503108314 12/18/2014

EPAS ID: PAT3154921

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARC LEE DENIS	12/16/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14575731

CORRESPONDENCE DATA

Fax Number: (281)970-4503

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: 281-970-4545 Email: docket@fyiplaw.com

Correspondent Name: FLETCHER YODER/ILLINOIS TOOL WORKS INC.

Address Line 1: P.O. BOX 692289

Address Line 4: **HOUSTON, TEXAS 77269-2289**

ATTORNEY DOCKET NUMBER: 65659 (ITWO:0876) NAME OF SUBMITTER: STEVEN J. SINCLAIR, JR. SIGNATURE: /Steven J. Sinclair, Jr./ **DATE SIGNED:** 12/18/2014

Total Attachments: 2

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PATENT REEL: 034551 FRAME: 0675 503108314

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 FOR ADAPTIVELY CONTROLLING WELD CABLE COMMUNICATIONS," 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.	, filed on			
U.S. Non-Provisional Application Serial No. 14/575,731	, filed on December 18, 2014.			
International Application Serial No.	, filed on			

PATENT REEL: 034551 FRAME: 0676

INVENTOR:			
Signature:	Marc Lee Denis	Date:	
Witnessed by:	Signature	Date:	
	Printed Name of Witness		
Witnessed by:	Signature	Date:	
	Printed Name of Witness	•	
SECTIO.	N BELOW IS FOR USE ONLY IF SIGNING IN PRE		
Marc Lee Do	descerence	Date: 12/16/2014	
STATE OF V	II Qutaganie		
This a	<u>化却</u> day of <u>Decentee</u> 、 <u>A014</u> before me p known as the individual who executed the foregoing assig ther own free will for the purposes therein set forth.	ersonally came the above-named Mare inment, who acknowledged to me that he	Lee Denis, to /she executed
Seal	<u> </u>	n Heddell ission Expers 5-8-1.	
KATHLI N	EN M. KEODELL DISTY Public Los Microsofia	ission Expers 5-8-17	7

RECORDED: 12/18/2014

PATENT REEL: 034551 FRAME: 0677