## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5272336

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KAZUMA YAMAMOTO	07/06/2018
YURIKO MATSUURA	07/06/2018
TOMOYASU YASHIMA	07/06/2018
TATSURO NAGAHARA	07/06/2018

### **RECEIVING PARTY DATA**

Name:	AZ ELECTRONIC MATERIALS (LUXEMBOURG) S.A.R.L.
Street Address:	46 PLACE GUILLLAUME II
City:	LUXEMBOURG
State/Country:	LUXEMBOURG
Postal Code:	1648

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16308168

### **CORRESPONDENCE DATA**

Fax Number: (302)467-4201

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: 302-467-4200

Email: jamie.jensen-smith@dbr.com

**Correspondent Name:** DRINKER BIDDLE & REATH LLP (WM) Address Line 1: 222 DELAWARE AVENUE, STE. 1410 Address Line 4: WILMINGTON, DELAWARE 19801-1621

ATTORNEY DOCKET NUMBER:	216138-0022-US-584539
NAME OF SUBMITTER:	ASHLEY I PEZZNER
SIGNATURE:	/Ashley I Pezzner/
DATE SIGNED:	12/07/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4** 

source=Assignment\_Declarations#page1.tif

**PATENT** REEL: 047708 FRAME: 0695

505225567

source=Assignment\_Declarations#page2.tif
source=Assignment\_Declarations#page3.tif
source=Assignment\_Declarations#page4.tif

# APPLICATION DATA SHEET (37 CFR 1, 76) AND ASSIGNMENT A RINSE COMPOSITION, A METHOD FOR FORMING RESIST PATTERNS AND A Title of METHOD FOR MAKING SEMICONDUCTOR DEVICES Invention As the below named Inventor, I hereby declare that: This declaration [ ] The attached application, or [ x] United States application or PCT international application number is directed to: PCT/EP2017/064908 filed on June 19, 2017. 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, AZ Electronic Materials (LUXEMBOURG) S.A.R.L. having a place of business at: 46 Place Guillaume II 1648 Luxembourg, Luxembourg (hereinafter referred to as "ASSIGNEE(S)") 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, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), 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(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), 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(S) 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(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), 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 Date: July. 6, 21/8 Cazuma Jamame Co Inventor: Kazuma YAMAMOTO

Signature:

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN

DECLARATION (37 CFR 1.63) FOR UTILITY OR DI APPLICATION DATA SHEET (37 CFR 1.		
Title of Invention A RINSE COMPOSITION, A METHOD FOR FOR MAKING SEMICONDUCTOR D		
As the below named Inventor, I hereby declare that:		
This declaration [ ] The attached application, or		
is directed to: [x] United States application or PCT intern PCT/EP2017/064908 filed on June 19, 20	national application number 017.	
The above-identified application was made or authorized to be n	nade by me.	
I believe that I am the original inventor or an original joint inventor	or of a claimed invention in the application.	
WHEREAS, AZ Electronic Materials (LUXEMBOURG) S.A.R.L. Guillaume II 1648 Luxembourg, Luxembourg	having a place of business at: 46 Place	
(hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and Letters Patent that may be granted therefore in the United S in any and all foreign countries;	to said invention and in and to any tates and its territorial possessions and	
NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), 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(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), 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(S) 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(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), 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 18 U,S.C. 1001 by fine or imprisonment of not more than five (5)	e in this declaration is punishable under ) years, or both.	
LEGAL NAME OF INVENTOR		
Inventor: Yuriko MATSUURA	Date: July, 6, 2018	
Yoriko Matruura		

Signature:

