

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3234944

|   |                                |                       |
|---|--------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                 |                       |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                     |                       |
| <b>CONVEYING PARTY DATA</b>   |                                |                       |
|   | <b>Name</b>                    | <b>Execution Date</b> |
|   | IAN D. HARRIS                  | 02/10/2015            |
| <b>RECEIVING PARTY DATA</b>   |                                |                       |
| <b>Name:</b>  | EDISON WELDING INSTITUTE, INC. |                       |
| <b>Street Address:</b>  | 1250 ARTHUR E. ADAMS DRIVE     |                       |
| <b>City:</b>  | COLUMBUS                       |                       |
| <b>State/Country:</b>   | OHIO                           |                       |
| <b>Postal Code:</b>   | 43221-3585                     |                       |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                |                       |
| <b>Property Type</b>  | <b>Number</b>                  |                       |
| <b>Application Number:</b>  | 12603978                       |                       |
| <b>CORRESPONDENCE DATA</b>  |                                |                       |
| <b>Fax Number:</b>  | (801)531-9168                  |                       |
| <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> |                                |                       |
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| <b>NAME OF SUBMITTER:</b>   | KYLE M. WOODHOUSE              |                       |
| <b>SIGNATURE:</b>   | /Kyle M. Woodhouse/            |                       |
| <b>DATE SIGNED:</b>   | 02/20/2015                     |                       |
| <b>Total Attachments: 2</b>   |                                |                       |
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| source=Feb-20-2015-Assignment-8958-1US#page2.tif  |                                |                       |

Attorney Docket No. 1684-8958.1US (ECC4-47285-US)

**ASSIGNMENT**

**FOR GOOD AND VALUABLE CONSIDERATION**, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

**SELL, ASSIGN AND TRANSFER** to Edison Welding Institute, Inc. (ASSIGNEE), a corporation for non-profit of the state of Ohio having a place of business at 1250 Arthur E. Adams Drive, Columbus, OH 43221-3585, the entire right, title and interest for the United States and all foreign countries in and to the subject matter disclosed in the Application for United State Letters Patent Serial No. 12/603,978 filed on October 22, 2009, entitled **COUPLING MEMBERS FOR COUPLING A BODY OF AN EARTH-BORING DRILL TOOL TO A DRILL STRING, EARTH-BORING DRILLING TOOLS INCLUDING A COUPLING MEMBER, AND RELATED METHODS**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to the subject matter; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on the subject matter; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

**AUTHORIZE** the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to the subject matter in its own name;

**AUTHORIZE AND REQUEST** the issuing authority to issue any and all United States and foreign patents granted on the subject matter to and in the name of the ASSIGNEE;

**WARRANT AND COVENANT** that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

**COVENANT**, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all subject matter; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to the subject matter and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to the subject matter in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for the subject matter;

**AGREE AND ACKNOWLEDGE** that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNOR:

I D. Harris  
Ian D. Harris

Date 2.10.15.

COUNTY OF )  
: ss.  
STATE OF )

On this 10<sup>th</sup> day of February, 2015, before me personally appeared Ian D. Harris to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Michelle R. Lavery  
Notary Public in and for said County and State

My Commission Expires:  
**MICHELLE R. LAVERTY** 2-23-2017  
Notary Public, State of Ohio  
My Commission Expires 02-23-2017