503352216 06/16/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3398837

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUSUKE TSUKADA	05/19/2015
SHUICHI KUBO	05/19/2015
KAZUNORI KAMADA	05/19/2015
HIDEO FUJISAWA	05/20/2015
TATSUHIRO OHATA	05/20/2015
HIROTAKA IKEDA	05/20/2015
HAJIME MATSUMOTO	05/15/2015
YUTAKA MIKAWA	05/19/2015

RECEIVING PARTY DATA

Name:	MITSUBISHI CHEMICAL CORPORATION
Street Address:	1-1, MARUNOUCHI 1-CHOME, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8251

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14740725

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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.

Phone: (703) 413-3000
Email: gyoon@oblon.com
Correspondent Name: OBLON, ET AL.
Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	455264US99CONT
NAME OF SUBMITTER:	GI YOON
SIGNATURE:	/GI YOON/

06/16/2015
This document serves as an Oath/Declaration (37 CFR 1.63).
if

Title of GALLIUM NITRIDE SUBSTRATE AND MANUFACTURING METHOD OF NITRIDE SEMICONDUCTOR CRYSTAL	
As the below named 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-identified application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, MITSUBISHI CHEMICAL CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at: 1-1, Marunouchi 1-chome, Chiyoda-ku,	
Tokyo 100-8251 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;	
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.	
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: Yusuke TSUKADA Date: May, 19, 2015	
Signature: (E) (E)	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET

ALEXANDRIA, VIRGINIA 22314

	ALLIUM NITRIDE SUBSTRATE AND MANUFACTURING METHOD OF TRIDE SEMICONDUCTOR CRYSTAL
As the below named in	ventor, I hereby declare that:
This declaration 🛛 Th	ne attached application, or
	nited States application or PCT international application numbered on
The above-identified ar	oplication was made or authorized to be made by me.
I believe that I am the c	original inventor or an original joint inventor of a claimed invention in the application.
WHEREAS, MITSU (hereinafter referred to	BISHI CHEMICAL CORPORATION as "ASSIGNEE") having places of business at: 1-1, Marunouchi 1-chome, Chiyoda-ku,
Tokyo 100-8251 Japan to any Letters Patent th all foreign countries;	, is desirous of acquiring the entire right, title and interest in and to said invention and in and at may be granted therefore in the United States and its territorial possessions and in any and
acknowledged, and for said ASSIGNEE, the fi and in all foreign count other relevant Internati interest in and to any possessions and in an substitutions and renew	
any and all foreign co assignee of my entire i	and request the Patent Office Officials in the United States and its territorial possessions and untries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its signs, to the full end of the term for which said Letters Patent may be granted, as fully and ould have been held by me had this Assignment and sale not been made.
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I hereby acknowled by fine or imprisonmen	ge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 at of not more than five (5) years, or both.
LEGAL NAME OF IN	IVENTOR
Inventor: Shuichi KU	Date: 19 May 2015
Signature:	un (rug)

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	GALLIUM NITRIDE SUBSTRATE AND MANUFACTURING METHOD OF NITRIDE SEMICONDUCTOR CRYSTAL
As the below name	d inventor, I hereby declare that:
This declaration 🗵	The attached application, or
is directed to:	United States application or PCT international application number
The above-identifie	ed application was made or authorized to be made by me.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
WHEREAS, MI' (hereinafter referre	rsubishi chemical corporation dto as "Assignee") having places of business at: 1-1, Marunouchi 1-chome, Chiyoda-ku,
Tokyo 100-8251 Ja to any Letters Pate all foreign countrie	apan, is desirous of acquiring the entire right, title and interest in and to said invention and in and in that may be granted therefore in the United States and its territorial possessions and in any and is;
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.	
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LEGAL NAME O	F INVENTOR
Inventor: Kazuno	Date: 5/19/2015

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	GALLIUM NITRIDE SUBSTRATE AND MANUFACTURING METHOD OF NITRIDE SEMICONDUCTOR CRYSTAL
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WHEREAS, MIT (hereinafter referre	rsubishi chemical corporation d to as "Assignee") having places of business at: 1-1, Marunouchi 1-chome, Chiyoda-ku,
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acknowledged, and said ASSIGNEE, the and in all foreign contermed to the conterment of the content of the conte	
any and all foreign assignee of my ent (his) successors an	ize 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 tire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its ad assigns, to the full end of the term for which said Letters Patent may be granted, as fully and the would have been held by me had this Assignment and sale not been made.
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LEGAL NAME O	F INVENTOR
Inventor: Hideo	FUJISAWA Date: May 20, 2015
Signature: \(\(\subseteq \subseteq \)	des figures

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	NITRIDE SEMICONDUCTOR CRYSTAL	
As the below name	As the below named inventor, I hereby declare that:	
This declaration 🗵	This declaration The attached application, or	
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WHEREAS, MI' (hereinafter referre	TSUBISHI CHEMICAL CORPORATION d to as "ASSIGNEE") having places of business at: 1-1, Marunouchi 1-chome, Chiyoda-ku,	
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LEGAL NAME OF INVENTOR		
Inventor: Tatsub	Date: May 20, 2015	
Signature: 工術 遺意		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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ALEXANDRIA, VIRGINIA 22314

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LEGAL NAME OF INVENTOR			
Inventor: Hirotal	ca IKEDA Date: May 20, 2015		
Signature:	边阳岩隆		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET

ALEXANDRIA, VIRGINIA 22314

Title of Invention	GALLIUM NITRIDE SUBSTRATE AND MANUFACTURING METHOD OF NITRIDE SEMICONDUCTOR CRYSTAL	
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LEGAL NAME OF INVENTOR		
Inventor: Hajime	MATSUMOTO Date: 2015/05/15	
Signature: 本本 意		

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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LEGAL NAME OF INVENTOR		
Inventor: Yutaka	MIKAWA Date: 20/5-5.19	
Signature: // /hhh		

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

PATENT

REEL: 035923 FRAME: 0745 **RECORDED: 06/16/2015**