PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASAKI NAKANO	07/13/2018
HIROTOSHI FUKUNAGA	07/13/2018
TAKESHI YANAI	07/13/2018
HIRONOBU SAWATARI	07/16/2018

RECEIVING PARTY DATA

Name:	JX NIPPON MINING & METALS CORPORATION	
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Postal Code:	1008164	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16080036

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NAME OF SUBMITTER:	WILLIAM BAK
SIGNATURE:	/William Bak/
DATE SIGNED:	08/27/2018

Total Attachments: 2

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PATENT 505063999 REEL: 046707 FRAME: 0149

ASSIGNMENT

WHEREAS, Masaki NAKANO, Hirotoshi FUKUNAGA, Takeshi YANAI, and Hironobu SAWATARI are hereinafter referred to as the ASSIGNORS, that have invented and are the owners of an invention entitled "RARE EARTH THIN FILM MAGNET AND METHOD FOR PRODUCING SAME" 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 have been signed by ASSIGNORS; and

WHEREAS, JX Nippon Mining & Metals Corporation, a Japanese Corporation engaged in business at 1-2, Otemachi 1-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 does 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 his 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.

PATENT REEL: 046707 FRAME: 0150

IN WITNESS WHEREOF, this Assignment has been executed on the date accompanying my signature.

中列 2 基

Masaki NAKANO

July 13, 2018

Takeshi YANAI July 13, 20, 2.

Takeshi YANAI (Date)

程度工作 Hironobu SAWATARI

July 16, 2018
(Date)

Application for United States Letters patent Serial Number 16/080036 filed August 27, 2018,

Howson & HOWSON LLP

2