503794973 04/22/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KENGO YASUI	04/07/2016
KAZUTAKA OKAMOTO	04/05/2016
SHUJI TAKADA	04/06/2016

RECEIVING PARTY DATA

Name:	HORIBA, LTD.
Street Address:	2, MIYANOHIGASHI-CHO, KISSHOIN, MINAMI-KU
City:	KYOTO-SHI, KYOTO
State/Country:	JAPAN
Postal Code:	601-8510

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15135676

CORRESPONDENCE DATA

Fax Number: (212)661-8002

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.

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 212-661-8000 Email: info@Imiplaw.com

Correspondent Name: LUCAS & MERCANTI, LLP

Address Line 1: 30 BROAD STREET

Address Line 2: 21ST FLOOR

Address Line 4: NEW YORK, NEW YORK 10004

ATTORNEY DOCKET NUMBER:	44584-1004
NAME OF SUBMITTER:	DONALD C. LUCAS
SIGNATURE:	/Donald C. Lucas/
DATE SIGNED:	04/22/2016

Total Attachments: 3

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PATENT 503794973 REEL: 038349 FRAME: 0827

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	RADIATION DETECTOR AND RADIATION DETECT	ION APPARATUS
As the below named i	nventor, I hereby declare that:	
This declaration is dir	ected to:	
☐ United States appli	cation, or international application number filed on	
The above-identified a	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.
	that any willful false statement made in this declaration is punishable under nore than five (5) years, or both.	18 U.S.C. § 1001 by fine or
WHEREAS, I, the identified above and d	below-identified Inventor, have invented certain new and useful improven escribed in the above-identified patent application(s) and/or patent(s) (herei	nents in the Invention nafter "Invention");
Kyoto-shi, Kyoto 6018	ba Ltd. (hereinafter "Assignee") having place of business at: 2. Miyanohiga 3510, Japan, is desirous of acquiring the entire right, title and interest in ancast may be granted therefore in the United States or its territorial possession	I to said invention and in and
NOW, this indenta acknowledged, and for	are witnesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), to other good and valuable consideration;	he receipt of which is hereby
identified above, inclu Patent of the United Si reissues and reexamina priority rights, Conven	Il and transfer my above-identified rights, title and interest in said Invention ding any divisions, continuations, and continuations-in-part thereof, and in a cates, and countries foreign thereto, which may be granted for said Invention ations thereof, which may be granted or have granted for said Invention, and tion rights, and other benefits accruing or to accrue to us with respect to the patents in the United States and countries foreign thereto, unto said Assigne	and to any and all Letters and in and to any and all I in and to any and all filing of applications for
And I hereby authorshich may issue for sa	orize and request the Commissioner of Patents and Trademarks to issue any id Invention to said Assignee, as assignee of the whole right, title and interc	United States Letters Patent est thereto;
patents, for filing divis reissue or reissues of a	e to sign and execute all necessary and lawful future documents, including a lons, continuations and continuations-in-part of said application for patent any Letters Patent which may be granted for my aforesaid Invention, as the fact time require and prepare at its own expense.	ind/or for obtaining any
York, 10004, the powe	ereby grants the firm of LUCAS & MERCANTI, LLP, located at 30 Broad r to insert on this assignment any further identification which may be neces of the United States Patent Office for recordation of this document.	Street, New York, New sary or desirable in order to
LEGAL NAME	Inventor: Shuji TAKADA	1620 -4 2011
OF INVENTOR	Signature: Shuji Takada	Date: Apr. 06, 20/6

LUCAS & MERCANTI, LLP 30 BROAD STREET, 21ST FLOOR NEW YORK, NY 10004

> PATENT REEL: 038349 FRAME: 0828

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

INVENTION	RADIATION DETECTOR AND RADIATION DETECT	ION APPARATUS
As the below named inventor, I hereby declare that:		
This declaration is dir	ected to:	
⊠The attached applic	ration, or	
☐ United States appl	cation or PCT international application number filed on	
The above-identified a	pplication 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.
I hereby acknowledge imprisonment of not n	that any willful false statement made in this declaration is punishable unde here than five (5) years, or both.	r 18 U.S.C. § 1001 by fine or
WHEREAS, I, the identified above and d	below-identified Inventor, have invented certain new and useful improver escribed in the above-identified patent application(s) and/or patent(s) (herei	nents in the Invention nafter "Invention");
AVOIO-SIII, KYOIO DUTE	<u>na Ltd.</u> (hereinafter "Assignee") having place of business at: <u>2. Miyanohiga</u> (<u>510. Japan</u> , is desirous of acquiring the entire right, title and interest in an at may be granted therefore in the United States or its territorial possession.	to said invention and in and
NOW, this indentu acknowledged, and for	re witnesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), other good and valuable consideration;	the receipt of which is hereby
Patent of the United St reissues and reexamina priority rights, Conven	If and transfer my above-identified rights, title and interest in said Invention ling any divisions, continuations, and continuations in-part thereof, and in a stes, and countries foreign thereto, which may be granted for said Invention tions thereof, which may be granted or have granted for said Invention, and tion rights, and other benefits accruing or to accrue to us with respect to the satents in the United States and countries foreign thereto, unto said Assigne	and to any and all Letters and in and to any and all in and to any and all filling of applications for
And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;		
And I further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its successors and designees may from time to time require and prepare at its own expense.		
i ork, 10004, me power	ereby grants the firm of LUCAS & MERCANTI, LLP, located at 30 Broad to insert on this assignment any further identification which may be neces f the United States Patent Office for recordation of this document.	Street, New York, New sary or desirable in order to
		At a control of the c
LEGAL NAME OF INVENTOR	Inventor: Kengo YASUI Signature:	Date: <u>Apr.</u> 7, 2016

LUCAS & MERCANTI, LLP 30 BROAD STREET, 21ST FLOOR NEW YORK, NY 10004

> PATENT REEL: 038349 FRAME: 0829

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	RADIATION DETECTOR AND RADIATION DETECTI	ON APPARATUS
As the below named i	nventor, I hereby declare that:	
This declaration is dir	ected to:	
☐ The attached applic		
☐ United States appl	ication 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 a	pplication.
I hereby acknowledge imprisonment of not r	that any willful false statement made in this declaration is punishable under nore than five (5) years, or both.	18 U.S.C. § 1001 by fine or
WHEREAS, I, the	e below-identified Inventor, have invented certain new and useful improvem lescribed in the above-identified patent application(s) and/or patent(s) (herein	ents in the Invention nafter "Invention");
WHEREAS, Horiba Ltd. (hereinafter "Assignee") having place of business at: 2, Miyanohigashicho, Kisshoin, Minami-ku, Kyoto-shi, Kyoto 6018510. 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 or its territorial possessions and in any and all foreign countries;		
NOW, this indenture witnesseth, that in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration;		
I hereby assign, sell and transfer my above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;		
And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;		
And I further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its successors and designees may from time to time require and prepare at its own expense.		
The undersigned hereby grants the firm of LUCAS & MERCANTI, LLP, located at 30 Broad Street, New York, New York, 10004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.		
LEGAL NAME OF INVENTOR	Inventor: Kazutaka OKAMOTO Signature: Mayutaka Okamoto	Date: Apr. 5, 2016

LUCAS & MERCANTI, LLP 30 BROAD STREET, 21ST FLOOR NEW YORK, NY 10004

> PATENT REEL: 038349 FRAME: 0830

RECORDED: 04/22/2016