

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>Timothy A. DENNIS</td> <td>07/13/2012</td> </tr> <tr> <td>Andrew W. PANTKE</td> <td>07/26/2012</td> </tr> </tbody> </table>		Name	Execution Date	Timothy A. DENNIS	07/13/2012	Andrew W. PANTKE	07/26/2012
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Timothy A. DENNIS	07/13/2012						
Andrew W. PANTKE	07/26/2012						
RECEIVING PARTY DATA							
Name:	Guardian Industries Corp.						
Street Address:	2300 Harmon Road						
City:	Auburn Hills						
State/Country:	MICHIGAN						
Postal Code:	48326-1714						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13474819</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13474819		
Property Type	Number						
Application Number:	13474819						
CORRESPONDENCE DATA							
Fax Number:	7038164100						
Phone:	703-816-4000						
Email:	caj@nixonvan.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Nixon & Vanderhye P.C.						
Address Line 1:	901 N. Glebe Road						
Address Line 4:	Arlington, VIRGINIA 22203						
ATTORNEY DOCKET NUMBER:	JAR-3691-2653						
NAME OF SUBMITTER:	Joseph A. Rhoa						
Total Attachments: 4 source=3691-2653Assignment#page1.tif source=3691-2653Assignment#page2.tif source=3691-2653Assignment#page3.tif source=3691-2653Assignment#page4.tif							

OP \$40.00 13474819

3691-2653

ASSIGNMENT FOR PATENT APPLICATION
(All Rights)

WHEREAS, Timothy A. DENNIS of 4226 Bloomdale Road, Bloomdale, Ohio 44817 and Andrew W. PANTKE of 48651 South Interstate 94 Service Drive, Apt. 101, Belleville, Michigan 48111, (hereinafter ASSIGNORS), have made an invention entitled **METHOD AND APPARATUS FOR MAKING VACUUM INSULATED GLASS (VIG) WINDOW UNIT INCLUDING PUMP-OUT TUBE SEALING TECHNIQUE** for which a so-entitled application for Letters Patent of the United States was filed on **May 18, 2012** under Serial No. **13/474,819**;

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

2017078

PATENT
REEL: 028681 FRAME: 0441

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:

✓ July 13, 2012
Date

✓ Timothy Alan Dennis
Timothy A. DENNIS

[Signature] Witnessed by:

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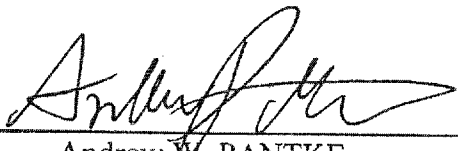
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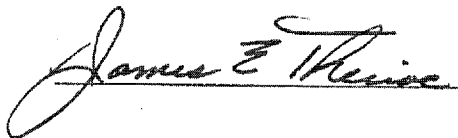
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✓ 7-26-12
Date

✓ 
Andrew W. PANTKE

 Witnessed by: