

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Takahiro Koshihara</td> <td>10/18/2010</td> </tr> <tr> <td>Hiroharu Kato</td> <td>10/20/2010</td> </tr> <tr> <td>Akio Nagamune</td> <td>10/15/2010</td> </tr> </tbody> </table>		Name	Execution Date	Takahiro Koshihara	10/18/2010	Hiroharu Kato	10/20/2010	Akio Nagamune	10/15/2010		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>JFE Steel Corporation</td> </tr> <tr> <td>Street Address:</td> <td>2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>100-0011</td> </tr> </table>		Name:	JFE Steel Corporation	Street Address:	2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	100-0011
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (215)656-2498</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 215-656-3381</p> <p>Email: Victorine.Meise@dlapiper.com,pto.phil@dlapiper.com</p> <p>Correspondent Name: DLA Piper LLP (US)</p> <p>Address Line 1: 1650 Market Street, Siuite 4900</p> <p>Address Line 2: IP Group</p> <p>Address Line 4: Philadelphia, PENNSYLVANIA 19103-7300</p>											
ATTORNEY DOCKET NUMBER:	JFE-10-1354 (308692-263)										
NAME OF SUBMITTER:	Victorine B. Meise										
<p>Total Attachments: 3</p> <p>source=Assignment#page 1.tif</p>											

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PATENT
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JFE-10-1354

ASSIGNMENT

WHEREAS, we, Takahiro Koshihara, Hiroharu Kato and Akio Nagamune, citizens of Japan, all residing at c/o Intellectual Property Department, JFE Steel Corporation, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan, (hereinafter referred to as "the undersigned"), having made an invention entitled APPARATUS FOR DETECTING PERIODIC DEFECT AND METHOD THEREFOR, identified in International Application No. PCT/JP2009/056914, and in US Application No. 12/935,307 _____, (DLA Piper is authorized to insert the Serial No. when known),

WHEREAS, JFE Steel Corporation, with offices located at 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan (hereinafter referred to as "the 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, do 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.

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

EXECUTED on the date(s) set forth below.

October 18, 2010

Date

Takahiro Koshihara
Takahiro Koshihara

Date

Hiroharu Kato

Date

Akio Nagamune

EAST\435236920.1

JFE-10-1354

ASSIGNMENT

WHEREAS, we, Takahiro Koshihara, Hiroharu Kato and Akio Nagamune, citizens of Japan, all residing at c/o Intellectual Property Department, JFE Steel Corporation, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan, (hereinafter referred to as "the undersigned"), having made an invention entitled APPARATUS FOR DETECTING PERIODIC DEFECT AND METHOD THEREFOR, identified in International Application No. PCT/JP2009/056914, and in US Application No. 12/935,307, (DLA Piper is authorized to insert the Serial No. when known),

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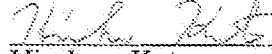
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EXECUTED on the date(s) set forth below.

Date
October 20, 2010

Date

Takahiro Koshihara


Hiroharu Kato

Date

Akio Nagamune

EAST\45523890.1

JFE-10-1354

ASSIGNMENT

WHEREAS, we, Takahiro Koshihara, Hiroharu Kato and Akio Nagamune, citizens of Japan, all residing at c/o Intellectual Property Department, JFE Steel Corporation, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan, (hereinafter referred to as "the undersigned"), having made an invention entitled APPARATUS FOR DETECTING PERIODIC DEFECT AND METHOD THEREFOR, identified in International Application No. PCT/JP2009/056914, and in US Application No. 12/935,307 (DLA Piper is authorized to insert the Serial No. when known),

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EXECUTED on the date(s) set forth below.

Date

Takahiro Koshihara

Date

Hiroharu Kato

October 15, 2010

Date

Akio Nagamune

Akio Nagamune

EAST\45523980.1

PATENT

RECORDED: 11/03/2010

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