502992411 09/25/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3039010

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Haruhiko SUGAI	09/02/2014
Tomoyuki NAKAMURA	09/15/2014

RECEIVING PARTY DATA

Name:	Toyota Jidosha Kabushiki Kaisha		
Street Address:	1, Toyota-cho		
City:	Toyota-shi, Aichi-ken		
State/Country:	Japan		
Postal Code:	471-8571		

PROPERTY NUMBERS Total: 1

Property Type	Number			
Application Number:	14388158			

CORRESPONDENCE DATA

Fax Number: (703)836-2787

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 703-836-6400
Email: email@oliff.com
Correspondent Name: JAMES A. OLIFF
Address Line 1: OLIFF PLC

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER:	163267
NAME OF SUBMITTER:	CAMERON ROGERS
SIGNATURE: /Cameron Rogers/ for James A. Oliff	
DATE SIGNED:	09/25/2014

Total Attachments: 1

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PATENT 502992411 REEL: 033821 FRAME: 0735

ASSIGNMENT

(1-8)	Insert	(1)	Haruh	iko SUGAI	(2)	Tomoyuki NAKAMURA	
	Name(s)	(3)			(4)		
	of Inventor(s)	(5)			(6)		
		(7)			(\$)		
		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)	TOYO	TA JIDOSHA KABUSHI	KI KAISHA		
(10)	Insert Address of Assignce	(10)	1, Toy	ota-cho, Toyota-shi, Aich	i-ken, 471-8571	Japan	
	(hereinalier designated as the Assignee) and Assignee's heirs, successors, assigns and legal represents 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, divisio continuation, international, confirmation, substitute and reissue application(s), and all Latters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as						
(1.1)	Insert Identification such as Title, Case	(11)	ROAD	SURFACE STATE EST	MATION APPA	RATUS	
	Number, or Foreign Application Number	****					
	extension stantage		mey Dool deb the m		teallone as betw	ion for patent in the United States of America on	
			late herev		and we observe		
(12)	Insert Date of Signing	(12)	on				
	of Application	(12)	on				
(13)	Alternative	(13)	U.S. Ap	plication Number	14/388,158		
	Identification for						
	filed applications	filed	************	ptember 25, 2014			
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 which may be declared concerning any application or patents for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 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 execute 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 and other issuing authorities 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 has full right to convey the entire interest herein assigned, and that he 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 Pasent and Trademark Office for recordation of this document.							
	In witness whereof, execut	ed by tl	e unders	igned on the date(s) opp	osite the under	rigned name(s).	
Date	Soptember 2, 20	14		Inventor Signature		hor Jugai (SEAL)	
Date	Deptember 15	2014	*****	Inventor Signature	Zonsy.	ski <u>Na kamara</u> (SEAL)	
Date	<u></u>			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:							
Date Witness							
Date			***********	Witness			

PATENT REEL: 033821 FRAME: 0736

RECORDED: 09/25/2014