

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
<b>CONVEYING PARTY DATA</b>																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Soichi KUMON</td> <td>10/12/2012</td> </tr> <tr> <td>Takashi SAIO</td> <td>10/12/2012</td> </tr> <tr> <td>Shinobu ARATA</td> <td>10/12/2012</td> </tr> <tr> <td>Masanori SAITO</td> <td>10/12/2012</td> </tr> <tr> <td>Atsushi RYOKAWA</td> <td>10/17/2012</td> </tr> <tr> <td>Shuhei YAMADA</td> <td>10/17/2012</td> </tr> <tr> <td>Hidehisa NANAI</td> <td>10/19/2012</td> </tr> <tr> <td>Yoshinori AKAMATSU</td> <td>10/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Soichi KUMON	10/12/2012	Takashi SAIO	10/12/2012	Shinobu ARATA	10/12/2012	Masanori SAITO	10/12/2012	Atsushi RYOKAWA	10/17/2012	Shuhei YAMADA	10/17/2012	Hidehisa NANAI	10/19/2012	Yoshinori AKAMATSU	10/22/2012
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<table border="1"> <tr> <td>Name:</td> <td>Central Glass Company, Limited</td> </tr> <tr> <td>Street Address:</td> <td>5253, Oaza Okiube</td> </tr> <tr> <td>City:</td> <td>Ube-shi, Yamaguchi</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>755-0001</td> </tr> </table>		Name:	Central Glass Company, Limited	Street Address:	5253, Oaza Okiube	City:	Ube-shi, Yamaguchi	State/Country:	JAPAN	Postal Code:	755-0001								
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<b>CORRESPONDENCE DATA</b>																			
Fax Number:	2026288844																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone:	2026242500																		
Email:	kdavis@crowell.com																		
Correspondent Name:	Crowell & Moring LLP																		
Address Line 1:	P.O. Box 14300																		
Address Line 2:	Intellectual Property Department																		
Address Line 4:	Washington, DISTRICT OF COLUMBIA 200444300																		

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ATTORNEY DOCKET NUMBER:	038788.65080US
NAME OF SUBMITTER:	Michael H. Jacobs
Total Attachments: 2 source=65080usassign#page1.tif source=65080usassign#page2.tif	

**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee **CENTRAL GLASS COMPANY, LIMITED**  
**5253, Oaza Okiube, Ube-shi,**  
**Yamaguchi 755-0001 Japan**

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of invention **CHEMICAL FOR FORMING PROTECTIVE FILM**  
as set forth in his/her United States Patent Application

check one  executed concurrently herewith  
 executed on \_\_\_\_\_  
 Serial No. PCT/JP2011/060856 Filed May 11, 2011

in and to said United States Patent Application including any and all divisions or continuations and Convention applications based in whole or in part on said invention or upon said application, including the right to make applications for Letters Patents throughout the world in respect to the invention and to claim priority under the International Convention for the Protection of Industrial Property, and in and to any and all Letters Patent of any country which may issue on any such application or for said invention, including any and all reissues, reexaminations, or extensions, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not be made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he/she will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him/her relating to said invention or patent application and that he/she will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues, reexaminations, or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of **CROWELL & MORING LLP** the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

names and signatures of inventors

*Soichi Kumon* date 10/12/2012      *Takashi Saio* date 10/12/2012  
Name: Soichi Kumon                                      Name: Takashi Saio

*Shinobu Arata* date 10/12/2012      *Masanori Saito* date 10/12/2012  
Name: Shinobu Arata                                      Name: Masanori Saito

Atsushi Ryokawa date 10/17/2012  
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Name: Yoshinori Akamatsu