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		
Aic	-Latii Wi	ARRY TEN MINISTER AND ACTION				Attorney Docket No.	<u>156655</u>	
Please record the attached original document or copy thereof.								
1.	Α.	Name of conveying party(	ies):	2. A	. Name	and address of receiving	; party(ies):	
		1) Yasumasa HIRAI 2) Kiyoshi UWAI			2-3, U CHIY	ODA-KU, TOKYO	CORPORATION AIWAI-CHO 2-CHOME KU, TOKYO 100-0011	
	В.	Additional name(s) of con	veying party(ies) attached?		JAPA			
3.	Α	Nature of conveyance:			3. Additio	onal name(s) & address( Ves	(es) attached? ⊠ No	
	$\boxtimes$	Assignment	☐ Merger					
		Security Agreement	Change of Name					
		Other						
	В.	Execution Date: 1) Apri	<u>I 2, 2013;</u> il 2, 2013					
4.		This document is being fit	led together with a new applies	ation.				
	A.	Patent Application No.(s)	13/821,729		3. Patent	No.(s)	_	
	Additional numbers attached? ☐ Yes ☒ No							
C. Title of Application: <u>BEARING STEEL BEING EXCELLENT BOTH IN POST SPHEROIDIZING-ANNEALING WORKABILITY AND IN POST QUENCHING-TEMPERING HYDROGEN FATIGUE</u> RESISTANCE PROPERTY								
12.5		This Assignment is	submitted for a dual purpose application as the oath or do	: (1) re	cording in on pursuan	the assignment databa et to 37 CFR 1.63(c).	se; and (2) for use in	
5.	Name and address of party to whom correspondence concerning document should be mailed:			6.	Fotal numbe	er of applications and pa	tents involved: 1	
	Name: James A. Oliff		7. !	Please char fee (37 CF	rge Deposit Account l R 3.41) in the amount	No. 15-0461 the total t of \$ <u>40.00</u> .		
ALL PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF TH	Αd	dress: OLIFF & BERF P.O. Box 3208 Alexandria, V.	50			verpayment or charge a ount number 15-0461.	ny underpayment to	
9.	TO U	atement and signature.  the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of spinal document.					opy is a true copy of the	
	James A. Oliff, Registration No. 27,075 David W. Anderson, Registration No. 63,517 Yotal number of pages including cover sheet, attachments, and document: 2							

PATENT REEL: 030147 FRAME: 0865

## ASSIGNMENT

	Inscri	(1)	Yasumasa HIRA1	(2)	Kiyoshi UWAi		
(1-8)	Legal Name(s)	(3)	_	(4)			
	of Inventor(s)	(5)	**************************************	(6)			
		(7)		(8)			
		In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to					
(9)	Insert Name of Assignee	(9)	IFE STEEL CORPORATION				
(10)	Insert Address of Assigned Insert Identification such as Title, Case Number, or Foreign Application Number	(10)	2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011, Japan				
(11)		(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, substitute and reissue application(s), and all Letters Potent, extensions, reissues and reexamination certificates that may be granted on the invention known as  (11) BEARING STEEL BEING EXCELLENT BOTH IN POST SPHEROIDIZING-ANNEALING					
(**)		****	WORKABILITY AND IN POST QUENCHING-TEMPERING HYDROGEN FATIGUE				
			RESISTANCE PROPERTY				
		(Attor	ncy Docket No. 156655	),	filed on eyen date herewith or as		
(12)	Alternative	(12)	U.S. Application Number	<u> </u>			
	Identification for						
	filed applications	filed			di di ada anno Santa Santa Santa da Asia		

- Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention 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 or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.
- 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 sets 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 patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLUST & 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	April-2, 2013 —	Inventor Signature	Yasuma sa	)-11-ai	(SEAL)
Date	~ 17 0 0040	Inventor Signature	<u> </u>	Uwa.1	(SEAL)
Date		Inventor Signature			(SEAL)
Date		Inventor Signature			(\$BAL)
Date		Inventor Signature			(SEAL)
Date	<b>*************************************</b>	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:

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