

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5026205

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRIAN J. BORNEMANN	02/05/2013
KYLE A. PFEIFER	02/05/2013
RICHARD M. ACHTNER	02/05/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ILLINOIS TOOL WORKS INC.
<b>Street Address:</b>	155 HARLEM AVENUE
<b>City:</b>	GLENVIEW
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60025
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15234748
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)775-8100
<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>	312-775-8000
<b>Email:</b>	mhmpto@mcandrews-ip.com
<b>Correspondent Name:</b>	MCANDREWS, HELD & MALLOY, LTD.
<b>Address Line 1:</b>	500 W. MADISON ST.
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60661
<b>ATTORNEY DOCKET NUMBER:</b>	62274US03 (60262-A)
<b>NAME OF SUBMITTER:</b>	CHAD A. PAHNKE
<b>SIGNATURE:</b>	/Chad A. Pahnke/
<b>DATE SIGNED:</b>	06/27/2018
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to **Illinois Tool Works Inc.** (the "Assignee"), a corporation of the State of Delaware, having a place of business at **3600 West Lake Avenue, Glenview, Illinois 60026-1215**, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions and improvements which are disclosed in the application for United States Letters Patent, which is entitled "**WELDING SYSTEMS HAVING NON-CONTACT TEMPERATURE MEASUREMENT SYSTEMS**," and which may be further identified below, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States, including all provisional and non-provisional applications, and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST that any attorney associated with PTO Customer No, **52145** may delete, insert, or alter any information identifying this application, or any related application, below after execution of this assignment;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

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

COVENANT, when requested and without further consideration, but at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

### Additional Application Information

U.S. Provisional Application Serial No. 61/621,430, filed on April 6, 2012.

U.S. Non-Provisional Application Serial No. 13/759,917, filed on February 5, 2013.

International Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.

INVENTOR 1:

Signature: Brian J. Bornemann  
Brian J. Bornemann

Date: 2/5/13

Witnessed by: Brian Bellile  
Signature

Date: 2/5/2013

Brian Bellile  
Printed Name of Witness

Witnessed by: Karl D. Kissinger  
Signature

Date: 2-5-13

KARL D KISSINGER  
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

\_\_\_\_\_  
Brian J. Bornemann

Date: \_\_\_\_\_

STATE OF )  
                  ) §§.  
COUNTY OF )

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Brian J. Bornemann**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

INVENTOR 2:

Signature: \_\_\_\_\_  
Kyle A. Pfeifer

Date: \_\_\_\_\_

Witnessed by: \_\_\_\_\_  
Signature

Date: \_\_\_\_\_

\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_  
Signature

Date: \_\_\_\_\_

\_\_\_\_\_  
Printed Name of Witness

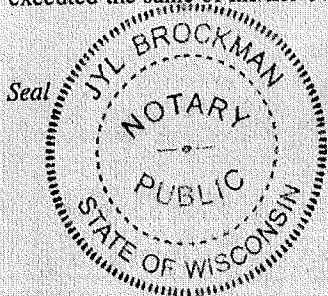
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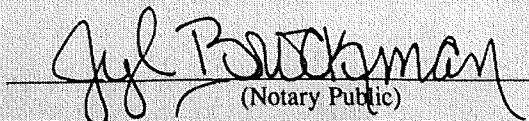
  
Kyle A. Pfeifer

Date: 5 FEB 2013

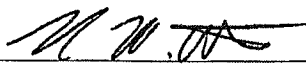
STATE OF WI )  
                                  ) §§.  
COUNTY OF Outagamie

This 5<sup>th</sup> day of February, 2013 before me personally came the above-named Kyle A. Pfeifer, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.




  
(Notary Public)

INVENTOR 3:

Signature:   
Richard M. Achtner

Date: FEBRUARY 5, 2013

Witnessed by:   
Signature

Date: 2/5/13

Lee T. Van Bortel  
Printed Name of Witness

Witnessed by:   
Signature

Date: 2/5/13

Dawn M. Radtke  
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

Richard M. Achtner

Date: \_\_\_\_\_

STATE OF )  
                  ) §§.  
COUNTY OF )

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Richard M. Achtner**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)