

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7733575

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LELAND FALDE	03/13/2020
ADAM PLISKA	11/01/2019
VINCENT ROMANO	11/01/2018
TODD MCELLIS	03/17/2020
STEPHEN IVKOVICH	10/30/2018
BEN BUHR	01/04/2023
<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: 3</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	62753891
Application Number:	16669173
PCT Number:	US2019059244
<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>	3127758000
<b>Email:</b>	dholzer@mcandrews-ip.com
<b>Correspondent Name:</b>	MCANDREWS, HELD & MALLOY, LTD.
<b>Address Line 1:</b>	500 W. MADISON STREET
<b>Address Line 2:</b>	SUITE 3400
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60661
<b>ATTORNEY DOCKET NUMBER:</b>	62726US02
<b>NAME OF SUBMITTER:</b>	ERICA NAVAR
<b>SIGNATURE:</b>	/Erica Navar/

<b>DATE SIGNED:</b>	01/10/2023
<b>Total Attachments: 8</b> source=62726US02 Assignment Fully Executed#page1.tif source=62726US02 Assignment Fully Executed#page2.tif source=62726US02 Assignment Fully Executed#page3.tif source=62726US02 Assignment Fully Executed#page4.tif source=62726US02 Assignment Fully Executed#page5.tif source=62726US02 Assignment Fully Executed#page6.tif source=62726US02 Assignment Fully Executed#page7.tif source=62726US02 Assignment Fully Executed#page8.tif	

## 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 155 Harlem Avenue, Glenview, Illinois 60025, 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 "SYSTEMS AND METHODS TO DESIGN PART WELD PROCESSES," 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 inventions and improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and 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. 149749 may delete, insert, or alter any information below identifying this application, or any related application, after execution of this assignment;

AUTHORIZE AND REQUEST the issuing authority to issue to the Assignee any and all United States and foreign patents granted on the inventions and improvements sold, assigned, and/or transferred herein;

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 AND AGREE, 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, that they will (1) execute all necessary or required documents needed to effect the filing of all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all the inventions and improvements sold, assigned, and/or transferred herein; (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 the inventions and improvements sold, assigned, and/or transferred herein, and the history thereof; (4) cooperate with the Assignee in any interference, opposition, dispute, post-grant proceeding, or litigation involving any of the applications or patents for the inventions and improvements sold, assigned, and/or transferred herein; and (5) do everything possible or necessary which the Assignee shall consider desirable for vesting title to the inventions and improvements sold, assigned, and/or transferred herein in the Assignee, and for securing, maintaining and enforcing proper patent protection for the inventions and improvements sold, assigned, and/or transferred herein;

AGREE AND ACKNOWLEDGE THAT THIS ASSIGNMENT IS 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

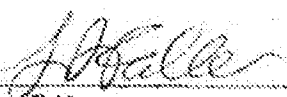
U.S. Provisional Application Serial No. 62/753,891, filed on October 31, 2018

U.S. Non-Provisional Application Serial No. 16/869,173, filed on October 31, 2019

International Application Serial No. PCT/US2019/059244, filed on October 31, 2019

INVENTOR:

Signature:

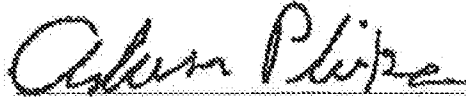
  
Leland Falde

Date:

3/13/2020

INVENTOR:

Signature:



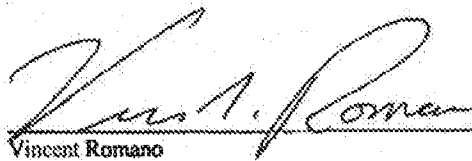
Adam Pliska

Date: November 1, 2019

PATENT: Assignment  
(ITW 67651)

INVENTOR:

Signature:

  
Vincent Romano

Date:

11/1/18

INVENTOR:

Signature:


Todd M. McEllis  
Todd McEllis

Date:

17 MAR 2020

INVENTOR:

Signature:

  
Stephen Ivkovich

Date:

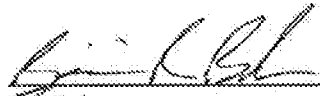
10/30/2018



PATENT: Assignment  
(ITW 67651)

INVENTOR:

Signature:

  
Ben Buhr


Date:

1/4/23

PATENT: Assignment  
(ITW 67651)

ASSIGNEE:

Signature:

  
Christopher Rauch  
Chief IP Counsel and Assistant Secretary  
On Behalf of Assignee

Date:

1/9/2023