503653372 01/18/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3700006

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| YUXIN WANG | 01/15/2016 |
| JOSHUA A. SHARPE | 01/12/2016 |
| JOSEPH SCHLECHT | 12/02/2015 |
| ERIC FERLEY | 12/02/2015 |
| JULIEN NOEL | 12/03/2015 |

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: | 14781541 |

CORRESPONDENCE DATA

Fax Number: (651)735-1102

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: 651-735-1100

Email: pairdocketing@ssiplaw.com **Correspondent Name:** SHUMAKER & SIEFFERT, P. A.

Address Line 1: 1625 RADIO DRIVE

Address Line 2: SUITE 300

Address Line 4: WOODBURY, MINNESOTA 55125

| ATTORNEY DOCKET NUMBER: 1189-002US01/62091-US | | |
|-----------------------------------------------|-------------------------|--|
| NAME OF SUBMITTER: | BARBARA A. GEISTHARDT | |
| SIGNATURE: | /Barbara A. Geisthardt/ | |
| DATE SIGNED: 01/18/2016 | | |
| | | |

Total Attachments: 10

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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,

Yuxin Wang Joshua A. Sharpe Palatine, IL New Brighton, MN c/o Illinois Tool Works Inc. 155 Harlem Avenue Glenview, IL 60025

c/o Illinois Tool Works Inc. 155 Harlem Avenue Glenview, IL 60025

Eric Ferley Julien Noel Rogers, MN Puteaux, FR c/o Illinois Tool Works Inc. c/o Illinois Tool Works Inc.

155 Harlem Avenue 155 Harlem Avenue Glenview, IL 60025 Glenview, IL 60025

Joseph Schlecht Edina, MN c/o Illinois Tool Works Inc. 155 Harlem Avenue

Glenview, IL 60025

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 "HIGH-RESOLUTION COMPUTED TOMOGRAPHY" for which we filed a United States Patent Application 14/781,541 on September 30, 2015 and, PCT Patent Application PCT/US2014/032670 on April 2, 2014, which claims the benefit of United States Provisional Application No. 61/811,151 filed on April 12, 2013;
- (2) in and to an invention entitled "HIGH-RESOLUTION COMPUTED TOMOGRAPHY" for which I/we previously filed United States Provisional Application No. 61/811,151 on April 12, 2013; 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.

| n 12 | 1/15/2016 |
|-----------------|-----------|
| Yuxin Wang | Date |
| 3) | |
| Joseph Schlecht | Date |

| 2) | | |
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| | Joshua A. Sharpe | Date |
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| 4) | | |
| | Eric Ferley | Date |

| 5) | | |
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| | Julien Noel | Date |

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| 1) | | 2) | 1/12/16 |
|-----------------|------|------------------|---------|
| Yuxin Wang | Date | Joshua A. Sharbe | Date ' |
| 3) | | 4) | |
| Joseph Schlecht | Date | Eric Ferley | Date |
| 5) | | | |
| Julien Noel | Date | | |

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| 1) | |
|---------------------------------------------------|---------|
| Yuxin Wang | Date |
| . / / | 12-2-15 |
| 3) 1/2 6-33-34 | Date |
| Jøseph Schlecht | Date |
| • | |

Julien Noel

| 2): | |
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| Joshua A. Sharpe | Date |
| 4) | |
| Eric Ferley | Date |

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| Yuxin Wang | Date | Joshua A. Sharpe | Date |
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| Joseph Schlecht | Date | Eric Ferley | Date |
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| .5) | | | |
| Julien Noel | Date | | |

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| 1 |) Yuxin Wang | Date | 2) | Date |
|---|----------------------|------|-------------------|------|
| 3 |) Joseph Schlecht | Date | 4) Eric Ferley | Date |

5) 12-3-15 Julien No. Date