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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GUOWEN DING	03/07/2017
GUIZHEN ZHANG	03/06/2017
DANIEL LEE	03/06/2017
DANIEL SCHWEIGERT	03/06/2017
CESAR CLAVERO	03/06/2017
SCOTT JEWHURST	03/06/2017

RECEIVING PARTY DATA

Name:	INTERMOLECULAR INC.
Street Address:	3011 N. FIRST STREET
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15446023

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	JOSEPH A. RHOA
SIGNATURE:	/Joseph A. Rhoa/
DATE SIGNED:	08/30/2018

Total Attachments: 3

PATENT REEL: 046748 FRAME: 0599

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> PATENT REEL: 046748 FRAME: 0600

ASSIGNMENT FOR PATENT APPLICATION (All Rights)

WHEREAS, Guowen DING; Guizhen ZHANG; Daniel LEE; Daniel SCHWEIGERT; Cesar CLAVERO; Scott JEWHURST 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 WITH LOW-E COATING HAVING IR REFLECTING SYSTEM WITH SILVER AND ZINC BASED BARRIER LAYER(S) for which a so-entitled application for Letters Patent of the United States was filed on March 1, 2017 under Serial No. 15/446,023;

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, relssues, 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:

3/7/20/7 Date	Ground J Guowen DING
Witnessed by: W	
03/06/2017 Date Witnessed by:	Guizhen ZHANG
63/06/17 Date	Daniel LE
Witnessed by: M	
$\frac{3/6/20(7)}{\text{Date}}$	Daniel SCHWEIGERT
Witnessed by: W	
3/6/2017 Date	Cesar CLAVERO
Witnessed by:	
8/6/2017 Date Witnessed by:	See & Jewfrunt Soott JEWHURST

Date	Minh LE
Witnessed by:	

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