

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Nobuyuki Ishikawa</td><td>11/28/2005</td></tr><tr><td>Toyohisa Shinmiya</td><td>11/28/2005</td></tr><tr><td>Shigeru Endo</td><td>11/28/2005</td></tr><tr><td>Ryuji Muraoka</td><td>11/28/2005</td></tr></tbody></table>		Name	Execution Date	Nobuyuki Ishikawa	11/28/2005	Toyohisa Shinmiya	11/28/2005	Shigeru Endo	11/28/2005	Ryuji Muraoka	11/28/2005		
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<table border="1"><tr><td>Name:</td><td>JFE Steel Corporation</td></tr><tr><td>Street Address:</td><td>2-3, Uchisaiwai-cho 2-chome</td></tr><tr><td>Internal Address:</td><td>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	Internal Address:	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													
Fax Number: (215)656-2498 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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ATTORNEY DOCKET NUMBER:	JFE-05-1735												
NAME OF SUBMITTER:	Carol Coney												

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REEL: 022239 FRAME: 0219

ASSIGNMENT

WHEREAS, we, Nobuyuki ISHIKAWA, Toyohisa SHINMIYA, Shigeru ENDO and Ryuji MURAOKA citizens of Japan, residing at Hiroshima, Japan, respectively, (hereinafter referred to as "the undersigned"), having made an invention entitled LOW YIELD RATIO, HIGH STRENGTH, HIGH TOUGHNESS, THICK STEEL PLATE AND WELDED STEEL PIPE, AND METHOD FOR MANUFACTURING THE SAME for which on the date set forth below, unless otherwise indicated here, _____, the undersigned executed an application for United States Letters Patent, now identified as USSN 10/559,844

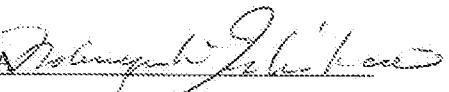
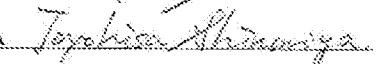
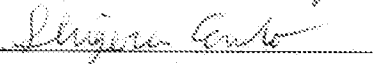
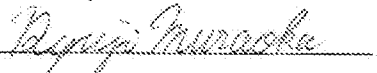
WHEREAS, JFE STEEL CORPORATION, a corporation of Japan, with offices at 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan, (hereinafter referred to as "assignee"), is desirous of acquiring the entire right, title and interest in said invention, said application and all letters patent issuing 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 28, 2005

Nobuyuki ISHIKAWA 
Toyohisa SHINMIYA 
Shigeru ENDO 
Ryuji MURAOKA 

 Witness

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