

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Timothy A. DENNIS	07/30/2012
RECEIVING PARTY DATA	
Name:	Guardian Industries Corp.
Street Address:	2300 Hamon Road
City:	Auburn Hills
State/Country:	MICHIGAN
Postal Code:	48326-1714
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13480987
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	JAR-3691-2651
NAME OF SUBMITTER:	Joseph A. Rhoa
Total Attachments: 2 source=3691-2651Assignment#page1.tif source=3691-2651Assignment#page2.tif	

OP \$40.00 13480987

3691-2651

**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 **May 25, 2012** under **Serial No. 13/480,987**;

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.

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**PATENT**  
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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:

✓ 7/30/2012  
\_\_\_\_\_  
Date

✓ Timothy A. Dennis  
\_\_\_\_\_  
Timothy A. DENNIS

✓ *[Signature]*  
\_\_\_\_\_  
Witnessed by: