade" and together with Schuliger, Nash and Gori, the "Lenders" and each a "Lender"). The Lenders desire to terminate a certain Grant of Security Interest in Intellectual Property from Teletracking Technologies, Inc. in favor of The Lenders dated April 10, 2019 that was previously recorded with certain Intellectual Property Offices (the "Intellectual Property Security Agreement") according to the terms and conditions set forth in this Release.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Lenders hereby state as follows:

**1. Release of Security Interest.** As of the date hereof, the Lenders terminate the Intellectual Property Security Agreement and terminates, releases and discharges any and all security interest that it has pursuant to the Intellectual Property Security Agreement and any and all right, title and interest that it may have in, to and under the intellectual property listed in **Schedule 1** hereto, including all rights of any kind whatsoever of such Lendor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world, any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing, and any and all claims and causes of action, with respect to any of the foregoing, whether occurring before, on or after the date hereof.

**2. Governing Law.** This Release shall be governed by, and construed in accordance with, the laws of the United States and the State of Pennsylvania, without giving effect to any choice or conflict of law provision or rule (whether of the State of Pennsylvania or any other jurisdiction).

[signature page follows]

IN WITNESS WHEREOF, The Lenders have caused this Release to be du  
executed and delivered by its officer thereunto duly authorized as of the date fir  
above written.

The Lenders

By: BS

Name: Brian E. Schuliger

By: \_\_\_\_\_

Name: Stephen P. Nash

By: \_\_\_\_\_

Name: Frank J. Gori

By: \_\_\_\_\_

Name: Loretta M. Shahade

IN WITNESS WHEREOF, The Lenders have caused this Release to be du  
executed and delivered by its officer thereunto duly authorized as of the date fir  
above written.

The Lenders

By: \_\_\_\_\_

Name: Brian E. Schuliger

By:  \_\_\_\_\_

Name: Stephen P. Nash

By: \_\_\_\_\_

Name: Frank J. Gori

By: \_\_\_\_\_

Name: Loretta M. Shahade



IN WITNESS WHEREOF, The Lenders have caused this Release to be du  
executed and delivered by its officer thereunto duly authorized as of the date fir  
above written.

The Lenders

By: \_\_\_\_\_

Name: Brian E. Schuliger

By: \_\_\_\_\_

Name: Stephen P. Nash

By: *Frank J. Gori*

Name: Frank J. Gori

By: \_\_\_\_\_

Name: Loretta M. Shahade

PATENT

REEL: 050828 FRAME: 0047

IN WITNESS WHEREOF, The Lenders have caused this Release to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

The Lenders

By: \_\_\_\_\_

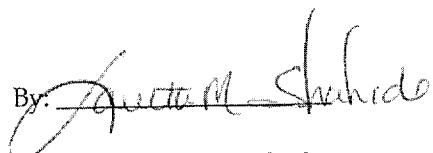
Name: Brian E. Schuliger

By: \_\_\_\_\_

Name: Stephen P. Nash

By: \_\_\_\_\_

Name: Frank J. Gori

By:  \_\_\_\_\_

Name: Loretta M. Shahade

**SCHEDULE 1**

**RELEASE OF INTELLECTUAL PROPERTY SECURITY INTEREST**

**LIST OF REGISTERED PATENTS, TRADEMARKS, TRADE NAMES AND DOMAIN**

**Granted United States Patents**

<b><u>Patent Title</u></b>	<b><u>Patent No.</u></b>	<b><u>Grant Date</u></b>
TAGS FOR AUTOMATED LOCATION AND MONITORING OF MOVEABLE OBJECTS AND RELATED SYSTEMS	10,043,593	8/7/2018
VISUAL DISPLAY OF ROOM INFORMATION	9122373	9/1/2015
	8560580	10/15/2013
	9830425	11/28/2017
	9710602	7/18/2017
	9710601	7/18/2017
	9639663	5/2/2017
	8732573	5/20/2014
DISPLAY OF HOSPITAL TRANSPORT INFORMATION ON A PORTABLE DEVICE	9704117	7/11/2017

ROTATABLE TAGS FOR AUTOMATED LOCATION AND MONITORING OF MOVEABLE OBJECTS AND RELATED SYSTEMS	8410935	4/2/2013
	8742897	6/3/2014
	9129496	9/8/2015
	9495853	11/15/2016
TAGS FOR AUTOMATED LOCATION AND MONITORING OF MOVEABLE OBJECTS AND RELATED SYSTEMS	9740822	8/22/2017
	9881130	1/30/2018
PERIOPERATIVE MOBILE COMMUNICATION SYSTEM AND METHOD	9928636	3/27/2018
APPARATUS AND METHOD FOR THE MOBILE VISUAL DISPLAY AND MODIFICATION OF BED MANAGEMENT INFORMATION AND PATIENT PLACEMENT INFORMATION	9779366	10/3/2017
INTEGRATED SYSTEM FOR PRODUCING PROCEDURAL DATA CHANGE SETS COMMUNICATED TO CLIENT DEVICES	10204320	2/12/2019
TAGS FOR AUTOMATED LOCATION AND MONITORING OF MOVEABLE OBJECTS AND RELATED SYSTEMS	10186331	1/22/2019
SYSTEMS AND METHODS FOR AUTOMATED AND CENTRALIZED REAL-TIME EVENT DETECTION AND COMMUNICATION	10153994	12/11/2018
SYSTEM FOR COMMERCIAL FOOD MANAGEMENT	7870008	1/11/2011

