

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kazuyuki Satoh	11/01/2011
Yoshimasa Koido	11/01/2011
RECEIVING PARTY DATA	
Name:	JX Nippon Mining & Metals Corporation
Street Address:	6-3, Otemachi 2-chome
Internal Address:	Chiyoda-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	100-8164
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13319190
CORRESPONDENCE DATA	
Fax Number:	(215)540-5818
Phone:	215-540-9200
Email:	bhouwen@howsonandhowson.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	William Bak, Howson & Howson LLP
Address Line 1:	501 Office Center Drive
Address Line 2:	Suite 210
Address Line 4:	Fort Washington, PENNSYLVANIA 19034
ATTORNEY DOCKET NUMBER:	OGOSH199USA
NAME OF SUBMITTER:	Bea Houwen
Total Attachments: 2 source=13319190#page1.tif source=13319190#page2.tif	

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**PATENT**  
**REEL: 027188 FRAME: 0818**

ASSIGNMENT

WHEREAS, Kazuyuki Satoh and Yoshimasa Koido, hereinafter referred to as ASSIGNORS, have invented and are the owners of an invention entitled "METHOD OF STORING LANTHANUM OXIDE TARGET, AND VACUUM-SEALED LANTHANUM OXIDE TARGET", said invention being fully set forth and described in the application for Letters Patent of the United States which has been prepared in connection with said invention, and which has been signed by ASSIGNOR; and

WHEREAS, JX Nippon Mining & Metals Corporation, a Japanese corporation engaged in business at 6-3, Otemachi 2-chome, Chiyoda-ku, Tokyo, 100-8164 Japan, hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries which may be issued therefor;

NOW THEREFORE, THIS IS TO WITNESS, that in consideration of the sum of One Dollar (\$1.00) paid to ASSIGNORS by ASSIGNEE, the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS have sold, assigned and set over, and hereby do sell, assign and set over, unto ASSIGNEE, its successors and assigns, the entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention and in and to any and all application for Letters Patent and Letters Patent which may be issued therefor in the United States and in any and all foreign countries.

And ASSIGNORS hereby authorize and request the Commissioner of Patent and Trademarks to issue any and all Letters patent of the United States to ASSIGNEE, its successors and assigns, as the owner of all right, title and interest therein.

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNORS will execute any further papers and do such other acts and things as may be necessary and proper to procure Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

And ASSIGNORS hereby authorize and direct its attorneys to insert, in the space provided below, the serial number and filing date of the aforesaid application for Letters Patent of the United States when the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, this Assignment has been executed on the date accompanying our signatures.

Kazuyuki Satoh November 1, 2011  
Kazuyuki Satoh (Date)

Yoshimasa Koido November 1, 2011  
Yoshimasa Koido (Date)

Application for United States Letters patent Serial Number 13/319,190 filed on 11-7-, 2011.

Howson & Howson  
HOWSON & HOWSON LLP