504478192 07/28/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4524894

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KAZUHIKO SHIONO	06/19/2017
KEIGO MATSUURA	07/03/2017
HIROKI HOTAKA	06/19/2017

RECEIVING PARTY DATA

Name:	ASAHI GLASS COMPANY, LIMITED
Street Address:	5-1, Marunouchi 1-chome, Chiyoda-ku
City:	Tokyo
State/Country:	Japan
Postal Code:	100-8405

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15662482

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: adavis@oblon.com **Correspondent Name:** OBLON, ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	505136US
NAME OF SUBMITTER:	ALLISON B DAVIS
SIGNATURE:	/ALLISON B DAVIS/
DATE SIGNED:	07/28/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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> **PATENT** REEL: 043124 FRAME: 0331 504478192

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	OPTICAL FILTER AND IMAGING DEVICE	· ·
As the below name	ed inventor, I hereby declare that:	
This declaration 🗵	The attached application, or	
is directed to:	United States application or PCT international application on	ation number
The above-identifie	ed application was made or authorized to be made by m	e.
I believe that I am t	the original inventor or an original joint inventor of a cl	aimed invention in the application.
(hereinafter referre Tokyo 100-8405 Ja	AHI GLASS COMPANY, LIMITED ed to as "ASSIGNEE") having places of business at: apan, is desirous of acquiring the entire right, title and ent that may be granted therefore in the United States ar s;	interest in and to said invention and in and
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 DOLLA I for other good and valuable consideration, I, by these the full and exclusive right to the said invention in the lacountries (including the right to claim priority under the mational Treaties and Arrangements from the aforesaid any and all Letters Patent which may be granted there in any and all foreign countries and in and to any a enewals thereof.	e presents do sell, assign and transfer unto United States and its territorial possessions terms of the International Convention and application) and the entire right, title and efor in the United States and its territorial
any and all foreign assignee of my enti (his) successors an	ize and request the Patent Office Officials in the Unite in countries to issue any and all of said Letters Patent, tire right, title and interest in and to the same, for the said assigns, to the full end of the term for which said Le would have been held by me had this Assignment and	when granted, to said ASSIGNEE as the ole use and behoof of said ASSIGNEE, its etters Patent may be granted, as fully and
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.		
	viedge that any willful false statement made in this declared of not more than five (5) years, or both.	aration is punishable under 18 U.S.C. 1001
LEGAL NAME OF		7 .0 .18
Inventor: Kazuhil	iko SHIONO	Date: Jun. 19. 2017
Signature: Ka	zuhiko Shiono	•

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

PATENT REEL: 043124 FRAME: 0332

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	OPTICAL FILTER AND IMAGING DEVICE	5
	d inventor, I hereby declare that:	
This declaration 🗵	The attached application, or	
is directed to:	United States application or PCT international appli filed on	cation number
The above-identific	ed application was made or authorized to be made by n	ne.
I believe that I am t	the original inventor or an original joint inventor of a	daimed invention in the application.
	AHI GLASS COMPANY, LIMITED	en an ea en energe er al ea en
Tokyo 100-8405 Ja	ed to as "ASSIGNEE") having places of business at train, is desirous of acquiring the entire right, title and in that may be granted therefore in the United States of s;	I interest in and to said invention and in and
acknowledged, and said ASSIGNEE, the and in all foreign contact relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLA if for other good and valuable consideration, I, by the the full and exclusive right to the said invention in the countries (including the right to claim priority under the mational Treaties and Arrangements from the aforesai any and all Letters Patent which may be granted the in any and all foreign countries and in and to any enewals thereof.	se presents do sell, assign and transfer unto United States and its territorial possessions e terms of the International Convention and id application) and the entire right, title and refor in the United States and its territorial
any and all foreign assignce of my enti (his) successors and	ize and request the Patent Office Officials in the Unit a countries to issue any and all of said Letters Patent ire right, title and interest in and to the same, for the d assigns, to the full end of the term for which said a would have been held by me had this Assignment and	t, when granted, to said ASSIGNEE as the sole use and behoof of said ASSIGNEE, its Letters Patent may be granted, as fully and
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.		
by fine or imprison:	ledge that any willful false statement made in this dec ment of not more than five (5) years, or both.	aration is punishable under 18 U.S.C. 1001
LEGAL NAME OF		
Inventor: Keigo M	MATSUURA	Date: July, 3, 2017
Signature: 📈	eigo Matsuura.	TO DECEMBER AND A SECURITION OF THE COMMENT

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 043124 FRAME: 0333

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	OPTICAL FILTER AND IMAGING DEVICE
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	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.
(hereinafter referre Tokyo 100-8405 Ja	AHI GLASS COMPANY, LIMITED d to as "ASSIGNEE") having places of business at: 5-1, Marunouchi 1-chome, Chiyoda-ku pan, is desirous of acquiring the entire right, title and interest in and to said invention and in and at that may be granted therefore in the United States and its territorial possessions and in any and s;
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.	
	eledge 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 OF	INVENTOR
Inventor: Hiroki I	HOTAKA Date: June 19. 2017
Signature: 1/c/n	ohi Hotaka

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PATENT REEL: 043124 FRAME: 0334

RECORDED: 07/28/2017