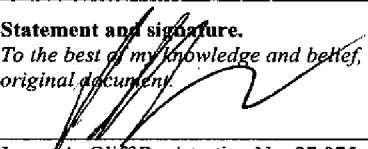


Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
Attorney Docket No. 142681					
Please record the attached document. Total number of pages including cover sheet, attachments, and document: <u>3</u>					
1. A. Name of conveying parties: (1) Yukinori IIZUKA (2) Kazuhito KENMOCHI (3) Hiroyasu YOKOYAMA (4) Tomohiro INOUE (5) Shigeto SAKASHITA B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. A. Name and address of receiving party: JFE STEEL CORPORATION 2-3, UCHISAIWAI-CHO 2-CHOME CHIYODA-KU, TOKYO 100-0011 JAPAN B. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. A. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ B. Execution Dates: <u>(2) 10/16/09; (3) 10/19/09; (1),</u> <u>(4) and (5) 10/30/09.</u>					
4. A. Patent Application No.(s) <u>12/449,744</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No C. Title of Application: <u>ULTRASONIC FLAW DETECTION APPARATUS AND ULTRASONIC FLAW DETECTION METHOD FOR PIPE</u>					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>James A. Oliff</u> Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400 Fax Number: 703-836-2787			6. Total number of applications and patents involved: <u>1</u> 7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of <u>\$40.00</u> . 8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.		
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>  _____ James A. Oliff Registration No. 27,075 Patrick T. Muffo Registration No. 60,342 <div style="text-align: right;">Date: <u>November 24, 2009</u></div>					

CH \$40.00 150461 12449744

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Yukinori IIZUKA (5) Shigeto SAKASHITA

(2) Kazuhito KENMOCHI (6) _____

(3) Hiroyasu YOKOYAMA (7) _____

(4) Tomohiro INOUE (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee (9) JFE STEEL CORPORATION

(10) Insert Address of Assignee (10) 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number (11) ULTRASONIC FLAW DETECTION APPARATUS AND ULTRASONIC FLAW DETECTION METHOD FOR PIPE

(Attorney Docket No. PCT/JP2007/060662 filed on May 18, 2007)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application (12) October 30, 2009

(13) Alternative Identification for filed applications (13) U.S. application Serial Number 12/449,744

filed November 24, 2009

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>October 30, 2009</u>	Inventor Signature	<u>Yukinori IIZUKA</u> <i>Yukinori Iizuka</i> (SEAL)
Date	_____	Inventor Signature	<u>Kazuhito KENMOCHI</u> (SEAL)
Date	_____	Inventor Signature	<u>Hiroyasu YOKOYAMA</u> (SEAL)
Date	<u>October 30, 2009</u>	Inventor Signature	<u>Tomohiro INOUE</u> <i>Tomohiro Inoue</i> (SEAL)
Date	<u>October 30, 2009</u>	Inventor Signature	<u>Shigeto SAKASHITA</u> <i>Shigeto Sakashita</i> (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	_____	Witness	_____
Date	_____	Witness	_____

ASSIGNMENT

(1-8) Insert
Name(s)
of Inventor(s)

(1) Yukinori IIZUKA

(5) Shigeto SAKASHITA

(2) Kazuhito KENMOCHI

(6)

(3) Hiroyasu YOKOYAMA

(7)

(4) Tomohiro INOUE

(8)

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(9) Insert Name of
Assignee
(10) Insert Address of
Assignee

(9) JFE STEEL CORPORATION

(10) 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan

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(11) Insert
Identification
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Number, or Foreign
Application Number

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(Attorney Docket No. PCT/JP2007/060662 filed on May 18, 2007)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of
Signing of

(12) October 19, 2009

Application

(13) Alternative
Identification for
filed applications(13) U.S. application Serial
Number

12/449,744

filed November 24, 2009

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	_____	Inventor Signature	Yukinori IIZUKA	(SEAL)
Date	October 16, 2009	Inventor Signature	Kazuhito KENMOCHI <i>Kazuhito Kenmochi</i>	(SEAL)
Date	October 19, 2009	Inventor Signature	Hiroyasu YOKOYAMA <i>Hiroyasu Yokoyama</i>	(SEAL)
Date	_____	Inventor Signature	Tomohiro INOUE	(SEAL)
Date	_____	Inventor Signature	Shigeto SAKASHITA	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	_____	Witness	_____
Date	_____	Witness	_____

PATENT

RECORDED: 11/24/2009

REEL: 023568 FRAME: 0468