### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

**EPAS ID: PAT4758748** 

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HIROYUKI WATABE	11/17/2017
SATORU HOMMURA	11/09/2017
JUN KATO	11/10/2017
TATSUYA MIYAJIMA	11/14/2017

#### **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:	15861095

#### **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.

(703) 413-3000 Phone:

Email: bbotchway@oblon.com

**Correspondent Name:** OBLON, ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	510316US
NAME OF SUBMITTER:	BRANDON BOTCHWAY
SIGNATURE:	/Brandon Botchway/
DATE SIGNED:	01/03/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4** 

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**PATENT** REEL: 044524 FRAME: 0581

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> PATENT REEL: 044524 FRAME: 0582

Title of LIQUID COMPOSITION, METHOD FOR PRODUCING IT, AND METHOD FOR PRODUCING MEMBRANE/ELECTRODE ASSEMBLY	
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	
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, Asahi Glass Company, Limited	
(hereinafter referred to as "ASSIGNEE") having places of business at: <u>S-1</u> , <u>Maranouchi 1-chome</u> , <u>Chiyoda-ka</u> , <u>TOKYO 100-840S</u> , <u>JAPAN</u> , 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: Hiroyuki Watabe Date: Nov. 17, 2017	
Signature: Myonahi Watale	

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 044524 FRAME: 0583

Title of Invention	LIQUID COMPOSITION, METHOD FOR PRODUCING IT, AND METHOD FOR PRODUCING MEMBRANE/ELECTRODE ASSEMBLY	
As the below name	d inventor, I hereby declare that:	
This declaration	This declaration  The attached application, or	
is directed to:	United States application or PCT international application number filed on	
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	hi Glass Company, Limited dto as "ASSIGNEE") having places of business at: <u>S-1, Murunouchi 1-chome, Chiyoda-ku, JAPAN</u> , is desirous of acquiring the entire right, title and interest in and to said invention and in Patent that may be granted therefore in the United States and its territorial possessions and in any stries;	
acknowledged, and ASSIGNEE, the ful all foreign countrie relevant Internation in and to any and 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 said I and exclusive right to the said invention in the United States and its territorial possessions and in s (including the right to claim priority under the terms of the International Convention and other al Treaties and Arrangements from the aforesaid application) and the entire right, title and interest II Letters Patent which may be granted therefor in the United States and its territorial possessions foreign countries and in and to any and all divisions, reissues, continuations, substitutions and	
and all foreign cour of my entire right, successors and assi	te and request the Patent Office Officials in the United States and its territorial possessions and any attries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) gns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely have been held by me had this Assignment and sale not been made.	
respecting said in continuation, substall of said Letters Pate aid said ASSIGN	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me vention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, tute, renewal and reissue applications, execute all necessary assignment papers to cause any and atent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible IEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in and its territorial possessions and in any and all foreign countries.	
by fine or imprison	ledge 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: Satoru	Hommura Date: Nov 9 - 2017	
Signature: Sc	<del>моги Ноптича</del>	

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 044524 FRAME: 0584

Title of LIQUID COMPOSITION, METHOD FOR PRODUCING IT, AND METHOD FOR PRODUCING MEMBRANE/ELECTRODE ASSEMBLY	)
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, Asahi Glass Company, Limited (hereinafter referred to as "ASSIGNEE") having places of business at: <u>S-1, Marunouchi 1-chome, Chiyo TOKYO 100-8405, JAPAN</u> , is desirous of acquiring the entire right, title and interest in and to said invention and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and and all foreign countries;	and in
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer un ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions all foreign countries (including the right to claim priority under the terms of the International Convention and relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and i in and to any and all Letters Patent which may be granted therefor in the United States and its territorial posses and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitution renewals thereof.	nto said and in d other interest essions
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions a and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the as of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, it successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and as the same would have been held by me had this Assignment and sale not been made.	ssignee ts (his)
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divice continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause a all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything p to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invertible United States and its territorial possessions and in any and all foreign countries.	isional, iny and ossible
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C by fine or imprisonment of not more than five (5) years, or both.	C. 1001
LEGAL NAME OF INVENTOR	
Inventor: Jun Kato Date: Nov. 10 2017	شد
Signature: Jun Kato	

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

PATENT

**REEL: 044524 FRAME: 0585** 

Title of LIQUID COMPOSITION, METHOD FOR PRODUCING IT, AND METHOD Invention FOR PRODUCING MEMBRANE/ELECTRODE ASSEMBLY	
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, Asahi Glass Company, Limited (hereinafter referred to as "ASSIGNEE") having places of business at: 5-1, Manunouchi 1-chome, Chiyoda-ku, TOKYO 100-8405, 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.	
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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: Tatsuya Miyajima Date: Nov. 14, 2017	
Signature: Talsuya Miya jima	

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

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 044524 FRAME: 0586

**RECORDED: 01/03/2018**