

PATENT ASSIGNMENT

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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>HARUKA SHIMIZU</td> <td>06/07/2013</td> </tr> <tr> <td>MASAAKI INAMURA</td> <td>06/07/2013</td> </tr> <tr> <td>ASUKA SASAKURA</td> <td>06/13/2013</td> </tr> <tr> <td>AKINORI KUMAGAI</td> <td>06/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	HARUKA SHIMIZU	06/07/2013	MASAAKI INAMURA	06/07/2013	ASUKA SASAKURA	06/13/2013	AKINORI KUMAGAI	06/10/2013
Name	Execution Date										
HARUKA SHIMIZU	06/07/2013										
MASAAKI INAMURA	06/07/2013										
ASUKA SASAKURA	06/13/2013										
AKINORI KUMAGAI	06/10/2013										
RECEIVING PARTY DATA											
Name:	MITSUI MINING & SMELTING CO., LTD.										
Street Address:	1-11-1, OSAKI, SHINAGAWA-KU										
City:	TOKYO										
State/Country:	JAPAN										
Postal Code:	141-8584										
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>14009650</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14009650						
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Application Number:	14009650										
CORRESPONDENCE DATA											
Fax Number:	(412)945-5933										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Correspondent Name:	THE WEBB LAW FIRM, P.C.										
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ATTORNEY DOCKET NUMBER:	5734-132434										
NAME OF SUBMITTER:	KENT E. BALDAUF										
Signature:	/kent e baldauf/										

OP \$40.00 14009650

PATENT

Date:

10/03/2013

Total Attachments: 4

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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)

Haruka SHIMIZU
Masaaki INAMURA
Asuka SASAKURA
Akinori KUMAGAI

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

2. Name and address of receiving party(ies)

Name: Mitsui Mining & Smelting Co., Ltd.

Internal Address: _____

Street Address: 1-11-1, Osaki, 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) June 7, 2013; June 13, 2013; June 10, 2013

- 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)

14/009,650

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 1916
Expiration Date 05/2015

b. Deposit Account Number 23-0650

Authorized User Name _____

9. Signature:



Signature

October 3, 2013

Date

Kent E. Baldauf

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

LIGHT-EMITTING DEVICE

(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 02/22/2012 (mm/dd/yyyy), bearing Application No. PCT/JP2012/054226 (hereinafter "said application").

AND, WHEREAS, [Mitsui Mining & Smelting Co.,Ltd.], a corporation of [JAPAN], having a place of business at [1-11-1, Osaki, 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. 14/009,650 filed 02/22/2012) 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: Haruka SHIMIZU RESIDENCE: Ageo-shi, Saitama

EXECUTED this 7 day of June, 2013

清水春香
SIGNATURE

WITNESS:

泉谷 謙二郎

2. FULL NAME OF ASSIGNOR: Masaaki INAMURA RESIDENCE: Ageo-shi, Saitama

EXECUTED this 7 day of June, 2013

稲村昌晃
SIGNATURE

WITNESS:

泉谷 謙二郎

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

INTERNATIONAL

Application No. _____

Attorney Docket No. _____

3. FULL NAME OF ASSIGNOR:
Asuka SASAKURA

RESIDENCE:
Ageo-shi, Saitama

EXECUTED this 13 day of June, 2013

篠倉 明日香

SIGNATURE

WITNESS:

梶谷 謙二郎

4. FULL NAME OF ASSIGNOR:
Akinori KUMAGAI

RESIDENCE:
Ageo-shi, Saitama

EXECUTED this 10 day of June, 2013

熊谷 彰記

SIGNATURE

WITNESS:

梶谷 謙二郎