

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KYOICHI SUGURO	01/05/2017
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<b>Property Type</b>	<b>Number</b>
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<b>DATE SIGNED:</b>	01/25/2017
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

*name and address of assignee*      **KABUSHIKI KAISHA TOSHIBA  
1-1, Shibaura 1-chome,  
Minato-ku, Tokyo 105-8001 Japan**

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to this invention relating to

*title of invention*

### SEMICONDUCTOR MANUFACTURING APPARATUS

as set forth in this United States Patent Application

*check one*       executed concurrently herewith  
 executed on \_\_\_\_\_  
 Serial No \_\_\_\_\_ filed \_\_\_\_\_

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

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<i><b>NAMES AND SIGNATURES OF INVENTORS</b></i>		
Name: <b>Kyoichi SUGURO</b>	Signature: <i>Kyoichi Suguro</i>	Date: <i>Jan. 5, 2017</i>
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<i><b>NAMES AND SIGNATURES OF WITNESSES</b></i>		
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Name:	Signature:	Date:
Name:	Signature:	Date:
Name:	Signature:	Date:

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