

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3914785

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ANDREW J. PALMISANO | 05/02/2016 |
| NICHOLAS G. MCMAHAN | 05/02/2016 |
| LANCE MICHAEL LOSINSKI | 05/02/2016 |
| RECEIVING PARTY DATA | |
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| Street Address: | 7000 MONROE STREET |
| City: | WILLOWBROOK |
| State/Country: | ILLINOIS |
| Postal Code: | 60527 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15140820 |
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| NAME OF SUBMITTER: | JUDSON K. CHAMPLIN |
| SIGNATURE: | /Judson K. Champlin/ |
| DATE SIGNED: | 06/13/2016 |
| Total Attachments: 2 | |
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| source=Assignment#page2.tif | |

ASSIGNMENT

Attorney Docket No.

C382.0286US2

WHEREAS, we, Andrew J. Palmisano, of Darien, IL, U.S.A.; Nicholas G. McMahan, of Plainfield, IL, U.S.A.; and Lance Michael Losinski, of Crown Point, IN, U.S.A. (hereinafter referred to as ASSIGNORS), are the inventors of an invention described in an application for Letters Patent of the United States entitled CALIBRATION AND PROGRAMMING OF IN-VEHICLE BATTERY SENSORS, the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Application No. 15/140,820, filed April 28, 2016; and

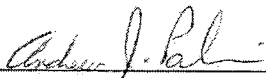
WHEREAS, Midtronics, Inc. (hereinafter referred to as ASSIGNEE), a corporation organized and existing under the laws of the State of Illinois, and having offices at 7000 Monroe Street, Willowbrook, IL 60527, is desirous of acquiring the entire right, title and interest in and to the invention, the application and any and all Letters Patent(s) or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, we transfer to Assignee, its successors and assigns, our entire right, title and interest in and to the invention, the above-identified application(s), Provisional Application Nos. 62/154,251, filed April 29, 2015; 62/155,045, filed April 30, 2015, and 61/915,157, filed December 12, 2013; US Serial No. 14/565,589, filed December 10, 2014; corresponding domestic and foreign applications claiming rights or benefits to the above-identified application(s) including non-provisional applications, continuation applications, continuing applications, divisional applications, reissue applications, reexamination applications, design applications and continuation-in-part applications, all Letters Patent(s) or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention, including all rights of priority; and we authorize the Director of the United States Patent and Trademark Office or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

We authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

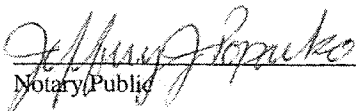
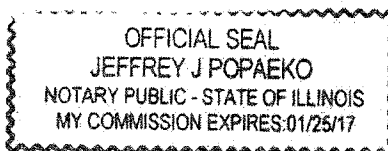
We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.



Andrew J. Palmisano

STATE OF ILLINOIS)
) ss.
COUNTY OF Will)

Subscribed and sworn to before me, a Notary Public, this 2ND day of MAY, 2016.


Notary Public

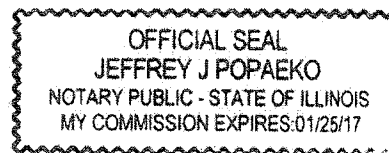
(SEAL)

Nicholas G. McMahan
Nicholas G. McMahan

STATE OF ILLINOIS)
) ss.
COUNTY OF WILL)

Subscribed and sworn to before me, a Notary Public, this 2ND day of MAY, 2016.

Jeffrey J. Popaeko
Notary Public



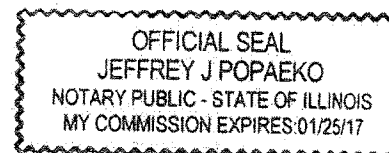
(SEAL)

Lance Michael Losinski
Lance Michael Losinski

STATE OF INDIANA)
) ss.
COUNTY OF Lake)

Subscribed and sworn to before me, a Notary Public, this 2ND day of MAY, 2016.

Jeffrey J. Popaeko
Notary Public



(SEAL)