

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RYOZO TAKIHANA	02/22/2013
SATORU NARIZUKA	03/09/2013
RECEIVING PARTY DATA	
Name:	CENTRAL GLASS COMPANY, LIMITED
Street Address:	5253, OAZA OKIUBE
City:	UBE-SHI, YAMAGUCHI
State/Country:	JAPAN
Postal Code:	755-0001
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13878597
CORRESPONDENCE DATA	
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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ATTORNEY DOCKET NUMBER:	038788.65481US
NAME OF SUBMITTER:	SHANNON LENTZ
SIGNATURE:	/Shannon M. Lentz/
DATE SIGNED:	12/02/2014
Total Attachments: 2	
source=65481US_Assignment#page1.tif	
source=65481US_Assignment#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: **POLYMERIZABLE FLUORINE-CONTAINING SULFONATE, FLUORINE-CONTAINING SULFONATE RESIN, RESIST COMPOSITION AND PATTERN-FORMING METHOD USING SAME**

as set forth in his/her United States Patent Application

check one
 executed concurrently herewith
 executed on _____
 Serial No. PCT/JP2011/072931 Filed October 5, 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: *Ryozo Takihana* date 02/22/2013 Name: Ryozo Takihana
Satoru Narizuka date _____ Name: Satoru Narizuka

Name: _____

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5253, Oaza Okiube, Ube-shi,
Yamaguchi 755-0001 Japan

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title of invention
POLYMERIZABLE FLUORINE-CONTAINING SULFONATE, FLUORINE-CONTAINING SULFONATE RESIN, RESIST COMPOSITION AND PATTERN-FORMING METHOD USING SAME

as set forth in his/her United States Patent Application

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 executed concurrently herewith
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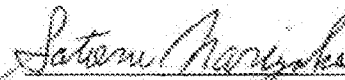
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names and signatures of inventors

_____ date _____
Name: Ryozo Takihana

 date 03/09/2013
Name: Satoru Narizuka

_____ date _____

_____ date _____

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