502671563 02/07/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2718170

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEI KANEKO	01/22/2014
MITSUHIRO KUSHIBE	01/22/2014
HIROSHI KATSUNO	01/21/2014
SHINJI YAMADA	01/24/2014
JUMPEI TAJIMA	01/22/2014
YASUO OHBA	01/29/2014

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOSHIBA
Street Address:	1-1, SHIBAURA 1-CHOME, MINATO-KU
City:	ТОКҮО
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14175199

CORRESPONDENCE DATA

 Fax Number:
 (703)413-2220

 Phone:
 (703) 413-3000

 Email:
 AAdams@oblon.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: OBLON, SPIVAK, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

	DATENT
NAME OF SUBMITTER:	ARIELLE ADAMS
ATTORNEY DOCKET NUMBER:	429695US20RD

PATENT 502671563 REEL: 032172 FRAME: 0709

Signature:	/Arielle Adams/	
Date:	02/07/2014	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6 source=429695USASN#page1.tif source=429695USASN#page2.tif source=429695USASN#page3.tif source=429695USASN#page4.tif source=429695USASN#page5.tif source=429695USASN#page6.tif		

Title of Invention			
Invention	SEMICONDUCTOR WAFER		
As the below name	ad inventor, I hereby declare that:		
This declaration	The attached application, or		
is directed to: United States application or PCT international application number filed on			
The above-identifie	ed application was made or authorized to be made by me.		
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.		
WHEREAS, Kabushiki Kaisha Toshiba (hereinafter referred to as "ASSIGNEE") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, 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;			
acknowledged, and said ASSIGNEE, the and in all foreign conter relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby if for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial and any and all foreign countries and in and to any and all divisions, reissues, continuations, enewals thereof.		
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.			
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.			
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.			
LEGAL NAME OF INVENTOR			
Inventor: Kei KA	NEKO Date: January 22, 2014		
Signature: ko	i kaneko		

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

1040000403

	RIDE SEMICONDUCTOR WAFEF	R, NITRIDE SEMICONDUCTOR	
Invention ELF	ention ELEMENT, AND METHOD FOR MANUFACTURING NITRIDE		
	MICONDUCTOR WAFER		
As the below named inve	entor, I hereby declare that:		
This declaration X The	attached application, or		
	ited States application or PCT international don	l application number	
The above-identified app	olication was made or authorized to be made	le by me.	
I believe that I am the ori	iginal inventor or an original joint inventor	r of a claimed invention in the application.	
WHEREAS, Kabushik			
Japan, is desirous of acc	quiring the entire right, title and interest i	ss at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, in and to said invention and in and to any Letters territorial possessions and in any and all foreign	
acknowledged, and for of said ASSIGNEE, the full and in all foreign countri other relevant Internation interest in and to any ar	other good and valuable consideration, I, I and exclusive right to the said invention ies (including the right to claim priority un nal Treaties and Arrangements from the a and all Letters Patent which may be grante and all foreign countries and in and to	DOLLARS (\$5.00), the receipt whereof is hereby by these presents do sell, assign and transfer unto in the United States and its territorial possessions neer the terms of the International Convention and foresaid application) and the entire right, title and ed therefor in the United States and its territorial o any and all divisions, reissues, continuations,	
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.			
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by fine or imprisonment	of not more than five (5) years, or both.	his declaration is punishable under 18 U.S.C. 1001	
LEGAL NAME OF INV	ENTOR		
Inventor: Mitsuhiro KI		Date: <u>Jan. 22, 2014</u>	
Signature: Mi	traine Kushile	2	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

1048000403

Title of			
Invention	ELEMENT, AND METHOD FOR MANUFACTURING NITRIDE SEMICONDUCTOR WAFER		
As the below name	d inventor, I hereby declare that:		
	The attached application, or		
	United States application or PCT international application number		
	filed on		
	d application was made or authorized to be made by me.		
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.		
WHEREAS, Kab	oushiki Kaisha Toshiba		
(hereinafter referred to as "ASSIGNEE") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, 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;			
acknowledged, and said ASSIGNEE, it and in all foreign c other relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, mewals thereof.		
any and all foreign assignee of my ent (his) successors an	ze and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.		
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I hereby acknow by fine or imprison	viedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.		
LEGAL NAME O			
Inventor: Hiroshi	KATSUNO Date: Jan. 21, 2014		
Signature: Hir	9 shi Katsimo		

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

10480<mark>00</mark>403

Title of	NITRIDE SEMICONDUCTOR WAFER, NITRIDE SEMICONDUCTOR	
Invention	ELEMENT, AND METHOD FOR MANUFACTURING NITRIDE	
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The above-identific	ed application was made or authorized to be made by me.	
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LEGAL NAME O		
Inventor: Shinji	YAMADA Date: Jan. 24, 2014	
Signature:	hinji Yamada	

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ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

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Title of	Sitle of NITRIDE SEMICONDUCTOR WAFER, NITRIDE SEMICONDUCTOR		
Invention	ELEMENT, AND METHOD FOR MANUFACTURING NITRIDE		
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LEGAL NAME OF			
Inventor: Jumpei			
Signature:	Jumpei Fajima		

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
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ALEXANDRIA, VIRGINIA 22314

1048000403

Title of	NITRIDE SEMICONDUCTOR WAFER, N	
Invention	ELEMENT, AND METHOD FOR MANUI	FACTURING NITRIDE
	SEMICONDUCTOR WAFER	And the second s
As the below name	ed inventor, I hereby declare that:	
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is directed to:	United States application or PCT international ap filed on	plication number
The above-identifi	ied application was made or authorized to be made b	y me.
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acknowledged, an said ASSIGNEE, and in all foreign other relevant Inte interest in and to	FFORE, in consideration of the sum of FIVE DOL dd for other good and valuable consideration, I, by the full and exclusive right to the said invention in a countries (including the right to claim priority under mational Treaties and Arrangements from the afore any and all Letters Patent which may be granted the any and all foreign countries and in and to a renewals thereof.	hese presents do sell, assign and transfer unto the United States and its territorial possessions the terms of the International Convention and said application) and the entire right, title and therefor in the United States and its territorial
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respecting said is continuation, substall of said Letter possible to aid sa	e that I will communicate to said ASSIGNEE or it invention, and testify in any legal proceeding, sistitute, renewal and reissue applications, execute all s Patent to be issued to said ASSIGNEE, make all id ASSIGNEE, its (his) successors and assigns, to inited States and its territorial possessions and in any	gn all lawful papers, execute all divisional, necessary assignment papers to cause any and il rightful caths, and, generally do everything obtain and enforce proper protection for said
I hereby ackno	wiedge that any willful false statement made in this inment of not more than five (5) years, or both.	declaration is punishable under 18 U.S.C. 1001
LEGAL NAME (FINVENTOR	
Inventor: Yasuc	ОНВА	Date: Jan. 29 2014
Signature:	Jasur Ohba	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

RECORDED: 02/07/2014

PATENT

REEL: 032172 FRAME: 0716