

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3102036

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KATSUNORI SHIBUYA	10/10/2014
TAKASHI IMOTO	10/17/2014
SOICHI HOMMA	10/10/2014
TAKESHI WATANABE	10/10/2014
YUUSUKE TAKANO	10/10/2014
RECEIVING PARTY DATA	
Name:	KABUSHIKI KAISHA TOSHIBA
Street Address:	1-1, SHIBAURA 1-CHOME, MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	105-8001
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14475270
CORRESPONDENCE DATA	
Fax Number:	(713)623-4846
<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:	713-623-4844
Email:	psdocketing@pattersonsheridan.com, khines@pattersonsheridan.com
Correspondent Name:	PATTERSON & SHERIDAN, L.L.P.
Address Line 1:	24 GREENWAY PLAZA
Address Line 4:	HOUSTON, TEXAS 77046
ATTORNEY DOCKET NUMBER:	TAI/0764US
NAME OF SUBMITTER:	FREDERICK D. KIM
SIGNATURE:	/Frederick D. Kim/
DATE SIGNED:	11/10/2014
Total Attachments: 2 source=TAI0764US_Assignment#page1.tif	

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Katsunori SHIBUYA Kawagoe Mie-gun Mie-ken	2)	Takashi IMOTO Kamakura Kanagawa Japan
3)	Soichi HOMMA Yokkaichi Mie Japan	4)	Takeshi WATANABE Yokkaichi Mie Japan
5)	Yuusuke TAKANO Yokkaichi Mie Japan		

(hereinafter referred to as Assignors), have invented a certain invention entitled:

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE

for which an application for Letters Patent in the United States:

- is executed concurrently herewith.
 was executed on _____
 was filed on Sep/02/2014 under Serial No 14/475,270.

WHEREAS, **Kabushiki Kaisha Toshiba**, a Japanese corporation, having a business address at **1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan** (hereinafter collectively referred to as Assignee), are desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, continuation or continuation-in-part of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing, continuation-in-part or additional applications covering said

invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	<u>Oct. 10, 2014</u>	(DATE)	<u>Katsunori Shibuya</u> Katsunori SHIBUYA
2)	<u>Oct. 17, 2014</u>	(DATE)	<u>Takashi Imoto</u> Takashi IMOTO
3)	<u>Oct. 10, 2014</u>	(DATE)	<u>Soichi Homma</u> Soichi HOMMA
4)	<u>Oct. 10, 2014</u>	(DATE)	<u>Takeshi Watanabe</u> Takeshi WATANABE
5)	<u>Oct. 10, 2014</u>	(DATE)	<u>Yuusuke Takano</u> Yuusuke TAKANO