

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>Isabelle Cabodi</td> <td>08/28/2012</td> </tr> <tr> <td>Michel Gaubil</td> <td>08/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Isabelle Cabodi	08/28/2012	Michel Gaubil	08/28/2012
Name	Execution Date						
Isabelle Cabodi	08/28/2012						
Michel Gaubil	08/28/2012						
RECEIVING PARTY DATA							
Name:	SAINT-GOBAIN CENTRE DE RECHERCHES ET D'ETUDES EUROPEEN						
Street Address:	18 avenue d'Alsace						
Internal Address:	Les Miroirs						
City:	Courbevoie						
State/Country:	FRANCE						
Postal Code:	F-92400						
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>13575796</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13575796		
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Application Number:	13575796						
CORRESPONDENCE DATA							
Fax Number:	2163733450						
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NAME OF SUBMITTER:	Ronald M. IKachmarik						
Total Attachments: 3 source=N-P-49881-PASS#page1.tif source=N-P-49881-PASS#page2.tif source=N-P-49881-PASS#page3.tif							

OP \$40.00 13575796

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

"REFRACTORY PRODUCT HAVING HIGH ZIRCONIA CONTENT"

and are the subject of United States Patent application No. 13/575,796 filed July 27, 2012, which application is further identified as Tarolli, Sundheim & Covell, LLP Docket No. N&P-49881.

WHEREAS, SAINT-GOBAIN CENTRE DE RECHERCHES ET D'ETUDES EUROPEEN, a corporation of France, having a place of business at 18 avenue d'Alsace, Les Miroirs, Courbevoie, France F-92400, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventors' certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

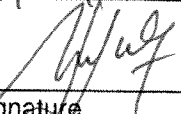
The undersigned hereby grant the firm of Tarolli, Sundheim & Covell, LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

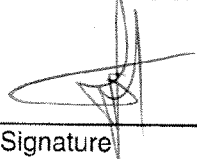
(1) Inventor Name (sole): Isabelle Cabodi

Signature: 

Today's Date: 28/08/2012


Witnessed by: : 
Signature

FERRIC Navanne
Printed Name of Witness

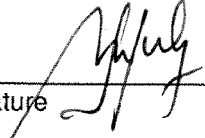
Witness: 
Signature

Consuelo Thiny
Printed Name of Witness

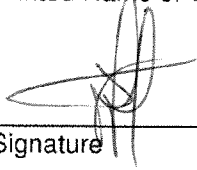
(1) Inventor Name (sole): Michel Gaubil

Signature: 

Today's Date: 28/08/2012

Witnessed by: : 
Signature

Fernand Narianne
Printed Name of Witness

Witness: 
Signature

Corinne Thuy
Printed Name of Witness