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1. 76) AND ASSIGNMENT		
Title of Invention	A RINSE COMPOSITION, A METHOD FOR FOR METHOD FOR MAKING SEMICONDUCTOR D	RMING RESIST PATTERNS AND A
	named Inventor, I hereby declare that:	
This declaration	n [ ] The attached application, or	
is directed to:	<ul><li>[ x] United States application or PCT intern PCT/EP2017/064908 filed on June 19, 20</li></ul>	
The above-ide	ntified application was made or authorized to be m	made by me.
f believe that I	am the original inventor or an original joint invento	or of a claimed invention in the application.
	Z Electronic Materials (LUXEMBOURG) S.A.R.L. 648 Luxembourg, Luxembourg	. having a place of business at: 46 Place
is desirous of a Letters Patent	ferred to as "ASSIGNEE(S)") acquiring the entire right, title and interest in and that may be granted therefore in the United St foreign countries;	
hereby acknow exclusive right countries (inclu- relevant Intern- title and intere- and its territori	EREFORE, for good and valuable consideration wledged, I, by these presents do assign and trans to the said invention in the United States and its uding the right to claim priority under the terms of national Treaties and Arrangements from the afost in and to any and all Letters Patent which may ial possessions and in any and all foreign count nuations, substitutions and renewals thereof.	sfer unto said ASSIGNEE(S), the full and s territorial possessions and in all foreign of the International Convention and other foresaid application) and the entire right, y be granted therefor in the United States
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(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), 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(S) 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(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), 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.		
	knowledge that any willful false statement made 1 by fine or imprisonment of not more than five (5)	
LEGAL NAME	OF INVENTOR	
Inventor: Tom	noyasu YASHIMA	Date: 6 7 20/8
Signature:	Tomoyasu Yashima	

	ATION (37 CFR 1.63) FOR UTILITY OR DI APPLICATION DATA SHEET (37 CFR 1.		
Title of Invention	A RINSE COMPOSITION, A METHOD FOR FOR METHOD FOR MAKING SEMICONDUCTOR D	RMING RESIST PATTERNS AND A	
As the below n	As the below named Inventor, I hereby declare that:		
This declaration	n [ ] The attached application, or		
is directed to:	[ x] United States application or PCT intern PCT/EP2017/064908 filed on June 19, 20	ational application number 217.	
The above-ide	ntified application was made or authorized to be n	nade by me.	
I believe that I	am the original inventor or an original joint invento	or of a claimed invention in the application.	
WHEREAS, AZ Guillaume II 16	Z Electronic Materials (LUXEMBOURG) S.A.R.L. 648 Luxembourg, Luxembourg	having a place of business at: 46 Place	
is desirous of a Letters Patent	erred to as "ASSIGNEE(S)") acquiring the entire right, title and interest in and that may be granted therefore in the United Si foreign countries;		
hereby acknow exclusive right countries (inclu relevant Intern title and interes and its territoria	REFORE, for good and valuable consideration vedged, i, by these presents do assign and trans to the said invention in the United States and its iding the right to claim priority under the terms of ational Treaties and Arrangements from the afost in and to any and all Letters Patent which may all possessions and in any and all foreign count nuations, substitutions and renewals thereof.	sfer unto said ASSIGNEE(S), the full and territorial possessions and in all foreign f the International Convention and other presaid application) and the entire right, be granted therefor in the United States	
possessions are to said ASSIGI the sole use a the term for wh	athorize and request the Patent Office Officials and any and all foreign countries to issue any and NEE(S) as the assignee of my entire right, title and behoof of said ASSIGNEE(S), its (his) suchich said Letters Patent may be granted, as full ne had this Assignment and sale not been made	all of said Letters Patent, when granted, e and interest in and to the same, for occessors and assigns, to the full end of ly and entirely as the same would have	
execute all div assignment pa make all right successors and	gree that I will communicate to said ASSIGNEE especting said invention, and testify in any leg risional, continuation, substitute, renewal and rei pers to cause any and all of said Letters Pater ful oaths, and, generally do everything possi d assigns, to obtain and enforce proper protection of the proper protection of the proper protection of the property of the proper protection of the proper protection of the property	gal proceeding, sign all lawful papers, ssue applications, execute all necessary at to be issued to said ASSIGNEE(S), ble to aid said ASSIGNEE(S), its (his) on for said invention in the United States.	
I hereby act 18 U,S.C. 1001	knowledge that any willful false statement made I by fine or imprisonment of not more than five (5)	e in this declaration is punishable under years, or both.	
LEGAL NAME	OF INVENTOR		
Inventor: Tats	uro NAGAHARA	Date: Jul. 6, 2018	
Signature:	ON D		

**RECORDED: 12/07/2018**