507265570 05/04/2022

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRUCE ALBRECHT	01/15/2021
TODD HOLVERSON	01/15/2021

RECEIVING PARTY DATA

Name:	ILLINOIS TOOL WORKS INC.
Street Address:	155 HARLEM AVENUE
City:	GLENVIEW
State/Country:	ILLINOIS
Postal Code:	60025

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	63137937
Application Number:	17576317

CORRESPONDENCE DATA

Fax Number: (312)775-8100

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.

3127758000 Phone:

Email: mhmpto@mcandrews-ip.com

MCANDREWS, HELD & MALLOY, LTD. **Correspondent Name:**

500 W. MADISON ST. Address Line 1:

Address Line 2: 34TH FL.

Address Line 4: CHICAGO, ILLINOIS 60661

ATTORNEY DOCKET NUMBER: 65512US01; US02 **NAME OF SUBMITTER:** CHAD A. PAHNKE SIGNATURE: /Chad A. Pahnke/ **DATE SIGNED:** 05/04/2022

Total Attachments: 4

source=65512US01_69067_Assignment_executed#page1.tif source=65512US01_69067_Assignment_executed#page2.tif source=65512US01 69067 Assignment executed#page3.tif

source=65512US01_69067_Assignment_executed#page4.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 SELECT WELD PARAMETERS BASED ON THERMAL, ELECTRICAL, AND/OR CHEMICAL PROPERTIES," 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 in the Assignee 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 No.	63/137,937	, filed on <u>January 1</u>	5, 2021 .			
	17/576,317	filed on January 14	1.2022			
PCT International Application No.		, filed on				
D						

1

PATENT: Assignment 65512US01 (ITW 69067)

INVENTOR:

Signature:

Binee Albrecht

Date:

2

PATENT: Assignment 65512US01 (ITW 69067)

INVENTOR:

Signature:

Todd Holverson

Date: 1-15-2021

3

PATENT: Assignment (69067)

ASSIGNEE:

Signature:

Christopher Rauch

Chief IP Counsel and Assistant Secretary

On Behalf of Assignee

PATENT REEL: 059852 FRAME: 0667

RECORDED: 05/04/2022