

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Masahito MURE</td> <td>09/22/2010</td> </tr> <tr> <td>Norikazu MIYAZAKI</td> <td>09/22/2010</td> </tr> <tr> <td>Toshio KATAOKA</td> <td>09/22/2010</td> </tr> <tr> <td>Kaoru HIGUMA</td> <td>09/22/2010</td> </tr> </tbody> </table>		Name	Execution Date	Masahito MURE	09/22/2010	Norikazu MIYAZAKI	09/22/2010	Toshio KATAOKA	09/22/2010	Kaoru HIGUMA	09/22/2010
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Kaoru HIGUMA	09/22/2010										
RECEIVING PARTY DATA											
Name:	SUMITOMO OSAKA CEMENT CO., LTD.										
Street Address:	6-28, Rokuban-cho										
City:	Chiyoda-ku, Tokyo										
State/Country:	JAPAN										
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>12935252</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12935252						
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Application Number:	12935252										
CORRESPONDENCE DATA											
Fax Number:	(612)332-9081										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	612.332.5300										
Email:	cmanthie@merchantgould.com										
Correspondent Name:	Brian H. Batzli										
Address Line 1:	P.O. BOX 2903										
Address Line 2:	Merchant & Gould P.C.										
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402-0903										
ATTORNEY DOCKET NUMBER:	13869.64FPWO										
NAME OF SUBMITTER:	Brian H. Batzli										
Total Attachments: 2											

OP \$40.00 12935252

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**PATENT
 REEL: 025154 FRAME: 0706**

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05P-34340
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INSTRUCTIONS

US ASSIGNMENT TO CORPORATION

WHEREAS,

Inventor(s) Name,
Address, Citizenship

1. Masahito MURE residing at Toda-shi, Japan and a citizen of Japan;
2. Norikazu MIYAZAKI residing at Narashino-shi, Japan and a citizen of Japan;
3. Toshio KATAOKA residing at Tokyo, Japan and a citizen of Japan;
4. Kaoru HIGUMA residing at Yachiyo-shi, Japan and a citizen of Japan;

Check the appropriate box and fill in the requested information:

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States entitled

- select the first check box if the application is a national stage of a PCT application and provide the international application number and filing date before sending the assignment for execution;
- select the second check box if the application will be filed without the executed assignment - once the assignment is executed and the serial number and filing date of the U.S. application are known, provide this information before recordation;
- select the third check box if the application was previously filed and provide the serial number and filing date before sending the assignment for execution; or
- select the fourth check box if the application will be filed with the application.

OPTICAL RECEIVER

and which:

- is the national stage application of International Application No. PCT/JP2009/055962 filed on March 25, 2009;
- will be filed without this executed PATENT ASSIGNMENT. THE UNDERSIGNED hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Merchant & Gould PC, who are associated with customer number 23552, to insert here in parenthesis (U.S. Serial No. _____, filed _____) this application's U.S. Serial Number and filing date, when known;
- was filed on _____ and was given U.S. Serial No. _____; or
- is filed concurrently herewith;

Name of Corporation

AND WHEREAS SUMITOMO OSAKA CEMENT CO., LTD. (herein called "ASSIGNEE"), a corporation organized under the laws of Japan, and having an office and place of business at 6-28, Rokuban-cho, Chiyoda-ku, Tokyo 102-8465 Japan

State or Country of
Incorporation and Address

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for the United States in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or

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extensions of such patents, and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Each inventor must sign & date

Note: No legalization or other witness required

<u>Masahito Mure</u> Signature: <u>Masahito MURE</u>	<u>September 22, 2010</u> Date
<u>Norikazu Miyazaki</u> Signature: <u>Norikazu MIYAZAKI</u>	<u>September 22, 2010</u> Date
<u>Toshio Kataoka</u> Signature: <u>Toshio KATAOKA</u>	<u>September 22 2010</u> Date
<u>Kaoru Higuma</u> Signature: <u>Kaoru HIGUMA</u>	<u>September 22, 2010</u> Date