503649935 01/14/2016

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| JAMES H. GREER | 12/09/2015 |
| TROY PALM | 12/09/2015 |

RECEIVING PARTY DATA

| Name: | RUDOLPH TECHNOLOGIES, INC. | |
|-----------------|----------------------------|--|
| Street Address: | ONE RUDOLPH ROAD | |
| City: | FLANDERS | |
| State/Country: | NEW JERSEY | |
| Postal Code: | 07836 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14944839 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | 11718.0041 |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | SUSAN M. STEINER |
| SIGNATURE: | /Susan M. Steiner/ |
| DATE SIGNED: | 01/14/2016 |

Total Attachments: 3

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PATENT 503649935 REEL: 037494 FRAME: 0027

ASSIGNMENT

WHEREAS, we, James H. Greer, residing at 81 Pellana Road, Norwood, MA 02062,

and Troy Palm, residing at 6208 Heathbrook Drive, Eden Prairie, MN 55346, have invented a certain improvement in Method and Apparatus to Assist the Processing of Deformed Substrates described in an application for Patent, П the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only); the specification of which is about to be filed in the United States Patent Office as a Provisional Application; \boxtimes the specification of which is United States Application No. 14/944,839, filed November 18, 2015, claiming priority to U.S. Provisional Patent Application No. 62/083,577, filed November 24, 2014; the specification of which is a Patent Cooperation Treaty Application, П International Application No. _____, filed ___ designates the United States of America [and is assigned United States Application No.

WHEREAS, Rudolph Technologies, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at One Rudolph Road, Flanders, New Jersey 07836, U.S.A., desires to confirm its interest therein in accordance with agreements duly entered into with us;

which was patented under United States Patent No.

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made;

We hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent;

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Attorney Docket No.: 11718.0041

We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and non-provisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications, and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the aboveidentified application;

We hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation, continuation-in-part applications, and all related provisional and nonprovisional, international and national phase applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved; AND

We do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

10. 9-2015 Date

United States of America)

State of MASS) ss.:

County of ESSEX)

On this 9th day of December, 2015, before me personally came James H. Greer known to me to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

SHARON D. SMITH Notary Pu6821266.1 Massachusetts Commission Expires Jun 17, 2016

REEL: 037494 FRAME: 0029

Attorney Docket No.: 11718.0041

Date

Troy Palm

United States of America)

State of Minnesita ss.:

County of Henrefield

On this <u>Oth</u> day of <u>December</u>, 2015, before me personally came **Troy Palm** known to me to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

GAIL DEE THOMES

NOTARY PUBLIC - MINNESOTA

My Commission Expires

January 31, 2018

Notary Public