

PATENT ASSIGNMENT

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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>11/12/2009</td> </tr> <tr> <td>Hiroharu Kato</td> <td>11/12/2009</td> </tr> <tr> <td>Akio Nagamune</td> <td>11/12/2009</td> </tr> </tbody> </table>		Name	Execution Date	Takahiro Koshihara	11/12/2009	Hiroharu Kato	11/12/2009	Akio Nagamune	11/12/2009				
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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: pto.phil@dlapiper.com</p> <p>Correspondent Name: IP GROUP OF DLA PIPER LLP (US)</p> <p>Address Line 1: ONE LIBERTY PLACE</p> <p>Address Line 2: 1650 MARKET ST, SUITE 4900</p> <p>Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103</p>													
ATTORNEY DOCKET NUMBER:	JFE-09-1306												
NAME OF SUBMITTER:	Leslie Hood												
Total Attachments: 1													

CH \$40.00 12667437

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PATENT
REEL: 023723 FRAME: 0423

ASSIGNMENT

WHEREAS, We, ① Takahiro KOSHIHARA, ② Hiroharu KATO, ③ Akio NAGAMUNE, citizens of Japan, residing at ①②③ Kawasaki, Japan respectively, (hereinafter referred to as "the undersigned"), having made an invention entitled

METHOD AND APPARATUS FOR DETECTING CONCAVO-CONVEX SHAPE SURFACE DEFECTS

for which on the date set forth below, unless otherwise indicated here, _____, the undersigned executed an application for United States Letters Patent, us 12/667,437

WHEREAS, JFE STEEL CORPORATION, a corporation of Japan, with offices at 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011, Japan, (hereinafter referred to as "assignee"), is desirous of acquiring the entire right, title and interest in said invention, said 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 patent 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 November 12, 2009, at Tokyo, Japan

Takahiro Koshihara

Takahiro KOSHIHARA

Hiroharu Kato

Hiroharu KATO

Akio Nagamune

AKIO NAGAMUNE

Witness

PATENT