505594218 07/29/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DR. ROBERT PHILLIP RENZ	06/29/2017
DR. MORVEN MCALPINE	06/29/2017

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:	16524758

CORRESPONDENCE DATA

Fax Number: (314)584-4062

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: 314-584-4080

Email: docket@splglaw.com

Correspondent Name: THE SMALL PATENT LAW GROUP, LLC

Address Line 1: 225 S. MERAMEC AVE.

Address Line 2: SUITE 725

Address Line 4: ST. LOUIS, MISSOURI 63105

ATTORNEY DOCKET NUMBER:	62203-US-2 (500-2073US2)	
NAME OF SUBMITTER:	JOSEPH F. HARDING	
SIGNATURE:	/Joseph F. Harding/	
DATE SIGNED:	07/29/2019	

Total Attachments: 1

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PATENT 505594218 REEL: 049888 FRAME: 0571

ASSIGNMENT

For valuable and sufficient consideration from Illinois Tool Works Inc. (hereinafter referred to as "Assignee"), a Delaware corporation having its principal place of business at 155 Harlem Avenue, Glenview, Illinois 60025, receipt of such consideration being hereby acknowledged, I/we, Dr. Robert Phillip Renz, and Dr. Morven McAlpine hereby sell, assign and convey unto Assignee, its successors and assigns, my/our entire right, title and interest:

- (1) in and to an invention entitled "APPARATUSES AND METHODS FOR PRINTED SECURITY FEATURES" for which I/we have executed a PCT Patent Application and/or United States Patent Application on even date herewith, and, if applicable, which claims the benefit of United States Provisional Application No(s). 62/404,651 filed on October 05, 2016;
- (2) in and to an invention entitled "APPARATUSES AND METHODS FOR PRINTED SECURITY FEATURES" for which I/we previously filed or concurrently file United States Provisional Application No(s).; and
- (3) in and to said PCT Patent Application, United States Patent Application and/or United States Provisional Application(s) and in and to all other patent applications now or hereafter filed in the United States and countries foreign to the United States (including divisional, continuation, reexamination, and reissue applications, and legal equivalents thereof) based upon said invention, and in and to the patent or patents granted thereon or issued therefrom, including reissues or the like thereof, if any, to the full end of the term or terms for which said patent or patents may be granted or issued.

I/we agree that any patent applications of any countries foreign to the United States which may be filed under any applicable international treaties and/or conventions based upon said invention(s) shall be filed in the name of Assignee with the right to claim priority to any earlier filed applications based upon said invention(s).

I/we hereby further agree that I/we shall, upon demand of Assignee, its successors or assigns, and without further consideration to me/us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to be a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by me/us.

I/we hereby further agree and authorize the Commissioner of Patents and Trademarks of the United States and all other appropriate government officials for applicable countries foreign to the United States to issue any and all above-identified patents to Assignee.

Dr. Robert Phillip Renz

29/JUNE/2017

Date

2) M. M. Morven McAlpine

29th/June/2017

PATENT REEL: 049888 FRAME: 0572

RECORDED: 07/29/2019