Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2661912

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date
Makoto TAGUCHI	08/28/2013
Jin KATO	11/15/2013
Aya KOJIMA	11/15/2013
Keisuke MIZUTANI	11/15/2013
Kenichi KOYAMA	09/03/2013
Tetsuya ASAKA	08/27/2013
Takashi ONO	08/27/2013
Takashi AZUMA	08/28/2013

RECEIVING PARTY DATA

Name:	East Japan Railway Company			
Street Address:	2-2-2 Yoyogi, Shibuya-ku			
City:	Токуо			
State/Country:	Japan			
Postal Code:	151-8578			

Name:	Kawasaki Jukogyo Kabushiki Kaisha			
Street Address:	1-1, Higashikawasaki-cho 3-chome, Chuo-ku			
City:	Kobe-shi, Hyogo			
State/Country:	Japan			
Postal Code:	650-8670			

Name:	lapan Transport Engineering Company			
Street Address:	3-1 Okawa, Kanazawa-ku			
City:	Yokohama-shi, Kanagawa			
State/Country:	Japan			
Postal Code:	236-0043			

PROPERTY NUMBERS Total: 1

PATENT

REEL: 031855 FRAME: 0001

Property Type	Number		
Application Number:	14000271		

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	158555
NAME OF SUBMITTER:	EVAN BURT
Signature:	/Evan Burt/ for James A. Oliff
Date:	12/27/2013

Total Attachments: 3

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> PATENT REEL: 031855 FRAME: 0002

ASSIGNMENT (Three Assignees)

	Insert	(1)	Makoto T	AGUCHI	(2)	Jin KATO				
(1-8)	(1-8) Legal Name(s) (3) of Inventor(s) (5)		Aya KOJI	MA	(4)	Keisuke MIZUTANI				
			Kenichi KOYAMA		(6) Tetsuya ASAKA					
(7)		Takashi O	NO	(8)	Takashi AZUMA					
			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							
(9A)	Insert Name of Fi Assignee	irst	(9A)	EAST JAPAN RAILWAY C	OMPA	NY				
(10A)	Insert Address of Assignee		(10A)	2-2-2 Yoyogi, Shibuya-ku, Tokyo 151-8578 Japan KAWASAKI JUKOGYO KABUSHIKI KAISHA						
(9B)	Insert Name of Se Assignee		(9B)							
(10B)	Insert Address of Assignee		(10B)	1-1, Higashikawasaki-cho 3-	1-1, Higashikawasaki-cho 3-chome, Chuo-ku, Kobe-shi, Hyogo 650-8670 Japan					
(9C)	Insert Name of Ti Assignee		(9C)	JAPAN TRANSPORT ENGI	NEERI	ING COMPANY				
(10C)	Insert Address of Assignee	Third	(10C)	3-1 Okawa, Kanazawa-ku, Y	okoham	na-shi, Kanagawa 236-0043 Japan				
(11)	Insert Identification	e	the entire invention continuat and reexa	right, title and interest for the U, and in all applications for pate	Jnited S nt inclu I reissue	ssignees' heirs, successors, assigns and legal States of America as defined in 35 U.S.C. §16 ading any and all provisional, non-provisional e application(s), and all Letters Patent, extensed ed on the invention known as	00, in the			
	Number, or Foreig Application Numb		<u>-</u>							
	••		(Attorney	y Docket No. 158555), filed on even date herewith or as				
(12)	Alternative		(12) U.	S. Application Number 14,	/000,27	1				
	Identification for		~· ·			7	······································			
	filed applications			August 19, 2013						
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	in witness whereof,	execute	d by the ui	ndersigned on the date(s) opp	osite ti	he undersigned name(s).				
Date _				_ Inventor Signature _			(SEAL)			
Date _	2013	11.15		_ Inventor Signature _		Jin Kato	(SEAL)			
Date _	76 (3.	11.15		_ Inventor Signature _		aya Kogina	(SEAL)			
Date _ Date	70(5,11	. 15		_ Inventor Signature	k	ceisuke Mizatani	(SEAL)			
Date _	<u> </u>			_ Inventor Signature _			(SEAL)			
Date _				Inventor Signature Inventor Signature			(SEAL)			
Date							(SEAL)			
				_ Inventor Signature _			(SEAL)			

