503410971 07/28/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SATOSHI TAMAI	06/17/2015
KUNIO YUBE	06/17/2015

RECEIVING PARTY DATA

Name:	MITSUBISHI GAS CHEMICAL COMPANY, INC.
Street Address:	MITSUBISHI BUILDING, 5-2, MARUNOUCHI 2-CHOME, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8324

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14763891

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: kwijegunawardana@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	454179US99 PCT
NAME OF SUBMITTER:	KASUN WIJEGUNAWARDANA
SIGNATURE:	/kasun wijegunawardana/
DATE SIGNED:	07/28/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT 503410971 REEL: 036192 FRAME: 0615

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	LIQUID COMPOSITION USED IN ETCHING MULTILAYER FILM CONTAINING COPPER AND MOLYBDENUM, MANUFACTURING METHOD OF SUBSTRATE USING SAID LIQUID COMPOSITION, AND SUBSTRATE MANUFACTURED BY SAID MANUFACTURING METHOD	
As the below name	inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States application or PCT international application number PCT/JP2014/060325 filed on April 9, 2014	
The above-identifie	d application was made or authorized to be made by me.	
I believe that I am the	ne original inventor or an original joint inventor of a claimed invention in the application.	
(hereinafter referred 2-chome, Chiyoda-said invention and in possessions and in a	SUBISHI GAS CHEMICAL COMPANY, INC. It to as "ASSIGNEE") having places of business at: MITSUBISHI Building, 5-2, Marunouchi cu. Tokyo 100-8324 JAPAN, is desirous of acquiring the entire right, title and interest in and to n and to any Letters Patent that may be granted therefore in the United States and its territorial my and all foreign countries;	
acknowledged, and said ASSIGNEE, th and in all foreign co other relevant International interest in and to an	ORE, 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 e full and exclusive right to the said invention in the United States and its territorial possessions ountries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and may 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, newals thereof.	
any and all foreign assignee of my entir (his) successors and	the and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its assigns, to the full end of the term for which said Letters Patent may be granted, as fully and 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.		
by fine or imprisonn	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.	
LEGAL NAME OF		
Inventor: Satoshi		
Signatura: Late	shi Jamei	

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

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 036192 FRAME: 0616

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	LIQUID COMPOSITION USED IN ETCHING MULTILAYER FILM		
Invention	CONTAINING COPPER AND MOLYBDENUM, MANUFACTURING		
	METHOD OF SUBSTRATE USING SAID LIQUID COMPOSITION, AND		
	SUBSTRATE MANUFACTURED BY SAID MANUFACTURING METHOD		
As the below name	l inventor, I hereby declare that:		
This declaration	The attached application, or		
is directed to: United States application or PCT international application number PCT/JP2014/060325 filed on April 9, 2014			
The above-identifie	d application was made or authorized to be made by me.		
I believe that I am	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
	SUBISHI GAS CHEMICAL COMPANY, INC.		
2-chome, Chiyoda- said invention and	It to as "ASSIGNEE") having places of business at: <u>MITSUBISHI Building. 5-2. Marunouch cu. Tokyo 100-8324 JAPAN</u> , is desirous of acquiring the entire right, title and interest in and to any Letters Patent that may be granted therefore in the United States and its territoriany and all foreign countries;		
acknowledged, and said ASSIGNEE, the and in all foreign conther relevant Inter- interest in and to a	ORE, 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 untile full and exclusive right to the said invention in the United States and its territorial possession nuntries (including the right to claim priority under the terms of the International Convention and national 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 territoria any and all foreign countries and in and to any and all divisions, reissues, continuations newals 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.			
	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 100 nent of not more than five (5) years, or both.		
LEGAL NAME OF	INVENTOR		
Inventor: Kunio	<u>UBE</u> <u>Date:</u> <u>June 17, 2015</u>		
Signature: χ	inio Zube		

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

PATENT REEL: 036192 FRAME: 0617

RECORDED: 07/28/2015