

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SEIJI OKABE	07/24/2014
SHIGEHIRO TAKAJO	07/24/2014
TAKASHI KAWANO	07/24/2014
<b>RECEIVING PARTY DATA</b>	
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<b>Street Address:</b>	2-3, UCHISAIWAI-CHO 2-CHOME
<b>Internal Address:</b>	CHIYODA-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	100-0011
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14376916
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	SUG-14-1732 (308880-049)
<b>NAME OF SUBMITTER:</b>	LESLIE J. HOOD
<b>SIGNATURE:</b>	/LJH/
<b>DATE SIGNED:</b>	08/06/2014
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>	
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SUG-14-1732

COMBINED DECLARATION/ASSIGNMENT

WHEREAS, we

Seiji Okabe of Tokyo, Japan  
Shigehiro Takajo of Tokyo, Japan  
Takashi Kawano of Tokyo, Japan

(hereinafter referred to as "the undersigned"), have made an invention entitled GRAIN-ORIENTED ELECTRICAL STEEL SHEET, identified in International Application No. PCT/JP2013/000701, and US Application No. 14/376,916, (DLA Piper is authorized to insert the Serial No. when known),

the above-identified application was made or authorized to be made by the persons executing this Declaration;

we believe that we are the original joint inventors of a claimed invention in the application;

we hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 USC §1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, JFE Steel Corporation, with offices at 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100011 Japan (hereinafter referred to as "assignee"), is desirous of acquiring the entire right, title and interest in said invention, said US application and all letters patent issuing for said invention,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the assignee the entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said US application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the assignee, and to execute all instruments proper to carry out the intent of this instrument. If the undersigned includes more than one individual, these obligations shall apply to all of the undersigned both individually and collectively.

EASTV77097624.1

The rights and property herein conveyed by the undersigned are free and clear of any encumbrance.

EXECUTED on the dates set forth below.

July 24, 2014  
Date

Seiji Okabe  
Seiji Okabe

July 24, 2014  
Date

Shigehiro Takajo  
Shigehiro Takajo

July 24, 2014  
Date

Takashi Kawano  
Takashi Kawano