PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3516206

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| MATTHEW A. SHORT | 09/02/2015 |
| JACOB HAY | 09/03/2015 |
| LANCE S. CRONLEY | 09/03/2015 |

RECEIVING PARTY DATA

| Name: | EDISON WELDING INSTITUTE, INC. | |
|-----------------|--------------------------------|--|
| Street Address: | 1250 ARTHUR E. ADAMS DRIVE | |
| City: | COLUMBUS | |
| State/Country: | OHIO | |
| Postal Code: | 43221 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 14846064 | |

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 614-719-2853
Email: tbryan@mwn.com
Correspondent Name: TARA R. BRYAN
Address Line 1: 21 E. STATE STREET

Address Line 2: STE. 1700

Address Line 4: COLUMBUS, OHIO 43215

| ATTORNEY DOCKET NUMBER: | 28972-0083-U1 | |
|-------------------------|--|--|
| NAME OF SUBMITTER: | TARA R. BRYAN | |
| SIGNATURE: | /TARA R. BRYAN/ | |
| DATE SIGNED: | 09/08/2015 | |
| | This document serves as an Oath/Declaration (37 CFR 1.63). | |

Total Attachments: 4

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> PATENT REEL: 036510 FRAME: 0892

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> PATENT REEL: 036510 FRAME: 0893

Attorney Docket No.: 28972-0083-U1

JOINT ASSIGNMENT OF PATENT APPLICATION

Whereas, we, Matthew A. SHORT, Jacob HAY and Lance S. CRONLEY, hereafter referred to as "applicants" or "assignors", who reside at the corresponding addresses provided below, have invented certain new and useful improvements in a HIGH-SPEED ROTARY ELECTRICAL CONNECTOR FOR USE IN ULTRASONICALLY ASSISTED MACHINING

for which an application for a United States Patent will be subsequently filed. We hereby authorize and request an attorney having the power of attorney to prosecute the application from McNees Wallace & Nurick LLC of 100 Pine Street, P.O. Box 1166, Harrisburg, PA 17108 to insert here in parenthesis (Application number 14/846,064 filed 14/815) the filing date and application number of the application when known.

Whereas, Edison Welding Institute, Inc., whose street address is 1250 Arthur Adams Drive, Columbus, Ohio 43221, herein referred to as "assignee," is desirous of acquiring the entire right, title and interest in the same.

Now, therefore, in consideration of the sum of one dollar (\$1.00), the receipt whereof is acknowledged and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, We as assignors have sold, assigned, transferred, and set over, and hereby sell, assign, transfer and set over unto the assignee, its lawful successors and assigns, our entire right, title and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this assignment;

AND, We hereby covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, We hereby further covenant and agree that We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this

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My Commission Expires 02-23-2017

invention, and testify in any legal proceeding, sign all lawful papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce Letters Patent for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

We hereby declare that all statements made herein and on the accompanying Assignment Recordal Letter of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

IN WITNESS WHEREOF and INTENDING TO BE LEGALLY BOUND, I hereunto set my hand having read and understood this Assignment.

| County of <u>Franklin</u> | -oa | Matthew A. Short |
|-------------------------------------|-----|--|
| State of Ohio | SS. | 364 Leslie Drive Wilmington, Ohio 45177 |
| | | By: 0-4 8 4 |
| | | Date: 9/2/15 |
| Subscribed and Sworn to me this2 nd | day | of September 2015 |
| Michelle R. Laue | | , 20, 20 |
| Notary Public / MICHELLER LAVERTY | | |
| Notary Public, State of Ohio | | |

County of Franklin
SS. 11744 State Route 56
Circleville, Ohio 43113

By: fall Tay
Date: 9-3-15

Subscribed and Sworn to me this 3rd day of September, 2015.

Notary Public MICHELER LAVERTY

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

Attorney Docket No.: 28972-0083-U1

County of Frank in State of Ohio SS. 19360 Yoakum Road Mt. Victory, Ohio 43340

By: Faru S Comby Date: 9/3/2015

Subscribed and Sworn to me this 3rd day of September 2015.

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

Attorney Docket No.: 28972-0083-U1