METHODS, IDENTIFICATION TAGS AND COMPUTER PROGRAM PRODUCTS FOR AUTOMATED LOCATION AND MONITORING OF MOBILE DEVICES	7525432	4/28/2009
	7528716	5/5/2009
	7372365	5/13/2008
SYSTEM AND METHOD FOR CLINICAL INTELLIGENT AGENTS IMPLEMENTING AN INTEGRATED INTELLIGENT MONITORING AND NOTIFICATION SYSTEM	10217063	2/26/2019
INTEGRATED SYSTEM FOR PRODUCING PROCEDURAL DATA CHANGE SETS COMMUNICATED TO CLIENT DEVICES	10204320	2/12/2019
SYSTEMS AND METHODS FOR DIGITAL CONTENT PROTECTION AND SECURITY IN MULTI-COMPUTER NETWORKS	10205708	2/12/2019
INTEGRATED SYSTEM FOR PRODUCING PROCEDURAL DATA CHANGE SETS COMMUNICATED TO CLIENT DEVICES	10204320	2/12/2019
DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	D764,514	8/23/2016
	D772,273	11/22/2016
	D800,162	10/7/2017
DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE ICON	D799,547	10/10/2017
	D798,332	9/26/2017
	D797,806	9/19/2017
	D797,790	9/19/2017
	D797,788	9/19/2017

	D797,789	9/19/2017
DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	D797,791	9/19/2017
	D812,640	3/13/2018
	D816,695	5/1/2018
	D837,238	1/1/2019
DISPLAY SCREEN WITH ANIMATED GRAPHICAL USER INTERFACE	D831,672	10/23/2018
DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	D816,704	5/1/2018
	D824,950	8/7/2018
	D824,931	8/7/2018
	D824,930	8/7/2018
	D824,929	8/7/2018
	D824,928	8/7/2018
PLUG-IN READY ELECTRONIC READER AND PARTS THEREOF	D618,808	6/29/2010
	D628,702	12/7/2010
ROTATABLE TRANSPONDERS HAVING A HOUSING WITH VISIBLE INDICA	D605,965	12/15/2009

	D616,777	6/1/2010
	D624,448	9/28/2010
	D626,442	11/2/2010
ELECTRONIC READER FOR MEDICAL ENVIRONMENTS	D631,165	1/18/2011
	D641,481	7/12/2011
	D666,728	9/4/2012
	D666,729	9/4/2012
	D667,125	9/11/2012
	D679,401	4/2/2013
DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	D815,659	4/17/2018

	D815,660	4/17/2018
	D816,704	5/1/2018
	D815,135	4/10/2018



**SCHEDULE 1**

**RELEASE OF INTELLECTUAL PROPERTY SECURITY INTEREST**

**LIST OF REGISTERED PATENTS, TRADEMARKS, TRADE NAMES AND DOMAIN**

**Pending United States Patent Applications**

<b><u>Patent Application Title</u></b>	<b><u>Appl. No.</u></b>	<b><u>Filing Date</u></b>
SYSTEMS AND METHODS FOR PROCESSING REAL-TIME AND HISTORICAL DATA AND GENERATING NURSING UNIT HEALTH SCORES	16/034,024	07/12/18
SYSTEMS AND METHODS FOR AUTOMATED REAL-TIME TASK SCHEDULIGN AND MANAGEMENT	14/731,190	06/04/15
VISUAL DISPLAY OF ROOM INFORMATION	14/808,565	07/24/15
AUTOMATED HOSPITAL WORKFORCE SYSTEM FOR LOAD DRIVEN SCHEDULING OPTIMIZATION	14/838,754	08/28/15
INTERCONNECTED MEDICAL SYSTESM AND CLINICAN MOBILE DEVICE APPLICATIONS	14/844,872	09/03/15
COMPUTERIZED DATA PROCESSING SYSTEMS AND METHODS FOR GENERATING GRAPHICAL USER INTERFACES	14/951,103	11/24/15
REAL TIME DATA TRACKING, ANALYTICS DATA WAREHOUSING, AND FRONT END REPORTING SYSTEM	15/298,642	10/20/16
DISPLAY OF HOSPITAL TRANSPORT INFORMATION ON A PORTABLE DEVICE	15/642,716	07/06/17
ENHANCED IDENTIFICATION WRISTBAND	15/697,781	09/07/17
APPARATUS AND METHOD FOR THE MOBILE VISUAL DISPLAY AND MODIFICATION OF BED MANAGEMENT INFORMATION AND PATIENT PLACEMENT INFORMATION	15/717,374	09/27/17

