502652553 01/27/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2699162

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PART	Y DATA	,,			
		Execution Date			
TAKAO KITAGAWA			12/10/2013		
TATESUYA NAKABEPPU			12/10/2013		
RECEIVING PARTY	DATA				
Name:	SUMITOMO C	SUMITOMO OSAKA CEMENT CO., LTD.			
Street Address:		6-28, ROKUBAN-CHO			
City:	CHIYODA-KU	CHIYODA-KU, TOKYO			
State/Country:	JAPAN				
Application Numbe	r.	14164831			
PROPERTY NUMBI			Number		
Application Number		14104031			
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Email: Correspondence win Correspondent Nam	ll be sent via US Ma ne: DIAN	<i>il when the email attempt is uns</i> NNA G. EL HIOUM	successful.		
Email: Correspondence with	<i>II be sent via US Ma</i> ne: DIAI P.O.	il when the email attempt is uns	successful.		
Email: Correspondence win Correspondent Nam Address Line 1:	<i>II be sent via US Ma</i> ne: DIAI P.O. MEF	<i>il when the email attempt is uns</i> NNA G. EL HIOUM BOX 2903			
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Email: Correspondence win Correspondent Nam Address Line 1: Address Line 2: Address Line 4:	If be sent via US Ma ne: DIAI P.O. MEF MIN	il when the email attempt is uns NNA G. EL HIOUM BOX 2903 CCHANT & GOULD PC NEAPOLIS, MINNESOTA 55402	92-0903		
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PATENT REEL: 032052 FRAME: 0990

INSTRUCTIONS	U.S. ASSIGNMENT TO CORPORATION		
	WHEREAS,		
Inventor(s) Name, Address, Citizenship	Takao KITAGAWA residing at Tokyo, Japan and a citizen of Japan; Tetsuya NAKABEPPU residing at Tokyo, Japan and a citizen of Japan; residing at and a citizen of;		
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 	and which: is the national stage application of International Application No. filed on; 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 filed concurrently herewith;		
 select the fourth check box if the application will be filed with the application. 			
Name of Corporation	AND WHEREAS <u>SUMITOMO OSAKA CEMENT CO., LTD.</u> (herein called "ASSIGNEE"), a corporation organized under the laws of <u>Japan</u> , and having an office and place of business at <u>6-28</u> , <u>Rokuban-cho</u> , <u>Chiyoda-ku</u> , <u>Tokyo</u> , <u>Japan</u>		
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 all the right(s) to claim priority thereto, 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 extensions of such patents, and THE UNDERSIGNED hereby authorize and request the		

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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

	Signature:	Date:
Name: Takao KITAGAWA	Takan Mitagawa	December 10, 2013
	Signature:	Date:
Name: Tetsuya NAKABEPPU	Tetanya Nakabeppu	December 10, 2013
	Signature:	Date:
Name:		