PATENT REEL: 031855 FRAME: 0003

ASSIGNMENT (Three Assignees)

(2) Jin KATO

Makoto TAGUCHI

(1)

Insert

(1-8)	Legal Name(s)	(3)	Aya KOJI	MA	(4)	Keisuke MIZUTANI				
	of Inventor(s)	(5)	Kenichi KOYAMA		(6)	Tetsuya ASAKA				
	(7)		Takashi ONO		(8)	Takashi AZUMA				
		-	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							
(9A)	Insert Name of F Assignee	irst	(9A)	(9A) EAST JAPAN RAILWAY COMPANY						
(10A)	Insert Address of Assignee	First	(10A)	(10A) 2-2-2 Yoyogi, Shibuya-ku, Tokyo 151-8578 Japan						
(9B)	Insert Name of So Assignee	econd	(9B)	KAWASAKI JUKOGYO KABUSHIKI KAISHA						
(10B)	Insert Address of Assignee	Second	(10B)	1-1, Higashikawasaki-cho 3-chome, Chuo-ku, Kobe-shi, Hyogo 650-8670 Japan						
(9C)	Insert Name of T. Assignee	hird	(9C)	JAPAN TRANSPORT ENGINEERING COMPANY						
(10C)	Insert Address of Assignee	Third	(10C)	3-1 Okawa, Kanazawa	ı-ku, Yokohan	na-shi, Kanagawa 236-0043 Japan				
(11)	Insert Identificati such as Title, Case	e	the entire invention continuat and reexa	right, title and interest for , and in all applications f ion, international, substit	or the United S for patent inclu tute and reissue	ssignees' heirs, successors, assigns an states of America as defined in 35 U. kling any and all provisional, non-pro- e application(s), and all Letters Paten ed on the invention known as	S.C. §100, in the ovisional.			
	Number, or Foreig Application Numb		(Attorney	v Docket No. 158555	5), filed on even date herewith of	or as			
(12)	Alternative		(12) U.	S. Application Number	14/000,27	1				
	Identification for filed applications		filed	August 19, 2013						
declared and goin claims or recxamir resulting the entire that this is dentificate cordati	te separate assignme 2) Each undersigne concerning any appl g forward with such 3) Each undersigne r provisions of the In 4) Each undersigne nation a grant of a va 5) Each undersigne from said applicatio e interest herein assig assignment is bindin 6) Each undersigne ation that may be nec on of this document.	nts in condagrees lication of interfered agrees ternationed agrees lid United authority to the greed, and g on Asside hereby essary on the same and the same agrees are on the same agrees.	nnection wi to execute r patent for nee or post- to execute al Convent to perform d States pal zes and rec e said Assi that he or ignor and A grants the desirable	th such applications and all papers necessary in a the invention and to congrant proceeding. all papers and document ion for Protection of Incall affirmative acts white tent to the Assignees. The Commissioner gnees, as Assignees of the has not executed, an assignor's heirs, success firm of OLIFF & BERRI in order to comply with	I patents as the connection wire operate with the stand perform dustrial Proper ich may be need to find will not execute ors, assigns an IDGE, PLC the the rules of the connection of the standard will not execute ors.	power to insert on this assignment a e United States Patent and Tradema	occeeding which may be in obtaining evidence a connection with m by reissue or any and all patents is full right to convey erewith, and agrees			
						he undersigned name(s).				
Date _	Aug 28, 20					hote Tagrichi				
Oate Date							(SEAL)			
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ate _				_ Inventor Signate	ure		(SEAL)			
Pate _	Aug 28, 2	013		_ Inventor Signati	ure <i>Jas</i>	hashi ayuma	(SEAL)			

PATENT REEL: 031855 FRAME: 0004

ASSIGNMENT (Three Assignees)

