

PATENT ASSIGNMENT COVER SHEET

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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>PIERRE PALLOTTA</td> <td>01/28/2014</td> </tr> <tr> <td>JOSE FERREIRA</td> <td>02/05/2014</td> </tr> <tr> <td>HERBERT LAGE</td> <td>01/17/2014</td> </tr> <tr> <td>MARCUS FRANK</td> <td>01/16/2014</td> </tr> </tbody> </table>		Name	Execution Date	PIERRE PALLOTTA	01/28/2014	JOSE FERREIRA	02/05/2014	HERBERT LAGE	01/17/2014	MARCUS FRANK	01/16/2014
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JOSE FERREIRA	02/05/2014										
HERBERT LAGE	01/17/2014										
MARCUS FRANK	01/16/2014										
RECEIVING PARTY DATA											
Name:	CENTRE LUXEMBOURGEOIS DE RECHERCHES POUR LE VERRE ET LA CERAMIQUE (C.R.V.C) SARL										
Street Address:	ZONE INDUSTRIELLE WOLSER										
City:	DUDELANGE										
State/Country:	LUXEMBOURG										
Postal Code:	L-3452										
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>14084895</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14084895						
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Application Number:	14084895										
CORRESPONDENCE DATA											
Fax Number:	(703)816-4100										
Phone:	703-816-4000										
Email:	caj@nixonvan.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	NIXON & VANDERHYE P.C.										
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ATTORNEY DOCKET NUMBER:	JAR-3691-3063										
NAME OF SUBMITTER:	JOSEPH A. RHOA										
Signature:	/Joseph A. Rhoa/										

PATENT

Date:

02/07/2014

Total Attachments: 8

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ASSIGNMENT FOR PATENT APPLICATION
(All Rights)

WHEREAS, Pierre PALLOTTA of 30 rue des Châtaigniers, Villerupt, France F-54190; Jose FERREIRA of 52 Cite Kirchberg, Rumelange, Grand-Duche de Luxembourg, L-3733; Herbert LAGE of 54 rue Laurent Menager, Luxembourg, Luxembourg, L-2143 and Marcus FRANK of Lambertusgasse 14, Geinhausen, Germany D-63571, (hereinafter ASSIGNORS) have made an invention entitled **HEAT TREATABLE COATED ARTICLE WITH LOW-E COATING HAVING ZINC STANNATE BASED LAYER BETWEEN IR REFLECTING LAYERS AND CORRESPONDING METHOD** for which a so-entitled application for Letters Patent of the United States was filed on **November 20, 2013**; under Serial No. **14/084,895**;

WHEREAS, Centre Luxembourgeois de Recherches pour le Verre et la Ceramique (C.R.V.C.) SÁRL, (hereinafter ASSIGNEE), having an office and place of business at Zone Industrielle Wolser, L-3452 Dudelange, Grand Duché de Luxembourg, is desirous of acquiring an interest therein;

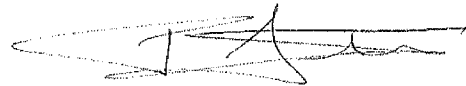
NOW, THEREFORE, for valuable consideration the receipt and sufficiency of which are hereby acknowledged, the below listed of said ASSIGNORS by these presents, having sold, assigned and transferred, hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, 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

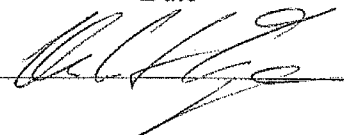
subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the below listed ASSIGNORS 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;

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:

✓ 28.01.2014 ✓ 
Date Pierre PALLOTTA

✓  Witness by: HERBERT LAGE

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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 ASSIGNORS 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;

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AGREED and executed as noted below:

✓ 05/02/2014
_____ Date

✓ _____
Jose FERREIRA

✓ _____
Witness by:

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(All Rights)

WHEREAS, Pierre PALLOTTA of 30 rue des Châtaigniers, Villerupt, France F-54190; Jose FERREIRA of 52 Cite Kirchberg, Rumelange, Grand-Duche de Luxembourg, L-3733; Herbert LAGE of 54 rue Laurent Menager, Luxembourg, Luxembourg, L-2143 and Marcus FRANK of Lambertusgasse 14, Geinhausen, Germany D-63571, (hereinafter ASSIGNORS) have made an invention entitled **HEAT TREATABLE COATED ARTICLE WITH LOW-E COATING HAVING ZINC STANNATE BASED LAYER BETWEEN IR REFLECTING LAYERS AND CORRESPONDING METHOD** for which a so-entitled application for Letters Patent of the United States was filed on **November 20, 2013**; under Serial No. **14/084,895**;

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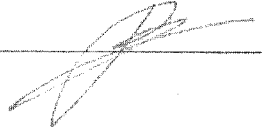
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AGREED and executed as noted below:

✓ 12/1/2014 ✓ 
Date Herbert LAGE

✓  Witness by: JP PEZZO

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AGREED and executed as noted below:

1 Jan 16 2014 Date
1 Marcus Frank Marcus FRANK
1 Jean Marie Lemieux Witness by: