503986566 08/31/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Keitaro ISHIKAWA	07/29/2016

RECEIVING PARTY DATA

Name:	Toyota Jidosha Kabushiki Kaisha	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15253129

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ATTORNEY DOCKET NUMBER:	171569
NAME OF SUBMITTER:	RENEE TISDALE
SIGNATURE:	/Renee Tisdale/
DATE SIGNED:	08/31/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT 503986566 REEL: 039890 FRAME: 0147

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)	Keitaro ISHIKAWA	(2)	
(1-8)	Legal Name(s)	(3)		(4)	
of Inventor(s)	of Inventor(s)	(5)		(6)	
		(7)		(8)	
		CE SEC LINE	sideration of the sum of one dollar dersigned, the receipt and sufficier and hereby does assign, transfer a	iCV (iii Willich are h	good and valuable consideration paid to each of tereby acknowledged, each undersigned agrees to
(9) Insert Name of Assignee		(9)	TOVOTA JIDOSHA KABUSH	IKI KAISHA	×.
	Insert Address of Assignee	(10)	1, Toyota-cho, Toyota-shi, Aich	hi-ken, 471-8571	Japan
(11)	Insert Identification such as Title, Case Number, or Foreign	contin	on, and in an applications for parc- lation, international, substitute and xamination certificates that may b	of including any a reissue application granted on the i	merica as defined in 35 U.S.C. §100, in the merica as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, on(s), and all Letters Patent, extensions, reissues invention known as
	Application Number	(Attorr	ey Docket No.		led on even date herewith or as
(12)	Alternative	(12)	J.S. Application Number		
	filed applications	filed			
declared	 Each undersigned agree concerning any application g forward with such interfe 	es to execu- or patent frence or po	all papers necessary in connect	s as me Assigned ion with any inter with the Assigne	lication and/or patent for the invention and also may deem necessary. rference or post-grant proceeding which may be a in every way possible in obtaining evidence

xecute 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.

3) 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 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 patentability 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: 039890 FRAME: 0148**

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

Date	July 29, 2016	Inventor Signature <u>(AUIIII) ANIKAWI</u> (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 July 29, 2016 Witness

Date July 29, 2016 Witness Masara Nakashima Takeshi Ashida

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