

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5546927

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WILLIAM A. MALKES	05/29/2019
WILLIAM S. OVERSTREET	05/23/2019
JEFFERY R. PRICE	05/23/2019
MICHAEL J. TOURVILLE	05/23/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GRIDSMART TECHNOLOGIES, INC.
<b>Street Address:</b>	10545 HARDIN VALLEY ROAD
<b>City:</b>	KNOXVILLE
<b>State/Country:</b>	TENNESSEE
<b>Postal Code:</b>	37932
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16395878
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(303)571-4321
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	404-815-6500
<b>Email:</b>	prader@kilpatricktownsend.com
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND & STOCKTON LLP
<b>Address Line 1:</b>	1100 PEACHTREE STREET, N.E.
<b>Address Line 2:</b>	SUITE 2800
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30309
<b>ATTORNEY DOCKET NUMBER:</b>	077205-PD909NP-1138975
<b>NAME OF SUBMITTER:</b>	PAMELA RADER
<b>SIGNATURE:</b>	/Pamela Rader/
<b>DATE SIGNED:</b>	05/30/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 5</b>	

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**COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION**

Title of Invention: **OPTIMIZING EMERGENCY SERVICES LOGISTICS USING DATA FROM A SMART TRAFFIC CONTROL SYSTEM**

Application No. **16/395,878**, filed on **APRIL 26, 2019**

**ASSIGNMENT**

WHEREAS, I, **WILLIAM A. MALKES**, residing at **KNOXVILLE, TN**; **WILLIAM S. OVERSTREET**, residing at **KNOXVILLE, TN**; **JEFFERY R. PRICE**, residing at **KNOXVILLE, TN**; and **MICHAEL J. TOURVILLE**, residing at **LENOIR CITY, TN**, are the original inventors or original joint inventors of the invention(s), hereinafter referred to as "Invention(s)," in the above identified and/or attached patent application, hereinafter identified as the "Application;"

WHEREAS, **GRIDSMART Technologies, Inc.**, a corporation of the State of Delaware having a principle place of business at 10545 Hardin Valley Road, Knoxville, TN 37932, hereinafter referred to as "**GRIDSMART**," is desirous of acquiring an interest in the Invention(s) and Application; any United States, International, or foreign patent application directed to (at least in part) one or more of the Invention(s); and any United States or foreign Letters Patent and Registrations that may be granted and that is directed to (at least in part) one or more of the Invention(s);

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the inventors, have assigned, and by these presents do assign **GRIDSMART Technologies, Inc.** all right, title, and interest in and to the entirety of the Invention(s) and Application; any United States, International, or foreign patent application directed to (at least in part) one or more of the Invention(s); and any United States or foreign Letters Patent and Registrations that may be granted and that is directed to (at least in part) one or more of the Invention(s) and Application.

Should the Application be filed as a provisional, non-provisional, or International patent application in the United States or in any other country, we agree that the assignment assigns all right, title and interest to the filed application, to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the Application as provided by the Paris Convention.

The right, title, and interest is to be held and enjoyed by **GRIDSMART Technologies, Inc.** and **GRIDSMART Technologies, Inc.**'s successors and assigns as fully and exclusively as it would have been held and enjoyed by us had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

We further agree that we will, without charge to us, but at **GRIDSMART Technologies, Inc.**'s expense, (a) cooperate with **GRIDSMART Technologies, Inc.** in the prosecution of U.S. Patent applications and foreign counterparts directed to (at least in part) one or more of the Invention(s) or Application and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as **GRIDSMART Technologies, Inc.** lawfully may request to obtain or maintain Letters Patent and Registrations for (at least in part) one or more of the Invention(s) and improvements in any and all countries, and to vest title thereto in **GRIDSMART Technologies, Inc.**, or **GRIDSMART Technologies, Inc.**'s successors and assigns. We waive any obligation of **GRIDSMART Technologies, Inc.** to file foreign counterparts on (at least in part) one or more of the Invention(s); file the attached application; or continue pursuit of prosecution of (at least in part) one or more of the Invention(s). We agree that **GRIDSMART Technologies, Inc.** can, in its sole discretion, choose in which countries to file foreign counterparts and can further choose the type of each application that is to be filed, unless we have previously informed **GRIDSMART Technologies, Inc.** in writing of any foreign counterparts we would like the option to pursue or prosecute.

We hereby authorize and request Kilpatrick Townsend & Stockton LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above an application number and filing date, when known, of any United States, International or foreign patent application that corresponds to the Application or is directed to any of the Invention(s).


**DECLARATION**

As an above-named inventor, I hereby declare that:

- This declaration is directed to the Invention(s) disclosed in the Application; any filed United States or foreign application that is directed to one or more of the Invention(s); and any applications related by priority to such filed United States or foreign application that may include claims or claim elements supported in the Application.
- The Application was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor of a claimed or disclosed Invention(s) in the Application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Dated: 2019-05-29

  
\_\_\_\_\_  
WILLIAM A. MALKES

Dated: \_\_\_\_\_

\_\_\_\_\_  
WILLIAM S. OVERSTREET

Dated: \_\_\_\_\_

\_\_\_\_\_  
JEFFERY R. PRICE

Dated: \_\_\_\_\_

\_\_\_\_\_  
MICHAEL J. TOURVILLE

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Dated: \_\_\_\_\_

Dated: 5/23/2019

Dated: \_\_\_\_\_

Dated: \_\_\_\_\_

\_\_\_\_\_  
WILLIAM A. MALKES



\_\_\_\_\_  
WILLIAM S. OVERSTREET

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Dated: \_\_\_\_\_

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WILLIAM S. OVERSTREET

Dated: 2019-05-23

  
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JEFFERY R. PRICE

Dated: \_\_\_\_\_

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WILLIAM S. OVERSTREET

Dated: \_\_\_\_\_

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JEFFERY R. PRICE

Dated: 5/23/2019



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MICHAEL J. TOURVILLE