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| CONVEYING PARTY | DATA | | | |
| | | Name | Execution Date | |
| MASAKI KURIHARA | | | 07/17/2014 | |
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| State/Country: | JAPAN | JAPAN | | |
| Postal Code: | 146-850 | 146-8501 | | |
| Application Number: 14 | | 14007400 | | |
| Application Number: | | 14337488 | | |
| | | 4337488 | | |
| CORRESPONDENCE | E DATA | | | |
| CORRESPONDENCE Fax Number: | E DATA (| 949)932-3577 | is unsuccessful, it will be sent | |
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| CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number,</i> Phone: Email: Correspondent Name Address Line 1: | E DATA (<i>I be sent to</i> <i>if provided</i> , e: 6: | 949)932-3577 <i>the e-mail address first; if that</i> ; <i>if that is unsuccessful, it will l</i> +81-3-5732-8698 orj-epas@list.canon.co.jp CANON KABUSHIKI KAISHA 80-2, SHIMOMARUKO 3-CHOME | be sent via US Mail. | |
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| CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number,</i> Phone: Email: Correspondent Name Address Line 1: Address Line 4: ATTORNEY DOCKET | E DATA (<i>if provided</i> ; e: NUMBER: | 949)932-3577 <i>the e-mail address first; if that</i> ; <i>if that is unsuccessful, it will l</i> +81-3-5732-8698 orj-epas@list.canon.co.jp CANON KABUSHIKI KAISHA 80-2, SHIMOMARUKO 3-CHOME FOKYO, JAPAN 146-8501 10135019US01 CHIAKI SUZUKI | be sent via US Mail. | |
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| CORRESPONDENCE Fax Number: Correspondence will using a fax number, Phone: Email: Correspondent Name Address Line 1: Address Line 4: ATTORNEY DOCKET NAME OF SUBMITTER SIGNATURE: DATE SIGNED: | E DATA (<i>I be sent to</i> <i>if provided</i> , e: (3 NUMBER: R: | 949)932-3577 <i>the e-mail address first; if that</i> <i>; if that is unsuccessful, it will l</i> +81-3-5732-8698 orj-epas@list.canon.co.jp CANON KABUSHIKI KAISHA 30-2, SHIMOMARUKO 3-CHOME FOKYO, JAPAN 146-8501 10135019US01 CHIAKI SUZUKI /CHIAKI SUZUKI 12/17/2014 | be sent via US Mail. | |

ASSIGNMENT

FOR VALUE RECEIVED, I/WE

Masaki Kurihara

hereby sell, assign, transfer and convey unto CANON KABUSHIKI KAISHA

a corporation of **Japan**

having a place of business at 30-2. Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title, and interest, for all countries, in and to certain inventions relating to

METHOD OF MANUFACTURING SEMICONDUCTOR APPARATUS

and described in an application for Letters Patent of the United States executed by me/us. and

filed on as United States Application No.

as RT International Application No.

and in and to said application, and all divisions, renewals and continuations thereof, and all letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all applications for letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be

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filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof: and I/we hereby authorize and request the Countissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND L/we authorize and expower the said Assignee or noninees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me/us.

AND I/we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and

more particularly in proof of the right of the said Assignce or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND I/we hereby covenant that I/we have the full right to convey the entire right, title and interest herein assigned and that I/we have not executed and will not execute any agreement in conflict herewith.

AND L/we hereby covenant and agree that L/we will communicate to said Assignee or nominees all facts known to me/us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

| By: <u>Masaki Kurihara</u> Masaki Kurihara | maine: July 17, 2014 |
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