

## 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>Masayuki Motoya</td> <td>04/24/2012</td> </tr> <tr> <td>Junichiro Ichikawa</td> <td>04/24/2012</td> </tr> <tr> <td>Hiroshi Murata</td> <td>05/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Masayuki Motoya	04/24/2012	Junichiro Ichikawa	04/24/2012	Hiroshi Murata	05/01/2012
Name	Execution Date								
Masayuki Motoya	04/24/2012								
Junichiro Ichikawa	04/24/2012								
Hiroshi Murata	05/01/2012								
RECEIVING PARTY DATA									
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Postal Code:	102-8465								
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>13415032</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13415032				
Property Type	Number								
Application Number:	13415032								
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Total Attachments: 3 source=3211280#page1.tif source=3211280#page2.tif source=3211280#page3.tif									

CH \$40.00 13415032

U.S. Patent Application Ser. No. 13/415,032  
ATTORNEY DOCKET NO. 1722750  
Assignment of U.S. Rights

### 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:

**Assignee's Name:** Sumitomo Osaka Cement Co., Ltd.  
**Assignee's Address:** 6-28, Rokuban-cho, Chiyoda-ku  
Tokyo 102-8465 JAPAN

(hereinafter ASSIGNEES) the entire right, title and interest for the United States of America, its territories and possessions, in and to his/her invention relating to:

**Invention Title:**

### OPTICAL CONTROL ELEMENT

as set forth in his/her United States Patent Application (check one):

- executed concurrently herewith,  
 executed on \_\_\_\_\_,  
 Serial No. 13/415,032, filed on March 8, 2012, as amended,

in and to said Patent Application including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States, which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEES, their 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 been made.

Each of the undersigned hereby authorizes and requests the U.S. Commissioner of Patents and Trademarks to issue all such Letters Patent for said invention to ASSIGNEES, their successors or assigns, in accordance with the terms of this Assignment.

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

Each of the undersigned further warrants, covenants and agrees he/she will communicate to said ASSIGNEES, their successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he 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 ASSIGNEES, their successors, legal representatives or assigns to perfect title to or to obtain and enforce patent protection for said invention, and for said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEES, their successors, or assigns, or to assist said ASSIGNEES, their successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent for said invention.

Each of the undersigned hereby grants the firm of Chapman and Cutler LLP, or any partner thereof, the power to insert into this Assignment any further identification, which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office concerning recordation of this Assignment.

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Masayuki Motoya  
Signature of Inventor

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Date

\_\_\_\_\_  
Witness

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Junichiro Ichikawa  
Signature of Inventor

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Inventor's Country of Citizenship: Japan

Hiroshi Murata  
Signature of Inventor

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Date

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Date