SYSTEM AND METHOD FOR CLINICAL INTELLIGENT AGENTS IMPLEMENTING AN INTEGRATED INTELLIGENT MONITORING AND NOTIFICATION SYSTEM	16/283,155	02/22/19
SYSTEMS AND METHODS FOR MANAGING AN ELECTRONIC DATABASE	14/974,775	12/18/15
INTEGRATED SYSTEM FOR PRODUCING PROCEDURAL DATA CHANGE SETS COMMUNICATED TO CLIENT DEVICES	15/142,712	04/29/16
SYSTEMS AND METHODS FOR AUTOMATED ROUTE CALCULATION AND DYNAMIC ROUTE UPDATING	15/292,797	10/13/16
COMPUTERIZED DATA PROCESSING SYSTEMS AND METHODS FOR GENERATING GRAPHICAL USER INTERFACES	15/390,073	12/23/16
	15/428,250	02/09/17
SYSTEMS AND METHODS FOR GENERATING INTERACTIVE HYPERMEDIA GRAPHICAL USER INTERFACES ON A MOBILE DEVICE	15/798,609	10/31/17
	15/853,637	12/22/17
	15/853,637	12/22/17
INTEGRATED SYSTEM FOR PRODUCING PROCEDURAL DATA CHANGE SETS COMMUNICATED TO CLIENT DEVICES	16/272,744	02/11/19
SYSTEMS AND METHODS FOR MANAGING AN ELECTRONIC DATABASE	15/395,646	12/30/16
PERIOPERATIVE MOBILE COMMUNICATION SYSTEM AND METHOD	15/934,014	03/23/18
	15/934,064	03/23/18

SYSTEMS AND METHODS FOR PREDICTIVE AND AUTOMATED AND CENTRALIZED REAL-TIME EVENT DETECTION AND COMMUNICATION	15/958,584	04/20/18
SYSTEMS AND METHODS FOR IMPLEMENTING SECURE DATABASE REQUESTS IN A ROLE-BASED APPLICATION ENVIRONMENT	16/166,630	10/21/18
SYSTEMS AND METHODS FOR HANDS-FREE USER INTERFACES FOR HOSPITAL MANAGEMENT SYSTEMS	16/166,994	10/22/18
SYSTEMS AND METHODS FOR REAL-TIME TRANSMISSION OF DIGITAL DATA USING A PLURALITY OF CHANNELS	16/167,160	10/22/18
INTEGRATED SYSTEM AND METHOD FOR PROCESSING PATIENT TRANSPORTATION AND POST-ACUTE CARE SCHEDULING	16/167,192	10/22/18
SYSTEMS AND METHODS FOR AUTOMATICALLY POPULATING INFORMATION IN A GRAPHICAL USER INTERFACE USING NATURAL LANGUAGE PROCESSING	16/166,926	10/22/18
SYSTEMS AND METHODS FOR AUTOMATED GRAPHICAL REAL-TIME PATIENT PLACEMENT	16/214,427	12/10/18
SYSTEMS AND METHODS FOR INTEGRATING A GLOBALLY SECURE COMMUNICATIONS NETWORK WITH STORED MEDICAL DIAGNOSTICS	16/235,093	12/28/18
TAGS FOR AUTOMATED LOCATION AND MONITORING OF MOVEABLE OBJECTS AND RELATED SYSTEMS	16/252,895	02/11/19
HOSPITAL BED EVENT NOTIFICATION	13/840,212	03/15/13
DISPLAY OF HOSPITAL BED INFORMATION ON A PORTABLE DEVICE	13/842,560	03/15/13
SYSTEMS AND METHODS FOR GENERATING AUTOMATED GRAPHICAL USER INTERFACES FOR REAL-TIME FACILITY CAPACITY MANAGEMENT	14/950,643	11/24/15
SYSTEMS AND METHODS FOR AUTOMATED AND CENTRALIZED REAL-TIME EVENT DETECTION AND COMMUNICATION	15/335,622	10/27/16

SYSTEMS AND METHODS FOR GENERATING AUTOMATED GRAPHICAL USER INTEFACES FOR REAL-TIME FACILITY CAPACITY MANAGEMENT	15/390,086	12/23/16
MILESTONE DETECTION SENSING	15/837,525	12/11/17
OBJECT INTERACTIONS	15/854,450	12/26/17
DATA AGGREGATION FROM MULTIPLE ENTITIES	15/859,544	12/31/17
RESPONSE TO EMERGENCY DEPARTMENT SURGE PREDICTION	15/859,538	12/31/17
SYSTEMS AND METHODS FOR IMPLEMENTING A SECURE DATABASE FOR STORING A PATIENT OPERATIONAL LONGITUDINAL RECORD	62/784,293	12/21/10
BENCHMARKS	62/745,623	10/12/18
COMPUTERIZED RULE BASED SYSTEMS AND MEHTODS FOR PROVIDING INTERACTIVE HANDOFF PROTOCOL USER INTERFACES	62/745,749	10/15/18
SYSTEMS AND METHODS FOR MACHINE LEARNING IN PATIENT PLACEMENT	62/786,781	12/31/18
DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	29/599,997	04/07/17
	29/600,003	04/07/17
	29/600,823	04/17/17
	29/619,532	09/29/17