

## 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>Norikazu Miyazaki</td><td>11/18/2005</td></tr><tr><td>Masataka Yokozawa</td><td>11/18/2005</td></tr></tbody></table>		Name	Execution Date	Norikazu Miyazaki	11/18/2005	Masataka Yokozawa	11/18/2005				
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Masataka Yokozawa	11/18/2005										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Sumitomo Osaka Cement Co., Ltd.</td></tr><tr><td>Street Address:</td><td>6-28, Rokubancho, Chiyoda-ku</td></tr><tr><td>City:</td><td>Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>102-8465</td></tr></table>		Name:	Sumitomo Osaka Cement Co., Ltd.	Street Address:	6-28, Rokubancho, Chiyoda-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	102-8465
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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>11233573</td></tr></tbody></table>		Property Type	Number	Application Number:	11233573						
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Application Number:	11233573										
CORRESPONDENCE DATA											
Fax Number: (312)803-5299 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: (312) 845-3430											
Email: kalwa@chapman.com											
Correspondent Name: Richard Kalwa											
Address Line 1: 111 west Monroe Street											
Address Line 2: Chapman and Cutler LLP											
Address Line 4: Chicago, ILLINOIS 60603											
ATTORNEY DOCKET NUMBER:	1716935										
NAME OF SUBMITTER:	Richard Kalwa										
Total Attachments: 2 source=1969530#page1.tif source=1969530#page2.tif											

CH 11233573 \$40.00

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REEL: 016831 FRAME: 0676

ATTORNEY DOCKET NO. 1716935

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, Rokubancho, Chiyoda-ku  
Tokyo, Japan 102-8465

(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 MODULATION ELEMENT MODULE

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

☐ executed concurrently herewith,

☐ executed on \_\_\_\_\_,

☒ Serial No. 11/233,573, filed on the date September 23, 2005, 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 for Patents 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.

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**REEL: 016831 FRAME: 0677**

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 I.L.P., 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.

Inventor's Name: Norikazu MIYAZAKI

Inventor's Address: c/o Sumitomo Osaka Cement Co., Ltd.  
6-28, Rokubancho, Chiyoda-ku  
Tokyo, Japan 102-8465

Inventor's Country of Citizenship: Japan

Norikazu Miyazaki  
Signature of Inventor

11 / 18 / 2005  
Date

Inventor's Name: Masataka YOKOZAWA

Inventor's Address: c/o Sumitomo Osaka Cement Co., Ltd.  
6-28, Rokubancho, Chiyoda-ku  
Tokyo, Japan 102-8465

Inventor's Country of Citizenship: Japan

Masataka Yokozawa  
Signature of Inventor

11 / 18 / 2005  
Date

Jaro Moribha  
Witness

11 / 22 / 2005  
Date

Amanabu Yamada  
Witness

11 / 22 / 2005  
Date