Mail Stop: Assignment Recordation Services RECORDATION FORD Director of the U.S. Patent PATENTS and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450						
Please record the attached document. Total number of pages including cover sheet, attachments, and documents.	nent: <u>2</u>					
1. A. Name of conveying parties: (1) Makoto TAGUCHI (2) Atsushi SANO (3) Toshiyuki YAMADA (4) Hideki KUMAMOTO (5) Seiichiro YAGI (6) Masayuki TOMIZAWA B. Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No 3. A. Nature of conveyance: ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other B. Execution Date: (1-3) May 9, 2013 and (4-6) May 10, 2013	2. A. Name and address of receiving party: KAWASAKI JUKOGYO KABUSHIKI KAISHA 1-1, HIGASHIKAWASAKI-CHO 3-CHOME, CHUO-KU, KOBE-SHI, HYOGO 650-8670 JAPAN B. Additional name(s) & address(cs) attached? □Yes ☑ No					
4. A. Patent Application No. 13/988,388 B. Patent No.(s) Additional numbers attached? □ Yes ☑ No C. Title of Application: CRASH ENERGY ABSORBER OF RAILCAR						
5. Name and address of party to whom correspondence concerning document should be mailed: Name: James A. Oliff 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: 1 7. Please charge Deposit Account No. 15-0461 th total fee (37 CFR 3.41) in the amount of \$40.00. 8. Credit any overpayment or charge any underpayment to deposit account number 15-0461. 					
9. Statement and signature. To the best of my knowledge and belief, the foregoing information original document. James A. Oliff, Registration No. 27,075 Todd M. Guise, Registration No. 46,748 Roane T. Noel, Registration No. 63,004	ion is true and correct and any attached copy is a true copy of the Date: May 20, 2013					

PATENT REEL: 030491 FRAME: 0275

ASSIGNMENT

	Insert	(1)	Makoto TAGUCHI	(2)	Atsushi SANO		
(1-8)	Legal Nume(s)	(3)	Toshiyuki YAMADA	(4)	Hideki KUMAMOTO	t t	
\/	of Inventor(s)	(5)	Seiichiro YAGI	(6)	Masayuki TOMIZAWA	į.	
		(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)	KAWASAKI JUKOGYO KABUSHIKI KAISHA				
(10)	Assigned Insert Address of Assigned	(10)	1-1, Higashikawasaki-cho 3-chome, Chuo-ku, Kobe-shi, Hyogo 650-8670 Japan				
		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)	CRASH ENERGY ABSORE	ER OF RAILCAR			
		(Attor	ney Docket No. 157488		filed on even date herewith or as	n and and and and and and and and and an	
(12)	Alternative	(12)	U.S. Application Number	13/988,388	3		
	Identification for filed applications	filed	May 20, 2013				
to exec	Each undersigned agreements in	ces to exec	ute all papers necessary in containing with such applications and pa	nection with any a tents as the Assign	pplication and/or patent for the in- nee may deem necessary. nterference or post-grant proceeds	rention and also my which may be	

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 Assignce.

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 Assignce, as Assignce of the entire interest, and covenants that he or she has full right to convey the resulting from said application(s) to the said Assignce, as Assignce 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 recordation of this document.

recordation of this document.

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

Date	May 09. 2013	Inventor Signature	Makoto Jagudii	(SEAL)
Date	May 09, 2013	Inventor Signature	Atsushi Sand	(SÉAL)
Date	May 09, 2013	Inventor Signature	Foshiyuki Yamada	(SEAL)
Date	May 10, 2013	Inventor Signature	Hideki Kumamoto	_ (\$EAL)
Dute	May 10, 2013	Inventor Signature	Seichiro Yagi	_ (SEAL)
Date	May 10, 20/3	Inventor Signature	Masayuki Tomizana	_ (SEAL)

PATENT

REEL: 030491 FRAME: 0276