504488084 08/03/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Shingo MAEDA	07/21/2017
Terutaka TAMAIZUMI	07/21/2017
Jun HASEGAWA	07/24/2017
Masayuki KITA	07/24/2017
Gempei NAKASONE	07/24/2017
Hiromasa TAMAKI	07/21/2017

RECEIVING PARTY DATA

Name:	JTEKT Corporation
Street Address:	5-8, Minamisemba 3-Chome
Internal Address:	Chuo-ku
City:	Osaka-shi, Osaka
State/Country:	Japan
Postal Code:	542-8502

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15668294

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ATTORNEY DOCKET NUMBER:	177734
NAME OF SUBMITTER:	ALYSON STRAND
SIGNATURE:	/alyson strand/
DATE SIGNED:	08/03/2017

504488084 PATENT REEL: 043190 FRAME: 0087

Total Attachments: 2

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> PATENT REEL: 043190 FRAME: 0088

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)	Shingo MAEDA	(2)	Terutaka TAMAIZUMI	
Legal Name(s)	(3)	Jun HASEGAWA	(4)	Masayuki KITA	
of Inventor(s)	(5)	Gempei NAKASONE	(6)	Hiromasa TAMAKI	
	(7)		(8)		
	the un	dersigned, the receipt and sufficie	ncy of which are l		
Insert Name of Assignee	(9) JTEKT CORPORATION				
Insert Address of	(10)	(10) 5-8, Minamisemba 3-Chome, Chuo-ku, Osaka-shi, Osaka 542-8502 Japan			
	(hereinafter designated as the Assignee) and Assignee's 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				
Insert Identification such as Title, Case Number, or Foreign	(11)	VEHICLE CONTROLLER		**************************************	
Application Number	(Attor	ney Docket No.), :	filed on even date herewith or as	
Alternative	(12)	U.S. Application Number			
Identification for					
filed applications	filed			·	
	Legal Name(s) of Inventor(s) Insert Name of Assignee Insert Address of Assignee Insert Foreign Application Number Alternative Identification for	Legal Name(s) (3) of Inventor(s) (5) (7) In conthe unassign Insert Name of Assignee Insert Address of Assignee (10) (herein the eninvent continuent and re Insert Identification such as Title, Case Number, or Foreign Application Number Atternative (12) Identification for	Legal Name(s) of Inventor(s) (5) Gempei NAKASONE (7) In consideration of the sum of one dollar the undersigned, the receipt and sufficie assign, and hereby does assign, transfer Insert Name of Assignee Insert Address of Assignee (10) 5-8, Minamisemba 3-Chome, of the entire right, title and interest for the invention, and in all applications for pate continuation, international, substitute an and reexamination certificates that may Insert Identification such as Title, Case Number, or Foreign Application Number Atternative Identification for (11) VEHICLE CONTROLLER (Attorney Docket No. (12) U.S. Application Number	Legal Name(s) of Inventor(s) (5) Gempei NAKASONE (6) (7) In consideration of the sum of one dollar (\$1.00) and othe the undersigned, the receipt and sufficiency of which are hassignee assign, and hereby does assign, transfer and set over to Insert Name of Assignee Insert Address of Assignee (10) 5-8, Minamisemba 3-Chome, Chuo-ku, Osaka-sethe entire right, title and interest for the United States of A invention, and in all applications for patent including any continuation, international, substitute and reissue application and reexamination certificates that may be granted on the Insert Identification such as Title, Case Number, or Foreign Application Number (11) VEHICLE CONTROLLER (12) U.S. Application Number	

- 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 or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee 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 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 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: 043190 FRAME: 0089 In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date .	June July 21,2017	Inventor Signature	Shingo Maeda	(SEAL)
Date	July. 21, 2017	Inventor Signature	Terutaka Tamaizuni	_ (SEAL)
Date	July 24.2017	Inventor Signature	Jun Hasegawa	_ (SEAL)
Date .	July 24. 2017	Inventor Signature	masazulci laita	_ (SEAL)
Date .	July 24, 2017	Inventor Signature	Gempei Nakasone	(SEAL)
Date .	July. 21.2017	Inventor Signature	Hiromasa Tamaki	_ (SEAL)
Date		Inventor Signature		(SEAL)
Date _		Inventor Signature		_ (SEAL)
neither,	This assignment should preferably be signed then it should be signed before at least two was		lic if within the U.S.A. (b) a U.S. Consul if outside the:	ne U.S.A. If
Date		Witness		
Date _		Witness	· 	