

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Tsukasa Takahashi</td> <td>02/28/2012</td> </tr> <tr> <td>Motoyuki Tanaka</td> <td>02/28/2012</td> </tr> <tr> <td>Shunichi Hatamoto</td> <td>02/28/2012</td> </tr> <tr> <td>Hiromu Watanabe</td> <td>02/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Tsukasa Takahashi	02/28/2012	Motoyuki Tanaka	02/28/2012	Shunichi Hatamoto	02/28/2012	Hiromu Watanabe	02/28/2012
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Mitsui Mining & Smelting Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>11-1, Osaki 1-chome, Shinagawa-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>141-8584</td> </tr> </table>		Name:	Mitsui Mining & Smelting Co., Ltd.	Street Address:	11-1, Osaki 1-chome, Shinagawa-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	141-8584
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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>13496254</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13496254						
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Application Number:	13496254										
CORRESPONDENCE DATA											
<p>Fax Number: (412)945-5933 Phone: 412-471-8815 Email: assignments@webblaw.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: THE WEBB LAW FIRM, P.C. Address Line 1: ONE GATEWAY CENTER Address Line 2: 420 FT. DUQUESNE BLVD, SUITE 1200 Address Line 4: PITTSBURGH, PENNSYLVANIA 15222</p>											
ATTORNEY DOCKET NUMBER:	5734-120731										
NAME OF SUBMITTER:	Kent E. Baldauf										

OP \$40.00 13496254

Total Attachments: 4

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PATENT

REEL: 027867 FRAME: 0788

RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Tsukasa TAKAHASHI
Motoyuki TANAKA
Shunichi HATAMOTO
Hiromu WATANABE

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: MITSUMI MINING & SMELTING CO., LTD.

Internal Address: _____

Street Address: 11-1, Osaki 1-chome

Shinagawa-ku, Tokyo

City: _____

State: _____

Country: JAPAN Zip: 141-8584

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) February 28, 2012

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

13/496,254

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Kent E. Baldauf

Internal Address: The Webb Law Firm

Street Address: One Gateway Center
420 Ft. Duquesne Blvd., Ste 1200

City: Pittsburgh

State: PA Zip: 15222

Phone Number: 412-471-8815

Fax Number: 412-945-5933

Email Address: assignments@webblaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 4775
Expiration Date 05/2012

b. Deposit Account Number 23-0650

Authorized User Name _____

9. Signature:

Kent E. Baldauf
Signature

March 15, 2012

Date

Kent E. Baldauf, Registration No. 25,826

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

INTERNATIONAL
Application No. _____
Attorney Docket No. _____

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

PHOSPHOR FOR SCINTILLATOR
(Invention Title)

☐ for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

☐ for which an application for a United States Patent was filed on _____ (mm/dd/yyyy) and bears Application Number _____ (hereinafter "said application").

AND/OR

☒ for which an international patent application was filed under the Patent Cooperation Treaty on 08/09/2010 (mm/dd/yyyy), bearing Application No. PCT/JP2010/063464 (hereinafter "said application").

AND, WHEREAS, [MITSUI MINING & SMELTING CO.,LTD], a corporation of [JAPAN], having a place of business at [11-1, Osaki 1-chome, Shinagawa-ku, Tokyo 141-8584], hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request any attorney associated with The Webb Law Firm, Customer No. 28289, to insert here in parentheses (Application No. 13/496,254 filed 08/09/2010) the filing date and application number of said application when known.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue,

INTERNATIONAL

Application No. _____

Attorney Docket No. _____

continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:
Tsukasa TAKAHASHI

RESIDENCE:
Saitama, JAPAN

EXECUTED this 28th day of February, 2012

Tsukasa Takahashi
SIGNATURE

WITNESS:

Kenjiro Azutani

2. FULL NAME OF ASSIGNOR:
Motoyuki TANAKA

RESIDENCE:
Saitama, JAPAN

EXECUTED this 28th day of February, 2012

Motoyuki Tanaka
SIGNATURE

WITNESS:

Kenjiro Azutani

☒ Checked Box indicates 1 additional page(s) for inventor signatures.

INTERNATIONAL

Application No. _____

Attorney Docket No. _____

3. FULL NAME OF ASSIGNOR:
Shunichi HATAMOTO

RESIDENCE:
Fukuoka, JAPAN

EXECUTED this 28th day of February, 2012

Shun-ichi Hatamoto
SIGNATURE

WITNESS:

Kenjiro Igutani

4. FULL NAME OF ASSIGNOR:
Hiromu WATANABE

RESIDENCE:
Saitama, JAPAN

EXECUTED this 28th day of February, 2012

Hiromu Watanabe

SIGNATURE

WITNESS:

Kenjiro Igutani