

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4933084

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XINJIAN LEI	04/20/2018
MATTHEW R MACDONALD	04/20/2018
MOO-SUNG KIM	04/16/2018
SE-WONG LEE	04/16/2018
RECEIVING PARTY DATA	
Name:	VERSUM MATERIALS US, LLC
Street Address:	8555 SOUTH RIVER PARKWAY
Internal Address:	PATENT DEPT.
City:	TEMPE
State/Country:	ARIZONA
Postal Code:	85284
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15914968
CORRESPONDENCE DATA	
Fax Number:	(610)514-9560
<i>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.</i>	
Phone:	484-246-5768
Email:	VersumPatents@VersumMaterials.com
Correspondent Name:	LISA HOFFMANN
Address Line 1:	7350 TILGHMAN STREET, SUITE 104
Address Line 2:	PATENT DEPT.
Address Line 4:	ALLENTOWN, PENNSYLVANIA 18106-9000
ATTORNEY DOCKET NUMBER:	08020Z2P USA
NAME OF SUBMITTER:	LINA YANG
SIGNATURE:	/Lina Yang/
DATE SIGNED:	04/25/2018
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 3

source=08020Z2P-usa-04-25-18-assignment#page1.tif

source=08020Z2P-usa-04-25-18-assignment#page2.tif

source=08020Z2P-usa-04-25-18-assignment#page3.tif

ASSIGNMENT & DECLARATION

For value received, we, Xinjian Lei, Matthew R. MacDonald, Moo-Sung Kim and Se-Won Lee, hereby sell, assign, and transfer to **VERSUM MATERIALS US, LLC**, a corporation of the State of Delaware, having an office at 8555 South River Parkway, Tempe, AZ 85284, the entire right, title, and interest in and to the invention relating to

Formulation for Deposition of Silicon Doped Hafnium Oxide as Ferroelectric Materials

described in our application for Letters Patent of the United States (identified by Docket No. 08020Z2P USA; and/or Appl. No. 15/914,968; filed on March 7, 2018), in and to all Letters Patent which may be issued upon said application, in and to any divisional or reissue applications based thereon, and in and to all Letters Patent upon said invention or improvements which may be granted in foreign countries. We hereby also assign and convey to said **VERSUM MATERIALS US, LLC**, all the rights accruing to us by virtue of the International Convention for the Protection of Industrial Property (Art. 4), including the right to apply for and to have patents issued in its own name.

And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the Officials of the Patent Offices of all other countries to issue the Letters Patent of their respective countries to said **VERSUM MATERIALS US, LLC**, as assignee of the entire right, title, and interest in and to the same.

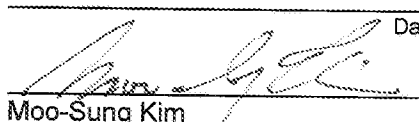
And we hereby promise and agree to execute all papers and perform all acts necessary to secure to and vest in said **VERSUM MATERIALS US, LLC**, its successors and assigns, the rights conveyed as herein set forth.

And I hereby authorize the above-mentioned Assignee or its legal representative to insert in the instrument the application serial number of aforesaid application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office.

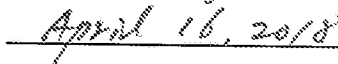
And we hereby declare that the above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

_____(L.S.)
Xinjian Lei

_____(L.S.)
Matthew R. MacDonald

Date

_____(L.S.)
Moo-Sung Kim

Date
_____(L.S.)
Se-Wong Lee



Date
April 16, 2018

Date

ASSIGNMENT & DECLARATION

For value received, we, Xinjian Lei, Matthew R. MacDonald, Moo-Sung Kim and Se-Won Lee, hereby sell, assign, and transfer to **VERSUM MATERIALS US, LLC**, a corporation of the State of Delaware, having an office at 8555 South River Parkway, Tempe, AZ 85284, the entire right, title, and interest in and to the invention relating to

Formulation for Deposition of Silicon Doped Hafnium Oxide as Ferroelectric Materials

described in our application for Letters Patent of the United States (identified by Docket No. 08020Z2P USA; and/or Appl. No. 15/914,968; filed on March 7, 2018), in and to all Letters Patent which may be issued upon said application, in and to any divisional or reissue applications based thereon, and in and to all Letters Patent upon said invention or improvements which may be granted in foreign countries. We hereby also assign and convey to said **VERSUM MATERIALS US, LLC**, all the rights accruing to us by virtue of the International Convention for the Protection of Industrial Property (Art. 4), including the right to apply for and to have patents issued in its own name.

And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the Officials of the Patent Offices of all other countries to issue the Letters Patent of their respective countries to said **VERSUM MATERIALS US, LLC**, as assignee of the entire right, title, and interest in and to the same.

And we hereby promise and agree to execute all papers and perform all acts necessary to secure to and vest in said **VERSUM MATERIALS US, LLC**, its successors and assigns, the rights conveyed as herein set forth.

And I hereby authorize the above-mentioned Assignee or its legal representative to insert in the instrument the application serial number of aforesaid application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office.

And we hereby declare that the above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. 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.

_____(L.S.)
Xinjian Lei

_____(L.S.)
Matthew R. MacDonald

Date

Date

_____(L.S.)
Moo-Sung Kim

_____(L.S.)
Se-Wong Lee

Date

Date
April 16, 2018