

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>03/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Timothy A. DENNIS	03/14/2012						
Name	Execution Date										
Timothy A. DENNIS	03/14/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Guardian Industries Corp.</td> </tr> <tr> <td>Street Address:</td> <td>2300 Hamon 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 Hamon Road	City:	Auburn Hills	State/Country:	MICHIGAN	Postal Code:	48326-1714
Name:	Guardian Industries Corp.										
Street Address:	2300 Hamon 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>13354963</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13354963						
Property Type	Number										
Application Number:	13354963										
CORRESPONDENCE DATA											
Fax Number:	(703)816-4100										
Phone:	7038164000										
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-3691-2563										
NAME OF SUBMITTER:	Joseph A. Rhoa										
Total Attachments: 2 source=3691-2563Assignment#page1.tif source=3691-2563Assignment#page2.tif											

OP \$40.00 13354963

3691-2563

ASSIGNMENT FOR PATENT APPLICATION
(All Rights)

WHEREAS Timothy A. DENNIS (hereinafter ASSIGNOR) of 4226 Bloomdale Road, Bloomdale, Ohio 44817, has made an invention entitled **COEFFICIENT OF THERMAL EXPANSION FILLER FOR VANADIUM-BASED FRIT MATERIALS AND/OR METHODS OF MAKING AND/OR USING THE SAME** for which a so-entitled application for Letters Patent of the United States was filed on **January 20, 2012** under **Serial No. 13/354,963**;

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 ASSIGNOR by these presents, having sold, assigned and transferred, hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S 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,

1960332

PATENT
REEL: 027907 FRAME: 0907

and any other international agreements to which the United States of America adheres, and the below listed ASSIGNOR hereby authorizes and requests 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;

ASSIGNOR hereby agrees 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

ASSIGNOR hereby agrees, 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:

03/14/2012
Date

Timothy A. Dennis
Timothy A. DENNIS

Elizabeth Coley Witnessed by:
3/14/2012