	Insert	(1)	Makoto T.	AGUCHI	(2)	Jin KATO			
(1-8) Legal Name(s) (3)		Aya KOJIMA		(4)	Keisuke MIZUTANI				
	of Inventor(s) (5)		Kenichi KOYAMA		(6)	Tetsuya ASAKA			
			Takashi O	NO	(8)	Takashi AZUMA			
		·	the under	eration of the sum of one dollar signed, the receipt and sufficien id hereby does assign, transfer a	cy of w	and other good and valuable consideration which are hereby acknowledged, each under hier to	on paid to each of exsigned agrees to		
(9A)	Insert Name of Fi Assignee		(9A)	EAST JAPAN RAILWAY COMPANY					
(10A)	Insert Address of Assignee	First	(10A)	2-2-2 Yoyogi, Shibuya-ku, To	okyo 15	1-8578 Japan			
(9B)	Insert Name of St Assignce	econd	(9B)) KAWASAKI JUKOGYO KABUSHIKI KAISHA					
(10B)	Insert Address of Assignee	Second	(10B)	1-1, Higashikawasaki-cho 3-chome, Chuo-ku, Kobe-shi, Hyogo 650-8670 Japan					
(9C)	Insert Name of The Assignee	hird	(9C)	JAPAN TRANSPORT ENGI					
(10C)	Insert Address of Assignee	Third	(10C)						
	Assignee		the entire invention, continuati	(10C) 3-1 Okawa, Kanazawa-ku, Yokohama-shi, Kanagawa 236-0043 Japan (hereinafter designated as the Assignees) and Assignees' 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		(11) <u>F</u>	RAILCAR					
	Number, or Foreig Application Numb	gn	(Attorney	Docket No. 158555), filed on even date herewith or as			
(12)	Alternative		(12) U.S	S. Application Number 14/	000,271	ı			
	Identification for			<u></u>	500,27				
	filed applications			August 19, 2013					
declared and goin claims or reexamir resulting the entire that this identificarecordati	te separate assignment 2) Each undersigne concerning any appl g forward with such 3) Each undersigner provisions of the In 4) Each undersigner provisions agrant of a var 5) Each undersigner from said application in the said application agrant of a var 5) Each undersigner from said application in the said application of the said application that may be necessary on the said application that may be necessary of this document.	nts in condition of agrees ication of interfere id agrees ternation did agrees lid Unite did authorin(s) to the good Assid hereby essary of the condition of th	nection with to execute a repatch for nee or post-to execute all Convention to perform destates pat izes and reques and Assignate and Assignor and Agrants the free desirable in the endison of the second second for the endison of th	th such applications and patent all papers necessary in connect the invention and to cooperate grant proceeding. all papers and documents and patent and papers and documents and patent to the Assignees. The company of the grees, as Assignees of the entity of the has not executed, and will resigner of the grees, as Assigners of the onto the has not executed, and will resigner's heirs, successors, assign of OLIFF & BERRIDGE, Pin order to comply with the rule	s as the ion with the verform Proper be necu. S. Proper interest of execution and the proper and the proper interest of the properties	essary to obtain, maintain or confirm by atent and Trademark Office to issue any est, and covenants that he or she has full coute, any agreement(s) in conflict herewid legal representatives. power to insert on this assignment any fue United States Patent and Trademark Office.	ing which may be taining evidence nection with reissue or and all patents right to convey ith, and agrees		
	In witness whereof,	execute	d by the un	dersigned on the date(s) opp	osite tl	ne undersigned name(s).			
Date _	·			Inventor Signature _			(SEAL)		
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Date _		2013	`	Inventor Signature _	Ken	A 1	(SEAL)		
Date _		2013		Inventor Signature		suya. Asaka	(SEAL)		
Date _	Aug. 27,	20/3		Inventor Signature _	/	akashi Uno	(SEAL)		
Date _				Inventor Signature			(SEAL)		

PATENT REEL: 031855 FRAME: 0005

RECORDED: 12/27/2013