

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Muhammad IMRAN</td> <td>01/09/2013</td> </tr> <tr> <td>Brent BOYCE</td> <td>01/23/2013</td> </tr> <tr> <td>Jean-Marc LEMMER</td> <td>01/14/2013</td> </tr> <tr> <td>Marcus FRANK</td> <td>01/17/2013</td> </tr> <tr> <td>Yongli XU</td> <td>01/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	Muhammad IMRAN	01/09/2013	Brent BOYCE	01/23/2013	Jean-Marc LEMMER	01/14/2013	Marcus FRANK	01/17/2013	Yongli XU	01/18/2013
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<table border="1"> <tr> <td>Name:</td> <td>Guardian Industries Corp.</td> </tr> <tr> <td>Street Address:</td> <td>2300 Harmon Road</td> </tr> <tr> <td>City:</td> <td>Auburn Hills</td> </tr> <tr> <td>State/Country:</td> <td>MICHIGAN</td> </tr> <tr> <td>Postal Code:</td> <td>48326-1714</td> </tr> </table>		Name:	Guardian Industries Corp.	Street Address:	2300 Harmon Road	City:	Auburn Hills	State/Country:	MICHIGAN	Postal Code:	48326-1714		
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CORRESPONDENCE DATA													
<p>Fax Number: 7038164100 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 703-816-4000 Email: caj@nixonvan.com Correspondent Name: Nixon & Vanderhye P.C. Address Line 1: 901 N. Glebe Road Address Line 4: Arlington, VIRGINIA 22203</p>													
ATTORNEY DOCKET NUMBER:	JAR-3691-2778												
NAME OF SUBMITTER:	Joseph A. Rhoa												
Total Attachments: 10													

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ASSIGNMENT FOR PATENT APPLICATION
(All Rights)

WHEREAS, Muhammad IMRAN of 23832 Brownstown Square Drive, Brownstown, Michigan 48174; Brent BOYCE of 44532 Midway Drive, Novi, Michigan 48375; Jean-Marc LEMMER of 1157 Bicentennial Parkway, Ann Arbor, Michigan 48108; Marcus FRANK of 490 Liberty Pointe Drive, Ann Arbor, Michigan 48103-6804 and Yongli XU of 13966 Orchard Court, Plymouth, Michigan 48170, (hereinafter ASSIGNORS), have made an invention entitled **COATED ARTICLE WITH LOW-E COATING INCLUDING TIN OXIDE INCLUSIVE LAYER(S) WITH ADDITIONAL METAL(S)** for which a so-entitled application for Letters Patent of the United States was filed on **November 19, 2012** under Serial No. **13/680,517**;

WHEREAS, Guardian Industries Corp. (hereinafter ASSIGNEE), a corporation of the State of Michigan, having an office and place of business at 2300 Harmon Road, Auburn Hills, Michigan, 48326-1714, is desirous of acquiring an interest therein;

NOW, THEREFORE, for valuable consideration the receipt and sufficiency of which are hereby acknowledged, the below listed of said ASSIGNORS by these presents, having sold, assigned and transferred, hereby sells, assigns, and transfers 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 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 ASSIGNOR(S) 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. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;

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, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

AGREED and executed as noted below:

01/09/2013
Date


Muhammad IMRAN

 Witnessed by: MAXIMO FRATI

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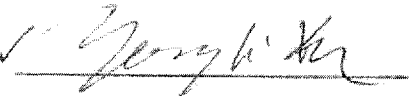
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AGREED and executed as noted below:

✓ 1/23/13 ✓ 
Date Brent BOYCE

✓  Witnessed by:

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AGREED and executed as noted below:

✓ 1/14/13 Date

✓  Jean-Marc LEMMER

✓  Witnessed by:

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AGREED and executed as noted below:

✓ Jan 17 2013
Date

✓ Marcus Frank
Marcus FRANK

Alexander Lorenz Witnessed by: Alexander Lorenz

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AGREED and executed as noted below:

1-18-2013 Yongli XU
Date Yongli XU

Brent R. Boyce Witnessed by: Brent R. Boyce