502973971 09/12/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
YUSUKE FUJIWARA	09/01/2014

RECEIVING PARTY DATA

Name:	Toyota Jidosha Kabushiki Kaisha	
Street Address:	1, Toyota-cho	
City:	Toyota-shi, Aichi-ken	
State/Country:	Japan	
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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	14484772		

CORRESPONDENCE DATA

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

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ATTORNEY DOCKET NUMBER:	162270
NAME OF SUBMITTER:	RYAN GUNNING
SIGNATURE:	/Ryan Gunning/
DATE SIGNED:	09/12/2014

Total Attachments: 2

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PATENT 502973971 REEL: 033730 FRAME: 0823

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

	Insert	(1)	Yusuke FUJIW	ARA	(2)		
(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)	TOYOTA JIDOSHA KABUSHIKI KAISHA				
(10)	Insert Address of Assignee	(10)	I, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan				
(11)	Insert Identification such as Title, Case	the ent inventi contin	ire right, title and ion, and in all app uation, internation examination certif	interest for the Unit dications for patent in al, substitute and re- ficates that may be g	ed States of Ancluding any issue applicate ranted on the	cirs, successors, assigns and legal representatives, America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, tion(s), and all Letters Patent, extensions, reissues invention known as	
٠	Number, or Foreign Application Number	(Attor	ney Docket No.	162270),	filed on even date herewith or as	
(12)	Alternative	(12)	U.S. Application	Number	14/48	84 , 772	
	Identification for filed applications	filed		September	12, 20	14	
	te separate assignments in (2) Each undersigned agre	connection es to exec	with such applic ute all papers nec	eations and patents a essary in connection	s the Assign n with any in	pplication and/or patent for the invention and also ee may deem necessary. Iterference or post-grant proceeding which may be upon your way nossible 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 Assignce, as Assignce of the entire interest, and covenants that he or she has full right to convey the this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.

 6) Each undersigned hereby grants the firm of OLIFF 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.

(13) Declaration

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to putentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

> **PATENT** REEL: 033730 FRAME: 0824

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

Gusupe Tujiwara 1. Sep. 2014 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 2. Sep. 2014 Witness

Dramw Tukanatæse Mitsuyaki Chno Date 2. Sep. 2014 Witness