

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	MINH LE	10/19/2018
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	INTERMOLECULAR INC.	
<b>Street Address:</b>	3011 N. FIRST STREET	
<b>City:</b>	SAN JOSE	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	95134	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15451518	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
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<b>Email:</b>	jnm@nixonvan.com, ptomail@nixonvan.com	
<b>Correspondent Name:</b>	NIXON & VANDERHYE PC	
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<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95134	
<b>ATTORNEY DOCKET NUMBER:</b>	3691-3952	
<b>NAME OF SUBMITTER:</b>	JONATHAN A. ROBERTS	
<b>SIGNATURE:</b>	/Jonathan A. Roberts/	
<b>DATE SIGNED:</b>	10/23/2018	
<b>Total Attachments: 3</b>		
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source=3691-3952_Assignment#page3.tif		

**ASSIGNMENT FOR PATENT APPLICATION**  
**(All Rights)**

WHEREAS, Cesar CLAVERO; Guowen DING; Daniel LEE; Scott JEWHRST; Daniel SCHWEIGERT; Gaurav SARAF; Guizhen ZHANG and Minh LE; all c/o INTERMOLECULAR INC., 3011 N. First Street, San Jose, CA 95134, respectively (hereinafter ASSIGNORS) have made an invention entitled COATED ARTICLE HAVING LOW-E COATING WITH IR REFLECTING LAYER(S) AND YTTRIUM INCLUSIVE HIGH INDEX NITRIDED DIELECTRIC LAYER for which a so-entitled application for Letters Patent of the United States was filed on **March 7, 2017** under Serial No. **15/451,518**;

WHEREAS, INTERMOLECULAR INC. (hereinafter ASSIGNEE), a Delaware corporation, having an office and place of business at 3011 N. First Street, San Jose, California, 95134, is desirous of acquiring an interest therein;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the below listed ASSIGNORS, having sold, assigned, and transferred, hereby sell, assign, and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNORS' entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all national stage applications, foreign counterpart applications, PCT applications, continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the below listed ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives.

ASSIGNORS hereby agree to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and

ASSIGNORS hereby agree, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, its successors, assigns, or legal representatives, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

AGREED and executed as noted below:

\_\_\_\_\_  
Date Cesar CLAVERO

Witnessed by: \_\_\_\_\_

\_\_\_\_\_  
Date Guowen DING

Witnessed by: \_\_\_\_\_

\_\_\_\_\_  
Date Daniel LEE

Witnessed by: \_\_\_\_\_

\_\_\_\_\_  
Date Scott JEWHRST

Witnessed by: \_\_\_\_\_

\_\_\_\_\_  
Date Daniel SCHWEIGERT

Witnessed by: \_\_\_\_\_

\_\_\_\_\_  
Date Gaurav SARAF

Witnessed by: \_\_\_\_\_

\_\_\_\_\_  
Date Guizhen ZHANG

Witnessed by: \_\_\_\_\_

10/19/2018  
\_\_\_\_\_  
Date Minh LE

Witnessed by: \_\_\_\_\_