

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ION SYSTEMS, INC.	12/14/2011
RECEIVING PARTY DATA	
Name:	ILLINOIS TOOL WORKS INC.
Street Address:	3600 West Lake Avenue
Internal Address:	IP Department
City:	Glenview
State/Country:	ILLINOIS
Postal Code:	60026
PROPERTY NUMBERS Total: 35	
Property Type	Number
Patent Number:	5719502
Patent Number:	5768087
Patent Number:	5930105
Patent Number:	6130815
Patent Number:	6002573
Patent Number:	6310557
Patent Number:	6330146
Patent Number:	6515458
Patent Number:	6563110
Patent Number:	6674630
Patent Number:	6693788
Patent Number:	6781205
Patent Number:	6791815
Patent Number:	6807044

Patent Number:	6850403
Patent Number:	7042694
Patent Number:	7057130
Patent Number:	7212393
Patent Number:	7295418
Patent Number:	7339778
Patent Number:	7483255
Patent Number:	7697258
Patent Number:	7889477
Patent Number:	8009405
Patent Number:	7813102
Patent Number:	7729101
Patent Number:	8048200
Patent Number:	6719142
Patent Number:	7479615
Patent Number:	7679026
Patent Number:	5447763
Patent Number:	6259591
Application Number:	11398446
Application Number:	12456526
Application Number:	12451445

CORRESPONDENCE DATA

Fax Number: (847)724-4160
Phone: 8476574023
Email: lyhayes@itw.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
Correspondent Name: LYNNE A. HAYES
Address Line 1: 3600 West Lake Avenue
Address Line 2: IP Department
Address Line 4: Glenview, ILLINOIS 60026

ATTORNEY DOCKET NUMBER:	ACQ 10-006
NAME OF SUBMITTER:	Lynne A. Hayes

Total Attachments: 5
source=Assignment-Ion Systems, Inc. to ITW#page1.tif
source=Assignment-Ion Systems, Inc. to ITW#page2.tif

source=Assignment--lon Systems, Inc. to ITW#page3.tif
source=Assignment--lon Systems, Inc. to ITW#page4.tif
source=Assignment--lon Systems, Inc. to ITW#page5.tif

PATENT ASSIGNMENT

Whereas, ION SYSTEMS, INC. (hereinafter known as the "Assignor"), a corporation of the State of California, USA, having its principal place of business at 1750 North Loop Road, Alameda, California 94502, USA, is the owner of certain inventions for which Letters Patent have been issued and for which applications for Letters Patent have been executed, as listed in Schedule A attached hereto ("the Patents"); and

Whereas, ILLINOIS TOOL WORKS INC. (hereinafter known as "Assignee"), a corporation of the State of Delaware, having its principal place of business at 3600 West Lake Avenue, Glenview, Illinois 60026-1215, USA, is desirous of acquiring the Assignor's entire right, title, and interest in and under the Patents;

Now, therefore, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, Assignor assigns and transfers to the Assignee and the Assignee's legal representatives, successors and assigns

- its full and exclusive rights in and to the Patents in the U.S. and every foreign country and its entire right, title, and interest in and to the Patents and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the inventions, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and

the Assignor hereby authorizes and requests the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

Upon said consideration, Assignor conveys to the Assignee the right

- to make application in its own behalf for protection of the inventions in the U.S. and countries foreign to the U.S. and
- to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

Assignor does hereby covenant and agree with the Assignee that

- it will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and

In witness whereof, Assignee has caused its officer to hereunder set his or her hand on the date shown below.

ILLINOIS TOOL WORKS INC.

By: Mark W. Croll

Date December 14, 2011

Mark W. Croll
Vice President, Intellectual Property

STATE OF Illinois)
COUNTY OF Cook) SS:

On this 14th day of December, 2011, before me, a Notary Public in and for said county, appeared Mark W. Croll, who is personally known to me or proved to me on the basis of satisfactory evidence to be the same person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed and delivered the instrument in his/her authorized capacity, and that by his/her signature on the instrument the entity on behalf of which the person acted, executed the instrument.

