## 11/21/2013 17:41 FAX 703 836 2787 **700512856** BERRIDGE 11/21/2013

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		Attorney Docket No. 158795					
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1. A	Name of conveying parties:	2. A. Name and address of receiving party:					
В	[1] Hideki OKADA [2] Hajime KASHIKI [3] Kazumi FUKUHARA [4] Mitsuo FUJIMOTO  3. Additional name(s) of conveying party(ies) attached?	KAWASAKI JUKOGYO KABUSHIKI KAISHA 1-1, HIGASHIKAWASAKI-CHO 3- CHOME, CHUO-KU, KOBE-SHI, HYOGO 650-8670					
E	Yes 🛛 No	JAPAN					
	Assignment	B. Additional name(s) & address(es) attached? ☐Yes ☑ No					
4. A	A. Patent Application No. 14/005,934	B. Patent No.					
	Additional numbers attac	hed? 🔲 Yes 🖾 No					
	C. Title of Application: FRICTION STIR SPOT WELDING DEVICE AND FRICTION STIR SPOT WELDING METHOD						
	lame and address of party to whom correspondence oncerning document should be mailed:	6. Total number of applications and patents involved: 1					
	Name: James A. Oliff  Address: OLIFF & BERRIDGE, PLC P.O. Box 320850	7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.					
	Alexandria, VA 22320-4850 Phone Number: 703-836-6400 Fax Number: 703-836-2787 Email: <u>email@oliff.com</u>	Credit any overpayment or charge any underpayment to deposit account number 15-0461.					
) a	Statement and signature.  To the best of my knowledge and belief, the foregoing information original document.  The property of the foregoing information original document.  The property of the foregoing information or serious information information information or serious information information or serious information	n is true and correct and any attached copy is a true copy of the  Date: November 21, 2013					

**PATENT REEL: 031783 FRAME: 0371** 

## ASSIGNMENT

	Insert	(1)	Hideki OKADA	(2)	Hajime KASHIKI		
(1-8)	Legal Name(s)	(3)	Kazumi FUKUHARA	(4)	Mitsuo FUJIMOTO		
,	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 Assignce	(9)	(9) KAWASAKI JUKOGYO KABUSHIKI KAISHA				
(10)	Insert Address of Assignee	(10)	0) 1-1, Higashikawasaki-cho 3-chome, Chuo-ku, Kobe-shi, Hyogo 650-8670 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, 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)	FRICTION STIR SPOT WELDI	NG DEVICE AI	ND FRICTION STIR SPOT WELDING		
		метнор					
		(Attorney Docket No. 158795 ), filed on even date herewith or as					
(12)	Alternative Identification for	(12)	(12) U.S. Application Number 14/005,934				
	filed applications	filed	November 21, 2013	*			
	15 F-3 - 1 - 1 - 1 -						

1) 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 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 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 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

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	Oct. 17 2013	Inventor Signature	Hideki Okada (SEA)
Date	Oct. 21 2013	Inventor Signature	Hajime Kashiki (SEA)
Date	Oct. 21 2013	Inventor Signature	Kazumi FUKUHARA (SEA)
Date	Oct. 29 2013	Inventor Signature	Mitsuo FUJIMOTO (SEAL
Date		Inventor Signature	(SEAL
Date		Inventor Signature	(SEAI
Date		Inventor Signature	(SEAI
Date		Inventor Signature	(SEAL

**PATENT** REEL: 031783 FRAME: 0372