

PATENT ASSIGNMENT COVER SHEET

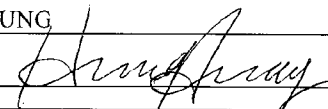
Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5779355

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HUNG HUNG	10/10/2019
YASUHIRO ISOBE	10/10/2019
AKIRA YOSHIOKA	10/10/2019
TORU SUGIYAMA	10/16/2019
MASAAKI IWAI	10/09/2019
NAONORI HOSOKAWA	10/10/2019
MASAAKI ONOMURA	10/10/2019
RECEIVING PARTY DATA	
Name:	KABUSHIKI KAISHA TOSHIBA
Street Address:	1-1, SHIBAURA 1-CHOME
City:	MINATO-KU, TOKYO
State/Country:	JAPAN
Name:	TOSHIBA ELECTRONIC DEVICES & STORAGE CORPORATION
Street Address:	1-1, SHIBAURA 1-CHOME
City:	MINATO-KU, TOKYO
State/Country:	JAPAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16559210
CORRESPONDENCE DATA	
Fax Number:	(703)413-2220
<i>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.</i>	
Phone:	(703) 413-3000
Email:	wsmith@oblon.com
Correspondent Name:	OBLON, ET AL.
Address Line 1:	1940 DUKE STREET
Address Line 4:	ALEXANDRIA, VIRGINIA 22314
ATTORNEY DOCKET NUMBER:	524920US

NAME OF SUBMITTER:	WILLIAM SMITH
SIGNATURE:	/William Smith/
DATE SIGNED:	10/21/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 7 source=524920USAssignment#page1.tif source=524920USAssignment#page2.tif source=524920USAssignment#page3.tif source=524920USAssignment#page4.tif source=524920USAssignment#page5.tif source=524920USAssignment#page6.tif source=524920USAssignment#page7.tif	

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE**

Title of Invention	SEMICONDUCTOR DEVICE
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration <input type="checkbox"/> The attached application, or is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number <u>16/559,210</u> filed on <u>September 3, 2019</u></p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>WHEREAS, <u>(1) Kabushiki Kaisha Toshiba and (2) Toshiba Electronic Devices & Storage Corporation</u> (hereinafter referred to as "ASSIGNEE") having places of business at: <u>(1) 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan and (2) 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan</u>, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;</p> <p>NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.</p> <p>I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, 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 me had this Assignment and sale not been made.</p> <p>Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p>	
LEGAL NAME OF INVENTOR	
Inventor: <u>Hung HUNG</u>	Date: <u>10. Oct., 2019</u>
Signature: 	

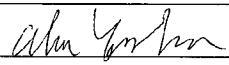
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LEGAL NAME OF INVENTOR	
Inventor: <u>Yasuhiro ISOBE</u>	Date: <u>OCT. 10. 2019</u>
Signature: <u><i>Yasuhiro Isobe</i></u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Akira YOSHIOKA</u>	Date: <u>Oct. 10, 2019</u>
Signature: <u></u>	

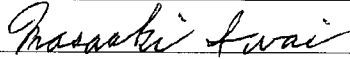
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<p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Toru SUGIYAMA</u> Date: <u>Oct. 16, 2019</u></p> <p>Signature: <u><i>Toru Sugiyama</i></u></p>	

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<p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Masaaki IWAI</u> Date: <u>October 9, 2019</u></p> <p>Signature: <u></u></p>	

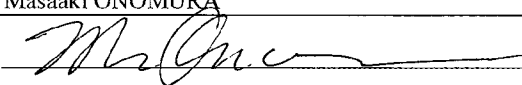
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<p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Naonori HOSOKAWA</u> Date: <u>Oct. 10, 2019</u></p> <p>Signature: <u>Naonori Hosokawa</u></p>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Masaaki ONOMURA</u>	Date: <u>10 Oct., 2019</u>
Signature: 	

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