

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT6010871

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MING LI	02/26/2019
XINJIAN LEI	02/26/2019
RAYMOND N. VRTIS	02/26/2019
ROBERT G. RIDGEWAY	02/26/2019
MANCHAO XIAO	02/26/2019
RECEIVING PARTY DATA	
Name:	VERSUM MATERIALS US, LLC
Street Address:	8555 S. RIVER PARKWAY
City:	TEMPE
State/Country:	ARIZONA
Postal Code:	85284
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16646686
CORRESPONDENCE DATA	
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Correspondent Name:	SHEILA VICTOR FOR JOSEPH D. ROSSI, ESQ.
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Address Line 4:	MALVERN, PENNSYLVANIA 19355
ATTORNEY DOCKET NUMBER:	188947-3115
NAME OF SUBMITTER:	SHEILA VICTOR
SIGNATURE:	/SHEILA VICTOR/
DATE SIGNED:	03/12/2020
Total Attachments: 3	

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PATENT

REEL: 052096 FRAME: 0790

ASSIGNMENT - Patent Application		Docket Number: <u>08042ZP (188947-3093)</u>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. Ming Li	2. Xinjian Lei
	3. Raymond N. Vrtis	4. Robert G. Ridgeway
	5. Manchao Xiao	6.
made an invention entitled: COMPOSITIONS AND METHODS FOR DEPOSITING SILICON-CONTAINING FILMS		
which is the subject of International Patent Application No. <u>PCT/US2018/050414</u> filed on <u>September 11, 2018</u> and United States Provisional Patent Application No. <u>62/558,621</u> filed on <u>September 14, 2017</u>		
ASSIGNEE (Full Name and Address)	VERSUM MATERIALS US, LLC 8555 S. River Parkway Tempe, Arizona 85284 United States of America	
<p>is desirous of acquiring the entire interest in and to said invention, said patent applications, and the Letters Patent to be obtained therefor.</p> <p>Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.</p> <p>Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.</p> <p>Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.</p> <p>If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.</p>		

ASSIGNMENT - Patent ApplicationDocket Number: **08042ZP (188947-3093)**

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

Typed or Printed Name	Signature	Date
1. Ming Li	<u>Ming Li</u>	<u>February 26, 2019</u>
	<u>Marjorie R. Kistler</u>	<u>2/26/19</u>
	* Witness to Assignor #1	
2. Xinjian Lei	<u>Xinjian Lei</u>	<u>February 26, 2019</u>
	<u>Marjorie R. Kistler</u>	<u>2/26/19</u>
	* Witness to Assignor #2	
3. Raymond N. Vrtis	_____	_____
	_____	_____
	* Witness to Assignor #3	
4. Robert G. Ridgeway	_____	_____
	_____	_____
	* Witness to Assignor #4	
5. Manchao Xiao	<u>Manchao Xiao</u>	<u>February 26, 2019</u>
	<u>Marjorie R. Kistler</u>	<u>2/26/19</u>
	* Witness to Assignor #5	
6.	_____	_____
	_____	_____
	* Witness to Assignor #6	

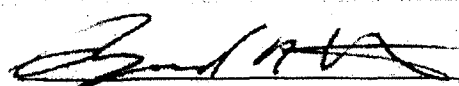

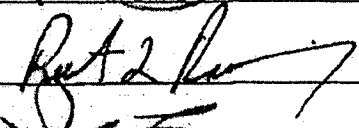

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* Witness signature recommended, mandatory for some countries

ASSIGNMENT - Patent ApplicationDocket Number: **080422P (188947-3093)**

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

Typed or Printed Name	Signature	Date
1. Ming Li		
	* Witness to Assignor #1	
2. Xinjian Lei		
	* Witness to Assignor #2	
3. Raymond N. Vrtis		2/26/19
		2/26/19
	* Witness to Assignor #3	
4. Robert G. Ridgeway		2/26/19
		2/26/19
	* Witness to Assignor #4	
5. Manchao Xiao		
	* Witness to Assignor #5	
6.		
	* Witness to Assignor #6	

Total Number of Assignment Pages **2**

* Witness signature recommended, mandatory for some countries