

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT2917340

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ION SYSTEMS, INC.	03/15/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ILLINOIS TOOL WORKS INC.
<b>Street Address:</b>	3600 WEST LAKE 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>
<b>Application Number:</b>	13635215
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(860)599-8537
<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>	8605998507
<b>Email:</b>	PALAZZOLO@THEPATENTSOURCE.COM
<b>Correspondent Name:</b>	ANTHONY PALAZZOLO
<b>Address Line 1:</b>	285 PENDLETON HILL ROAD
<b>Address Line 4:</b>	NORTH STONINGTON, CONNECTICUT 06359
<b>ATTORNEY DOCKET NUMBER:</b>	60066
<b>NAME OF SUBMITTER:</b>	ANTHONY M PALAZZOLO JR
<b>SIGNATURE:</b>	/ANTHONY M PALAZZOLO JR/
<b>DATE SIGNED:</b>	06/27/2014
<b>Total Attachments: 3</b>	
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## PATENT ASSIGNMENT

WHEREAS, **Ion Systems, Inc.**, a California corporation having an address of 1750 North Loop Road, Suite 100, Alameda, California 94602, hereinafter generally referred to as "**ASSIGNOR**" is the owner of certain new and useful inventions for which patents were granted and patent applications are pending as set forth on Schedule A attached hereto, the inventions, patent applications and patents hereafter collectively referred to as "the patent properties of Schedule A."

WHEREAS, **Illinois Tool Works Inc.**, a Delaware corporation, having an address of 3600 West Lake Avenue, Glenview, Illinois 60025, hereinafter generally referred to as "**ASSIGNEE**" is desirous of acquiring the entire right, title and interest in and to the patent properties of Schedule A throughout the United States and the world.

FOR GOOD and VALUABLE CONSIDERATION, the full receipt and sufficiency of which are hereby acknowledged, **ASSIGNOR**, intending to be legally bound, do hereby:

AUTHORIZE said **ASSIGNEE**, or its representatives to insert the application numbers of the applications that are currently unknown when these are known;

SELL, ASSIGN, TRANSFER and CONVEY to **ASSIGNEE** the whole and entire right, title and interest for the United States and its possessions and territories and all foreign countries in and to the patent properties of Schedule A, and, in and to any and all patent applications related thereto including, but not limited to, all provisionals, non-provisionals, divisionals, continuations, continuations-in-part, substitutes, reexaminations, reissues and all other applications for patent which have been or shall be filed in the United States and all foreign countries on the patent properties of Schedule A; all original, reissued and reexamined patents and extensions thereof which have been or shall be issued in the United States and all foreign countries on the patent properties of Schedule A to the full end of the term or terms for which the patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned **ASSIGNOR** had this Assignment not been made; and specifically including all rights of priority created by the patent properties of Schedule A under any treaty, convention or law relating thereto;

AUTHORIZE and REQUEST the issuing authority to issue any and all United States and foreign patents granted on the patent properties of Schedule A to **ASSIGNEE**;

WARRANT and REPRESENT 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 **ASSIGNOR**, and that the full right to convey the same as herein expressed is possessed by **ASSIGNOR**;

AGREE and UNDERTAKE, when requested and at the expense of **ASSIGNEE**, to carry out in good faith the intent and purpose of this Assignment, **ASSIGNOR** will execute all non-provisionals, divisionals, continuations, continuations-in-part, substitutes, reexaminations, reissues, and all other patent applications on the patent properties of Schedule A; execute all lawful oaths, declarations, assignments, powers of attorney and other papers; communicate to **ASSIGNEE** all facts known to **ASSIGNOR** relating to the patent properties of Schedule A and

the history thereof; and generally do everything possible which ASSIGNEE shall consider desirable for vesting title to the patent properties of Schedule A in ASSIGNEE, and for securing, maintaining and enforcing proper patent protection for the patent properties of Schedule A; all without further compensation to ASSIGNOR;

AGREES to hold in trust, keep confidential, not make use of, and not disclose or reveal to any third party said inventions and patent applications in Schedule A that are not yet published, without ASSIGNEE'S prior written consent.

TO BE BINDING on the heirs, assigns, representatives and successors of ASSIGNOR and extending to the successors, assigns, and nominees of ASSIGNEE.

March 15, 2011

Date



Signature

Ernest W. Torain

Typed or Printed Name

Assistant Secretary

Title

STATE OF Illinois

:

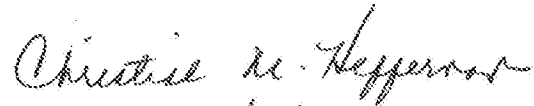
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COUNTY OF Cook

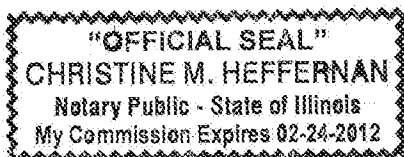
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Before me, a notary public in and for the State and County aforesaid, on this 15th day of March, 2011, personally appeared Ernest W. Torain, who acknowledged to me that he/she is the Assistant Secretary of Illinois Tool Works Inc. on behalf of its subsidiary Ion Systems, Inc., who executed this Assignment on behalf of the corporation and acknowledged to me that he/she executed the same for the purposes therein stated.

Notary Public



My Commission Expires: 02-24-2012



**SCHEDULE A**

U.S. and PCT Patent Applications

Application No.	Title	Filing Date
61/340,603	Optimized Electrostatic Pinning and/or Charging	March 19, 2010
PCT/US2010/001327	Optimized Electrostatic Pinning and/or Charging	May 5, 2010