

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Futoshi Yamamoto	04/28/2006
Katsutoshi Kondou	04/20/2006
Junichiro Ichikawa	04/20/2006
Masaru Nakamura	05/04/2006
Sunao Kurimura	05/01/2006
Shunji Takekawa	05/01/2006
Kenji Kitamura	05/09/2006

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**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	11367261

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1717354

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Total Attachments: 5

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U.S. Patent Application Ser. No. 11/367,261  
ATTORNEY DOCKET NO. 1717354  
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 102-8465 JAPAN

**Assignee's Name:** National Institute for Materials Science  
**Assignee's Address:** 1-2-1 Sengen  
Tsukuba, Ibaraki 305-0047 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 ELEMENT AND METHOD OF MANUFACTURING THE SAME

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

- executed concurrently herewith,
- executed on \_\_\_\_\_,
- Serial No. 11/367,261, filed on March 3, 2006, 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.

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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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May 9, 2006  
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