503147356 01/22/2015

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 |
|-------------------|----------------|
| TOSHIHIKO MUTSUJI | 01/14/2015 |
| KANAME NAGATA | 01/14/2015 |

RECEIVING PARTY DATA

| Name: | SENJU METAL INDUSTRY CO., LTD. | |
|-----------------|----------------------------------|--|
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| City: | TOKYO | |
| State/Country: | JAPAN | |
| Postal Code: | 120-8555 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14416532 |

CORRESPONDENCE DATA

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|-------------------------|---------------------|--|
| NAME OF SUBMITTER: | DONALD B. HASLETT | |
| SIGNATURE: | /Donald B. Haslett/ | |
| DATE SIGNED: | 01/22/2015 | |

Total Attachments: 1

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PATENT REEL: 034791 FRAME: 0959

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ASSIGNMENT - PATENT APPLICATION

WHEREAS, I/We, MUTSUJI Toshihiko and NAGATA Kaname have invented certain new and useful improvements in

Semiconductor Wafer Transfer Jia

for Which an application for United States Letters Patent is being filed as the U.S. National Stage of International Application PCT/JP2013/070181, filed July 25, 2013, and claiming priority to Japanese Patent application No. 2012- 165817 filed July 26, 2012; and

WHEREAS, Senju Metal Industry Co., Ltd. of 23, Senju-Hashido-cho, Adachi-ku, Tokyo 120-8555, JAPAN (hereinafter "Assignee") desires to acquire an interest in said improvements and in the Letters Patent to be obtained therefor:

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are acknowledged, I/We hereby assign and transfer to Assignee, for the territory of the United States of America and all other countries, the entire right, title, and interest in and to said improvements and in and to said application and any Letters Patent that may be granted therefor in the United States and any other country including any division, continuation, substitute, renewal or reissue of said application or said Letters Patent.

I/We hereby agree to communicate to Assignee any facts known to me/us relating to said improvements, to testify as to the same in any interference or legal proceeding concerned therewith, to execute promptly and deliver to Assignee upon request any and all papers, instruments, declarations and affidavits required to apply for, obtain, maintain and enforce said Letters Patent, and generally to do everything necessary or desirable to vest and perfect title thereto in Assignee.

This assignment is binding upon me/us and my/our heirs, successors, and legal representatives, and shall inure to the benefit of Assignee, its successors, assigns and nominees.

I/We agree that no attorney/client or other fiduciary relationship exists between me/us and CHERNOFF, VILHAUER, MCCLUNG & STENZEL, LLP.

MUTSUJI TOSHIHIKO

MUTSUJI Toshihiko

Date

AAGA TA Kaname

January 14, 2015

Date

Date

PATENT REEL: 034791 FRAME: 0960

RECORDED: 01/22/2015

INVENTOR(S):