505070852 08/30/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
GUIZHEN ZHANG	03/06/2017
DANIEL SCHWEIGERT	03/06/2017
GUOWEN DING	03/07/2017
DANIEL LEE	03/06/2017
CESAR CLAVERO	03/06/2017
SCOTT JEWHURST	03/06/2017
GAURAV SARAF	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:	15448739

CORRESPONDENCE DATA

Fax Number: (703)816-4100

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	JAR-3691-3948
NAME OF SUBMITTER:	JOSEPH A. RHOA
SIGNATURE:	/Joseph A. Rhoa/
DATE SIGNED:	08/30/2018

PATENT REEL: 046749 FRAME: 0439

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Total Attachments: 6 source=3691-3948_Assignment_Intermolecular#page1.tif source=3691-3948_Assignment_Intermolecular#page2.tif source=3691-3948_Assignment_Intermolecular#page3.tif source=3691-3948_Assignment_Intermolecular#page4.tif source=3691-3948_Assignment_Intermolecular#page5.tif source=3691-3948_Assignment_Intermolecular#page6.tif

PATENT REEL: 046749 FRAME: 0440

ASSIGNMENT FOR PATENT APPLICATION (All Rights)

WHEREAS, Guizhen ZHANG; Daniel SCHWEIGERT; Guowen DING; Daniel LEE; Cesar CLAVERO; Scott JEWHURST; Gaurav SARAF 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 DOPED TITANIUM OXIDE DIELECTRIC LAYER(S) AND METHOD OF MAKING SAME for which a so-entitled application for Letters Patent of the United States was filed on March 3, 2017 under Serial No. 15/448,739;

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.

03/06/2017	
Date Witnessed by:	Gulzhen ZHANG
3(6/2017 Date	26
Witnessed by:	Daniel SCHWEIGERT
2/7/2017 Date /	Gene Rig Guoven DING
Witnessed by:	
03/06/17 Date	Danke
Witnessed by:	DatWellEE
3/6/2072	
Witnessed by:	Cesar CLAVERO
3/6/2017	Seal genthiust
Date Witnessed by:	Scott/JEWHURST

Date	Gaurav SARAF
Witnessed by:	
Date	Minh LE
Witnessed hy	

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WHEREAS, Guizhen ZHANG; Daniel SCHWEIGERT; Guowen DING; Daniel LEE; Cesar CLAVERO; Scott JEWHURST; Gaurav SARAF 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 DOPED TITANIUM OXIDE DIELECTRIC LAYER(S) AND METHOD OF MAKING SAME for which a so-entitled application for Letters Patent of the United States was filed on March 3, 2017 under Serial No. 15/448,739;

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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:

hindi da kilomatikinin qara yurungiga qaqarafa asun miqaya qoʻshira dipuloloksa kilo	Date	talanda aya balanda mahada ya Mahadi a a wake a wake a	والمراوعة والمرورة والمراوعة والمراع	Gulzhen ZHANG	***************************************
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Barranii Malaysa ne wake palaka na kiriga paparanii aya ka	Date			Daniel SCHWEIGERT	PRINCIPAL AND
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	Date		American property man protect high approximation and annual	Guowen DING	integraliya sanga sijin minga asi
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	Date	ech-mod eldfiglig bezon e charached di demokra eldfia hangs bezongelen ha		Daniel LEE	***************************************
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	Date			Cesar CLAVERO	.,
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sprid payton a new sinda na aponi ani tan' na dipantini dinahatan tenah perta	Date	Mggarlas ungu, than a transacurus volus esculuy dial adjustica descripcidans	Matter manusch de de troue des des aussisses de segue	Scott JEWHURST	nekrzeninderederreenine
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03/06/2017	Joursey Saraf
/ / Date	Gaurav SARAF V
Witnessed by:	MANIMA MA
Date	Minh LE
Witnessed by:	