

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KOICHIRO TANAKA	02/14/2017
RECEIVING PARTY DATA	
Name:	JX NIPPON MINING & METALS CORPORATION
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Postal Code:	100-8164
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15314808
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ATTORNEY DOCKET NUMBER:	1680/113 PCT/US
NAME OF SUBMITTER:	BELINDA PERKINS
SIGNATURE:	/Belinda Perkins/
DATE SIGNED:	03/30/2017
Total Attachments: 2	
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PATENT

Atty. Docket No.: 1680/113 PCT/US

ASSIGNMENT

WHEREAS, I, Koichiro Tanaka of Tokyo, Japan (hereinafter "Assignor"), have invented certain new and useful improvements in METAL FOIL FOR ELECTROMAGNETIC SHIELDING, ELECTROMAGNETIC SHIELDING MATERIAL AND SHIELDED CABLE (hereinafter "Invention") for which application for a U.S. Patent was made on November 29, 2016 as Serial No. 15/314,808, and claims priority to International Patent Application No. PCT/JP2014/064474 filed May 30, 2014 (hereinafter "Applications").

AND, WHEREAS, JX Nippon Mining & Metals Corporation, a corporation duly organized and existing under the laws of Tokyo, Japan, having its principal office and place of business at 1-2, Otemachi 1-chome, Chiyoda-ku 100-8164 Tokyo, Japan (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold and by these presents does hereby sell, assign, transfer and convey unto the Assignee, its successors and assigns, his entire right, title and interest in and to the Invention and Applications, and in and to any and all U.S. and foreign patent applications filed on the Invention, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Patents of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon (hereinafter, "Patents"), for the full end of the term for which said Patents may be granted, together with his right to claim the priority of the Applications in all countries in accordance with the Paris Convention, the Patent Cooperation Treaty, or other agreement or national law under which priority can be claimed, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made. It is expressly agreed by Assignor and Assignee that this Assignment fully conveys and transfers from Assignor

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to Assignee the right to sue for any and all patent infringement occurring prior to the date of this Assignment.

Assignor hereby requests that said Patents be issued in accordance with this Assignment.

Assignor further covenants and agrees that, at the time of the execution and delivery of these presents, Assignor possesses the unencumbered right and authority to make this Assignment.

Assignor further covenants and agrees, and likewise bind his heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to him relating to the Invention, to testify and/or assist as requested by the Assignee in any interference or legal proceedings involving the Applications, Patents, or Invention, including cooperating in any enforcement proceedings involving the Applications, Patents, or Invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the Invention in all countries and to vest in the Assignee complete title to the Invention and Patents, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 14 day of February 20 17

Koichiro Tanaka
Koichiro Tanaka

Witnessed by:

Hironori Inamura 14 February 2017
Name Date

Toshiyuki Ono 14 February 2017
Name Date
