

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3802144

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TOSHIO KATAOKA	03/25/2016
NORIKAZU MIYAZAKI	03/28/2016
YOUICHI HOSOKAWA	03/25/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SUMITOMO OSAKA CEMENT CO., LTD.
<b>Street Address:</b>	6-28, ROKUBANCHO, CHIYODA-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	102-8465
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15082003
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(810)385-9688
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	8103856050
<b>Email:</b>	amy.tesluk@profilepatents.com
<b>Correspondent Name:</b>	THOMAS F. QUINN, JR.
<b>Address Line 1:</b>	3061 COMMERCE DRIVE
<b>Address Line 2:</b>	SUITE 1
<b>Address Line 4:</b>	FORT GRATIOT, MICHIGAN 48059
<b>ATTORNEY DOCKET NUMBER:</b>	G1602US
<b>NAME OF SUBMITTER:</b>	THOMAS F. QUINN, JR.
<b>SIGNATURE:</b>	/Thomas F. Quinn, Jr. Reg. No. 35988/
<b>DATE SIGNED:</b>	03/28/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 6</b>	
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**DECLARATION AND ASSIGNMENT**

As a below named inventor, I hereby declare that: I believe I am the original inventor or an original joint inventor of a claimed invention in the application, which is entitled:

**OPTICAL DEVICE**

the specification of which is attached hereto along with any applicable amendments. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. The above-identified application was made or authorized to be made by me. I acknowledge the duty to disclose information which is material to patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's certificate(s) listed below, or 365(a) of any PCT international application, listed below and have also identified below any foreign application for patent, inventor's certificate(s) or any PCT international application having a filing date before that of the application on which priority is claimed: PRIOR FOREIGN APPLICATION(S):

<b>Application Number</b>	<b>Application Date</b>	<b>Application Country</b>
<b>2015-072725</b>	<b>3/31/2015</b>	<b>JP</b>

WHEREAS, I, the undersigned, residing at the indicated address given next to my name below, have made an invention entitled - OPTICAL DEVICE -, which is described in the above-identified PRIOR FOREIGN APPLICATION(S) listed by priority Patent Application number(s), date(s) and priority country.

WHEREAS, Sumitomo Osaka Cement Co., Ltd 6-28, Rokubancho, Chiyoda-ku Tokyo, 102-8465 JAPAN desires to acquire the entire right, title and interest in and to said invention and in, to and under any Patent Applications which may be filed and any Letters Patent granted covering the invention in the United States and in any and all other countries.

NOW, THEREFORE, in view of my employment with Sumitomo Osaka Cement Co., Ltd 6-28, Rokubancho, Chiyoda-ku Tokyo, 102-8465 JAPAN and other valuable consideration which is hereby acknowledged, I, the undersigned, hereby sell, assign, and transfer to Sumitomo Osaka Cement Co., Ltd 6-28, Rokubancho, Chiyoda-ku Tokyo, 102-8465 JAPAN its successors and assigns, the entire right, title and interest to the invention in the United States and in all other countries and the entire right, title, and interest in and to any and all patent applications covering the above invention, including the above identified application(s) and any and all corresponding and related applications in the United States and all countries, and the entire right, title, and interest in and to any and all Letters Patent which may be granted covering the invention in the United States and in any and all other countries and in and to any and all divisions, reissues, continuations, and extensions thereof, to the extent that I am an inventor of such invention and I covenant that I have the full right to do so.

I hereby authorize and request the Patent Office Officials in the United States and in any and all other countries to issue any and all of said Letters Patent, when granted, to Sumitomo Osaka Cement Co., Ltd 6-28, Rokubancho, Chiyoda-ku Tokyo, 102-8465 JAPAN, as the assignee of the entire right, title and interest in and to the same, for the sole use of Sumitomo Osaka Cement Co., Ltd 6-28, Rokubancho, Chiyoda-ku Tokyo, 102-8465 JAPAN, its successors and assigns. I further agree that I will communicate to Sumitomo Osaka Cement Co., Ltd 6-28, Rokubancho, Chiyoda-ku Tokyo, 102-8465 JAPAN or its representatives or agents all facts and information known or available to me regarding said invention whenever requested; I will testify in any interference or other legal proceeding; I will execute and deliver, on request, all lawful papers including original, divisional, continuing and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, depositions, etc. and generally do everything possible to aid said Sumitomo Osaka Cement Co., Ltd 6-28, Rokubancho, Chiyoda-ku Tokyo, 102-8465 JAPAN, its successors and assigns, at its expense, in obtaining and enforcing proper protection for said invention in the United States and all other countries.

This Assignment shall be effective the earlier of: the date of my signature as indicated next to my name below, or the date of the last priority filing listed above.

IN TESTIMONY WHEREOF, I hereby execute this assignment:

**Inventor Name:** Toshio Kataoka

**Signature:** Toshio Kataoka

**Date:** 25th Mar. 2016

**Mailing Address:** c/o SUMITOMO OSAKA CEMENT CO.,LTD., 6-28,  
Rokubancho,Chiyoda-ku,Tokyo 102-8465 Japan

**Citizen of:** Japan

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IN TESTIMONY WHEREOF, I hereby execute this assignment:

**Inventor Name:** Norikazu Miyazaki

**Signature:**

Norikazu Miyazaki

**Date:**

28, March 2016

**Mailing Address:**

c/o SUMITOMO OSAKA CEMENT CO.,LTD., 6-28,  
Rokubancho,Chiyoda-ku,Tokyo 102-8465 Japan

**Citizen of:** Japan

**DECLARATION AND ASSIGNMENT**

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I hereby authorize and request the Patent Office Officials in the United States and in any and all other countries to issue any and all of said Letters Patent, when granted, to Sumitomo Osaka Cement Co., Ltd

6-28, Rokubancho, Chiyoda-ku Tokyo, 102-8465 JAPAN, as the assignee of the entire right, title and interest in and to the same, for the sole use of Sumitomo Osaka Cement Co., Ltd 6-28, Rokubancho, Chiyoda-ku Tokyo, 102-8465 JAPAN, its successors and assigns. I further agree that I will communicate to Sumitomo Osaka Cement Co., Ltd 6-28, Rokubancho, Chiyoda-ku Tokyo, 102-8465 JAPAN or its representatives or agents all facts and information known or available to me regarding said invention whenever requested; I will testify in any interference or other legal proceeding; I will execute and deliver, on request, all lawful papers including original, divisional, continuing and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, depositions, etc. and generally do everything possible to aid said Sumitomo Osaka Cement Co., Ltd 6-28, Rokubancho, Chiyoda-ku Tokyo, 102-8465 JAPAN, its successors and assigns, at its expense, in obtaining and enforcing proper protection for said invention in the United States and all other countries.

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IN TESTIMONY WHEREOF, I hereby execute this assignment:

**Inventor Name:** Youichi Hosokawa

**Signature:** *Youichi Hosokawa*

**Date:** 25TH Mar. 2016

**Mailing Address:** c/o SUMITOMO OSAKA CEMENT CO.,LTD., 6-28,  
Rokubancho,Chiyoda-ku,Tokyo 102-8465 Japan

**Citizen of:** Japan