

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4073865

|   |                                  |
|---|----------------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                   |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                       |
| <b>CONVEYING PARTY DATA</b>   |                                  |
| <b>Name</b>   | <b>Execution Date</b>            |
| ALEX MASHINSKY  | 08/29/2016                       |
| CHI K. ENG  | 09/06/2016                       |
| <b>RECEIVING PARTY DATA</b>   |                                  |
| <b>Name:</b>  | GRID INNOVATIONS, LLC            |
| <b>Street Address:</b>  | 2200 FLETCHER AVENUE             |
| <b>Internal Address:</b>  | SUITE 501                        |
| <b>City:</b>  | FORT LEE                         |
| <b>State/Country:</b>   | NEW JERSEY                       |
| <b>Postal Code:</b>   | 07024                            |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                  |
| <b>Property Type</b>  | <b>Number</b>                    |
| Application Number:   | 15019546                         |
| <b>CORRESPONDENCE DATA</b>  |                                  |
| <b>Fax Number:</b>  | (302)300-3456                    |
| <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>   | 302-300-3434                     |
| <b>Email:</b>   | indocket@btlaw.com               |
| <b>Correspondent Name:</b>  | BARNES & THORNBURG LLP           |
| <b>Address Line 1:</b>  | 11 SOUTH MERIDIAN STREET         |
| <b>Address Line 4:</b>  | INDIANAPOLIS, INDIANA 46204-3535 |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 66960-250031                     |
| <b>NAME OF SUBMITTER:</b>   | THOMAS J. MCWILLIAMS             |
| <b>SIGNATURE:</b>   | /Thomas J. McWilliams/           |
| <b>DATE SIGNED:</b>   | 09/28/2016                       |
| This document serves as an Oath/Declaration (37 CFR 1.63).  |                                  |
| <b>Total Attachments: 2</b>   |                                  |
| source=66960-250031_Declaration_Alex_signed#page1.tif   |                                  |
| source=66960_250031_Declaration_Chi_signed#page1.tif  |                                  |

**COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING  
AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE****Title of  
Invention****INTELLIGENT ROUTING OF ELECTRIC POWER**

As the below-named inventor, I hereby declare that:

This declaration is directed to:



the attached application, or

United States Application or PCT International Application No. 15/019,546  
filed on February 9, 2016.

The above-identified 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 invention in this application.

WHEREAS, Grid Innovations, LLC,a Texas company (hereinafter referred to as "ASSIGNEE"), having a place of business at  
2200 Fletcher Avenue, Suite 501, Fort Lee, NJ 07024, is desirous of acquiring the entire right, title, and interest in and to the  
above-referenced application and any inventions disclosed therein ("the INVENTION") and in and to any Letters Patent that  
may be granted therefrom in the United States and its territorial possessions and in any and all foreign countries;NOW, THEREFORE, for good and valuable consideration, the sufficiency of which is acknowledged, I hereby sell, assign,  
and set over to ASSIGNEE, the full and exclusive right to the invention in the United States and its territorial possessions and  
in all foreign countries (including the right to claim priority under the terms of the International Convention and other  
relevant International Treaties and Arrangements from the application) and the entire right, title, and interest in and to any  
and all Letters Patent which may be granted therefrom in the United States and its territorial possessions and in any and all  
foreign countries and in and to any and all divisions, reissues, continuations, substitutions, and renewals thereof.I hereby authorize and request the Patent Office officials in the United States and its territorial possessions and any and all  
foreign countries to issue any and all of said Letters Patent, when granted, to ASSIGNEE as the assignee of my entire right,  
title, and interest in and to the same, for the sole use and benefit of ASSIGNEE, its successors and assigns, to the full end of  
the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this  
assignment and sale not been made and hereby covenants that I have full right to convey the interest herein assigned, and that  
the undersigned has not executed, and will not execute, any agreement in conflict herewith.I agree that I will communicate to ASSIGNEE or its representatives any facts known to me respecting the INVENTION and  
will testify in any legal proceeding, cooperate in every way possible in obtaining evidence, sign all lawful papers, execute all  
divisional, continuation, substitute, renewal, and reissue applications, execute all necessary assignment papers to cause any  
and all of the Letters Patent to be issued to ASSIGNEE, make all rightful oaths, and generally do everything possible to aid  
ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for the INVENTION in the United States and  
its territorial possessions and in any and all foreign countries.I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary  
or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this  
assignment.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 five (5) years, or both.

LEGAL NAME OF INVENTOR:

Alex Mashinsky

Signature: Date: 8/29/16

**COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE**

|                       |                                       |
|-----------------------|---------------------------------------|
| Title of<br>Invention | INTELLIGENT ROUTING OF ELECTRIC POWER |
|-----------------------|---------------------------------------|

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may be granted therefrom in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, the sufficiency of which is acknowledged, I hereby sell, assign,  
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in all foreign countries (including the right to claim priority under the terms of the International Convention and other  
relevant International Treaties and Arrangements from the application) and the entire right, title, and interest in and to any  
and all Letters Patent which may be granted therefrom in the United States and its territorial possessions and in any and all  
foreign countries and in and to any and all divisions, reissues, continuations, substitutions, and renewals thereof.

I hereby authorize and request the Patent Office officials in the United States and its territorial possessions and any and all  
foreign countries to issue any and all of said Letters Patent, when granted, to ASSIGNEE as the assignee of my entire right,  
title, and interest in and to the same, for the sole use and benefit of ASSIGNEE, its successors and assigns, to the full end of  
the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this  
assignment and sale not been made and hereby covenants that I have full right to convey the interest herein assigned, and that  
the undersigned has not executed, and will not execute, any agreement in conflict herewith.

I agree that I will communicate to ASSIGNEE or its representatives any facts known to me respecting the INVENTION and  
will testify in any legal proceeding, cooperate in every way possible in obtaining evidence, sign all lawful papers, execute all  
divisional, continuation, substitute, renewal, and reissue applications, execute all necessary assignment papers to cause any  
and all of the Letters Patent to be issued to ASSIGNEE, make all rightful oaths, and generally do everything possible to aid  
ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for the INVENTION in the United States and  
its territorial possessions and in any and all foreign countries.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary  
or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this  
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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 five (5) years, or both.

LEGAL NAME OF INVENTOR: Chi K. EngSignature: Date: 9/6/2016