{SEAL}

Linda Loranger



SCHEDULE A*(Page 1 of 2)*

TITLE	PATENT NUMBER	APPLICATION NO.
ESD MONITORING CIRCUIT AND DEVICE	5719502	08/587256
METHOD AND APPARATUS FOR AUTOMATICALLY CLEANING IONIZING ELECTRODES	5768087	08/743987
METHOD AND APPARATUS FOR AIR IONIZATION	5930105	08/966638
APPARATUS AND METHOD FOR MONITORING OF AIR IONIZATION	6130815	09/311775
SELF-BALANCING SHIELDED BIPOLAR IONIZER	6002573	09/006773
CIRCUIT AND DEVICE TO DETECT GROUNDING PROBLEMS IN ELECTRICAL SOLDERING IRONS	6310557	09/270972
IONIZING BAR AND METHOD OF ITS FABRICATION	6330146	09/519159
PULSE OSCILLATOR AND VOLTAGE LEVEL CONVERTER	6515458	09/844580
IN-LINE GAS IONIZER AND METHOD	6563110	09/563776
SIMULTANEOUS NEUTRALIZATION AND MONITORING OF CHARGE ON MOVING MATERIAL	6674630	09/948269
AIR IONIZER WITH STATIC BALANCE CONTROL	6693788	09/853081
ELECTROSTATIC CHARGE MEASUREMENT ON SEMICONDUCTOR WAFERS	6781205	10/269426
DYNAMIC AIR IONIZER AND METHOD	6791815	09/698707
CORONA DISCHARGE APPARATUS AND METHOD OF MANUFACTURE	6807044	10/428363
AIR IONIZER AND METHOD	6850403	10/238400
SELF-BALANCING SHIELDED BIPOLAR IONIZER WITH AIR ASSIST	7042694	10/713330
ION GENERATION METHOD AND APPARATUS	7057130	10/821773
MULTI-FREQUENCY STATIC NEUTRALIZATION		11/398446
AIR IONIZATION MODULE AND METHOD	7212393	10/956189
COLLIMATED IONIZER AND METHOD	7295418	11/037408

SCHEDULE A*(Page 2 of 2)*

TITLE	PATENT NUMBER	APPLICATION NO.
CORONA DISCHARGE STATIC NEUTRALIZING APPARATUS	7339778	10/459865
IONIZING ELECTRODE STRUCTURE AND APPARATUS	7483255	11/353760
AIR ASSIST FOR AC IONIZERS	7697258	11/539610
HIGH VOLTAGE POWER SUPPLY FOR STATIC NEUTRALIZERS	7889477	11/767295
LOW MAINTENANCE AC GAS FLOW DRIVEN STATIC NEUTRALIZER AND METHOD	8009405	12/049350
PREVENTION OF EMITTER CONTAMINATION WITH ELECTRONIC WAVEFORMS	7813102	12/075967
SILICON EMITTERS FOR IONIZERS WITH HIGH FREQUENCY WAVEFORMS		12/456526
ELECTROSTATICALLY APPLYING A LABEL TO A MOLD CAVITY		12/451445
METHOD AND APPARATUS FOR MONITORING AND CONTROLLING IONIZING BLOWERS	7729101	11/998767
CLEAN CORONA GAS IONIZATION FOR STATIC CHARGE NEUTRALIZATION	8048200	12/799369
APPARATUS AND METHOD FOR MEASURING STATIC CHARGE ON WAFERS, DISKS, SUBSTRATES, MASKS, AND FLAT PANEL DISPLAYS	6719142	10/197085
WIDE RANGE STATIC NEUTRALIZER AND METHOD	7479615	11/136754
MULTI-FREQUENCY STATIC NEUTRALIZATION OF MOVING CHARGED OBJECTS	7679026	11/623316
SILICON ION EMITTER ELECTRODES	5447763	08/314535
APPARATUS AND METHOD FOR MONITORING OF AIR IONIZATION	6259591	09/590193