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Alexandria, VA 22313-1450		Att	orney Docket No.	<u>142681</u>		
Please record the attached document. Total number of pages including cover sho	eet, attachments, and docum	ent: <u>3</u>				
A. Name of conveying parties: (1) Yukinori IIZUKA (2) Kazuhito KENMOCHI (3) Hiroyasu YOKOYAM (4) Tomohiro INOUE (5) Shigeto SAKASHITA B. Additional name(s) of conveying	A	JFE ST 2-3, UC	d address of receivi EEL CORPORA CHISAIWAI-CH DA-KU, TOKY	ATION IO 2-CHOME		
3. A. Nature of conveyance: Assignment Security Agreement Other B. Execution Dates: (2) 10/16/04 (4) and (5) 10/30/09.		B. Additiona	al name(s) & addre: □ Y	ss(e3) attached? ∕es ⊠ No		
4. A. Patent Application No.(s) 12/4	49,744	B. Patent No	o.(s)			
	Additional numbers attac	hed? 🔲 Yes 🛭 No				
C. Title of Application: <u>ULTRASONIC FLAW DETECTION APPARATUS AND ULTRASONIC FLAW DETECTION METHOD FOR PIPE</u>						
Name and address of party to whom concerning document should be mailed.		6. Total number o	f applications and	patents involved: 1		
Name: <u>James A. Oliff</u>				count No. 15-0461 the ne amount of \$40.00.		
Address: OLIFF & BERRIDGE, P P.O. Box 320850 Alexandria, VA 223 Phone Number: 703-836 Fax Number: 703-836	320-4850 3-6400		payment or charge t number 15-0461,	any underpayment to		
9. Statement and signature. To the best of my mowledge and bet original accuracy. James A. Oliff Registration No. 27,0 Patrick T. Muffo Registration No. 60	75		and any attached co	-		

PATENT REEL: 023568 FRAME: 0466

ASSIGNMENT

		(1) <u>Yu</u>	kinori IIZUKA	(5)	Shigeto SAKASHITA			
(1-8)	Insert	(2) <u>Ka</u>	zuhito KENMOCHI	(6) _				
	Name(s) of Inventor(s)	(3) <u>Hi</u>	royasu YOKOYAMA	(7) _				
		(4) <u>To</u>	mohiro INOUE					
		paid to eac set over to			00) and other good and valua to assign, and hereby does ass			
(9)	Insert Name of	(0) IEI	COTONY COPPOR LEVAL					
(10)	Assignee Insert Address of Assignee							
		(10)2-3	(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	, ,	TRASONIC FLAW E	DETECTION APPAR PIPE	ARATUS AND ULTRAS	ONIC FLAW		
			(Attorney Docket No. PCT/JP2007/060662 filed on May 18,2007					
			he undersigned has (have) te herewith or	executed an applicat	ion for patent in the United St	ates of America		
(12)	Insert Date of Signing of	(12) on	October 30 , 2009					
	Application							
(13)	Alternative	(13) U Number	J.S. application Serial	12/449,7	44			
	Identification for filed applications	filed	November 24, 20					
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PATENT REEL: 023568 FRAME: 0467

RECORDED: 11/24/2009

ASSIGNMENT

		(1)	Yukinori IIZUKA	(5)	Shigeto SAKASHIT	A		
(1-8)	Insert	(2)	Kazuhito KENMOCHI					
	Name(s) of Inventor(s)		Hiroyasu YOKOYAMA					
			Tomohiro INOUE					
		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)	(0) THE STEEL CONDONATION					
(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		ULTRASONIC FLAW DETECTION METHOD FO		PPARATUS AND	ULTRASONIC FLAW		
	Number, or Foreign Application Number	(Attorney Docket No. PCT/JP2007/060662 filed on May 18,2007)						
(T.A.)		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 $\int_{-\infty}^{\infty}$, 2009					
	Application	on						
(13)	Alternative	(13) Number	U.S. application Serial	12/440	744			
	Identification for filed applications	filed _	November 24,	<u>12/449</u> 2009	,744			
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	In witness whereof, execute	d by the n	ndersioned on the data(s).	annosite the under-	signed war see			
Date			¥ . ~.		_ ,,	(OP 44)		
Date					10CHI Kazuhito	Yoursell' (SEAL)		
Date	/9		Inventor Signature	Hirovaeu YOKO	YAMA Kiroyasu	Yokana (SEAL)		
Date		_				(SEAL)		
Date		-			НІТА			
Date								
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If neithe	This assignment should prefer, then it should be signed before	rably be sig	gned before: (a) a Notary Pu	blic if within the U.				
Date								
Date			Witness					

PATENT

REEL: 023568 FRAME: 0468