

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	HARALD KIRCHNER	02/04/2016
<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>
	Application Number:	14412244
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(703)518-5499	
<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>	703-684-1111	
<b>Email:</b>	itw@ipfirm.com	
<b>Correspondent Name:</b>	BENJAMIN J. HAUPTMAN	
<b>Address Line 1:</b>	2318 MILL ROAD	
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<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22314	
<b>ATTORNEY DOCKET NUMBER:</b>	713-3118	
<b>NAME OF SUBMITTER:</b>	BENJAMIN J. HAUPTMAN	
<b>SIGNATURE:</b>	/Benjamin J. Hauptman/	
<b>DATE SIGNED:</b>	02/04/2016	
<b>Total Attachments: 1</b>		
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# ASSIGNMENT

For valuable and sufficient consideration indirectly or directly 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,

- 1) Harald KIRCHNER  
Friedenstrasse 28  
Margetshochheim 97275 GERMANY,

without weaving any claim for further compensation according to the German Employee Invention Act, hereby indirectly or directly sell, assign and convey unto Assignee, its successors and assigns, my/our entire right, title and interest:

(1) in and to an invention entitled "APPARATUS FOR THERMAL PRINTING OR EMBOSSING" 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 German Application No. DE 10 2012 013 487.8 filed on 9th July 2012;

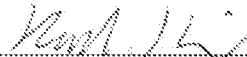
(2) in and to an invention entitled "APPARATUS FOR THERMAL PRINTING OR EMBOSSING" for which I/we previously filed United States Provisional Application No. 14/412,244 filed on 31. Dezember 2014; and

(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, provide any declarations, provided this is within the scope of my obligations according to the German Employee Invention Act, it being understood that any expense incident to this 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.

1)  9.2.2016  
Name: Harald KIRCHNER Date