

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5719587

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kazuaki TAKEMURA	08/05/2019
Yuko MIZUNO	08/05/2019
Kohei MUTO	08/05/2019
Keiko NAGATOMI	08/29/2019
Masatoshi KOMIYAMA	08/05/2019
Kuniaki JINNAI	08/05/2019
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:	16571307
CORRESPONDENCE DATA	
Fax Number:	(703)836-2787
<i>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.</i>	
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:	188666
NAME OF SUBMITTER:	ELLEN C. MCDOWELL
SIGNATURE:	/Ellen C. McDowell/ for James A. Oliff
DATE SIGNED:	09/16/2019

Total Attachments: 2

source=6886173_1#page1.tif

source=6886173_1#page2.tif

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

	Insert	(1) <u>Kazuaki TAKEMURA</u>	(2) <u>Yuko MIZUNO</u>
(1-8)	Legal Name(s)	(3) <u>Kohei MUTO</u>	(4) <u>Keiko NAGATOMI</u>
	of Inventor(s)	(5) <u>Masatoshi KOMIYAMA</u>	(6) <u>Kuniaki HINNAI</u>
		(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 First Assignee (9) TOYOTA JIDOSHA KABUSHIKI KAISHA

(10) Insert Address of First Assignee (10) 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 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 Number, or Foreign Application Number (11) INFORMATION PROCESSING APPARATUS AND INFORMATION PROCESSING METHOD
(Attorney Docket No. _____), filed on even date herewith or as

(12) Alternative Identification for filed applications (12) U.S. Application Number _____
filed _____

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 Assignees 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 patents for the invention and to cooperate with the Assignees 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 Assignees.

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 Assignees, as Assignees 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 Assigner and Assigner'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.

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

Date Aug 5, 2019 Inventor Signature Kazuaki Takemura (SEAL)

Kazuaki TAKEMURA

Date Aug 5, 2019 Inventor Signature Yuko Mizuno (SEAL)

Yuko MIZUNO

Date Aug 5, 2019 Inventor Signature [Signature] (SEAL)

Kohei MUTO

Date Aug 29, 2019 Inventor Signature Keiko Nagatomi (SEAL)

Keiko NAGATOMI

Date Aug 5, 2019 Inventor Signature Masatoshi Komiyama (SEAL)

Masatoshi KOMIYAMA

Date Aug 5, 2019 Inventor Signature Kuniaki Jinnai (SEAL)

Kuniaki JINNAI

Date _____ Inventor Signature _____ (SEAL)

Date _____ 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 _____