

## PATENT ASSIGNMENT COVER SHEET

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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT             |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                 |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                            |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>      |
| PHILIP HERBST                                                                                                                                                                                   | 06/03/2017                 |
| HANS-JOERG FINK                                                                                                                                                                                 | 06/22/2017                 |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                            |
| <b>Name:</b>                                                                                                                                                                                    | TDK-MICRONAS GMBH          |
| <b>Street Address:</b>                                                                                                                                                                          | HANS-BUNTE-STRASSE 19      |
| <b>City:</b>                                                                                                                                                                                    | FREIBURG                   |
| <b>State/Country:</b>                                                                                                                                                                           | GERMANY                    |
| <b>Postal Code:</b>                                                                                                                                                                             | 79108                      |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                            |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>              |
| Application Number:                                                                                                                                                                             | 15498876                   |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                            |
| <b>Fax Number:</b>                                                                                                                                                                              | (410)295-5096              |
| <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>                                                                                                                                                                                   | 410-212-2539               |
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| <b>Correspondent Name:</b>                                                                                                                                                                      | 24IP LAW GROUP USA, PLLC   |
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| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 4091.91650                 |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | TIMOTHY R DEWITT           |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /TimothyRDeWitt/           |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 08/15/2017                 |
| <b>Total Attachments: 1</b>                                                                                                                                                                     |                            |
| source=4091-91650Assignment#page1.tif                                                                                                                                                           |                            |

# ASSIGNMENT

WHEREAS, Philip Herbst and Hans-Jörg Fink (the "ASSIGNORS") are the inventors and owners of the entire right, title and interest in, to, and under United States Patent Application Serial No. 15/498,876 filed on April 27, 2017, entitled "Method and system for Monitoring a State," and the inventions described and claimed therein (collectively, the "PATENT RIGHTS"); and

WHEREAS, TDK-Micronas GmbH, with its principal place of business at Hans-Bunte-Strasse 19, Freiburg 79108, Germany, (the "ASSIGNEE") is desirous of obtaining the entire right, title and interest in, to and under the PATENT RIGHTS.

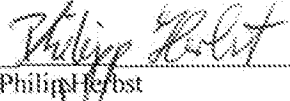
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the PATENT RIGHTS and all national stage applications, divisions, renewals, continuations and continuations-in-part thereof and all applications claiming the benefit of the filing thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all inventions described and claimed in said patents and applications; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said inventions in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said inventions in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND ASSIGNORS HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNORS HEREBY covenant and agree that they have full right to convey the entire interest herein assigned, and that they have not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNORS HEREBY further covenant and agree that they will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to them respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally provide reasonable aid to said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said inventions in all countries.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite the undersigned name(s).

|                         |                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Date: <u>06/15/2017</u> | Signature of Inventor: <u></u><br>Philip Herbst  |
| Date: <u>06/22/2017</u> | Signature of Inventor: <u></u><br>Hans-Jörg Fink |