PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5035810

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEISUKE SASAKI	04/05/2018
NORIYASU ADACHI	04/05/2018
SHIGEHIRO SUGIHIRA	04/05/2018
TAKAYOSHI KAWAI	04/05/2018
SHINJI SADAKANE	04/05/2018
KAORU OTSUKA	04/05/2018

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:	16026948

CORRESPONDENCE DATA

Fax Number: (202)408-4400

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.

202-408-4000 Phone:

Email: faxserve@finnegan.com

FINNEGAN, HENDERSON, FARABOW, GARRETT & **Correspondent Name:**

Address Line 1: 901 NEW YORK AVENUE, NW Address Line 4: WASHINGTON, D.C. 20001-4413

ATTORNEY DOCKET NUMBER: 08350.1299-00000	
NAME OF SUBMITTER:	LAUREN BROWN
SIGNATURE: /Lauren Brown/	
DATE SIGNED:	07/03/2018

Total Attachments: 3

PATENT REEL: 046262 FRAME: 0710

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> PATENT REEL: 046262 FRAME: 0711

Attorney Docket No.: Client Ref.: TSN201702532US00

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE		
As the below named inventor, I hereby declare that:			
This declaration is directed to:	on		
	United States application or PCT international application number filed on		
The above-ide	entified application was made or authorized to be made by me.		
I believe that	I am the original inventor or an original joint inventor of a claimed invention in the application.		
I have review	ed and understand the contents of the application for which this assignment with declaration is being submitted.		
I 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.		
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of five (5) years, or both.		
WHEREAS,	TOYOTA JIDOSHA KABUSHIKI KAISHA, with offices at a-cho, Toyota-shi, Aichi-ken, 471-8571 Japan (hereinafter referred to as ASSIGNEE), is desirous of		
1, Toyota	i-cho, Toyota-shi, Aichi-ken, 471-8571 Japan (hereinafter referred to as ASSIGNEE), is desirous of		
acquiring all i legal protection	nterest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar on which may be granted therefor in the United States and in any and all foreign countries;		
of which are legal represen in and to any any and all pr Convention R adheres, and t United States	EFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency hereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and tatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to iority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American elating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America or any other benefits accruing or to accrue to me with respect to the filling of applications for patents or securing of patents in the and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters ASSIGNEE, as the assignee of the whole right, title and interest thereto;		
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;			
application fo	agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any renewal or reissues of any Letters may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense:		
application, sa	agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said aid invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will be same in any interference or litigation related thereto;		
And I hereby this assignmen	covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with and sale.		

PATENT REEL: 046262 FRAME: 0712

NAME OF SOLE OR FIRST INVENTOR:				
Given Name				
(first and middle [if any]) Keisuke	Family Name or Surname	SASAKI		
Inventor's signature Zinke Dasaki	Date	April 5, 20/2		
Residence: Susono-shi, Shizuoka-ken, Japan				
C/O TOYOTA JIDOSHA KABUSHIKI KAISHA				
Mailing Address: 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571	Japan	nnannannannannannannannannannannannanna		
NAME OF SECOND INVENTOR:	***************************************	жазандынын инин күсүрүнүн инин какерен ичке түрүү караматын ка		
Given Name (first and middle [if any]) Noriyasu	Family Name or Surname	ADACHI		
inventor's signature Noriyasu Adachi	Date	April 5, 2018		
Residence: Numazu-shi, Shizuoka-ken, Japan				
c/o TOYOTA JIDOSHA KABUSHIKI KAISHA				
Mailing Address: 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571		**************************************		
NAME OF THIRD INVENTOR:	againe en e			
Given Name (first and middle [if any]) Shigehiro	Family Name or Surname	SUGIHIRA		
Inventor's signature Shigehire Songihira	Date	April 5: 2018		
	,			
Residence: Susono-shi, Shizuoka-ken, Japan				
c/o TOYOTA JIDOSHA KABUSHIKI KAISHA Mailing Address: 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571				
NAME OF FOURTH INVENTOR:	**************************************			
Given Name				
(first and middle [if any]) Takayoshi	Family Name or Surname	KAWAI		
Inventor's signature Takayoshi Kawai	Date	April 5, 2018		
Residence: Susono-shi, Shizuoka-ken, Japan				
c/o TOYOTA JIDOSHA KABUSHIKI KAISHA Mailing Address: 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan				
NAME OF FIFTH INVENTOR:				
Given Name				
(first and middle [if any]) Shinji	Family Name or Surname	SADAKANE		
Inventor's signature Shinii Sadakane Mu	nji Salakane Date	April 5 2018		
Residence: Susono-shi, Shizuoka-ken, Japan				
c/o TOYOTA JIDOSHA KABUSHIKI KAISHA Mailing Address: I, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan				
	жижих ³ энхиникиникиникиникиникиникиникиника	Mailing Address: 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-85/1 Japan		

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NAME OF SIXTH INVENTO	R:	
Given Name	Notice visualization of the second of the se	ANNOTALES &
(first and middle [if any])	Kaoru	Family Name or Sumame OTSUKA
Inventor's signature	Kaoru Otsuk	a Date Apri/5,2018
	Shizuoka-ken, Japan	
c/o TOY	OTA JIDOSHA KABUSHIK I-cho, Toyota-shi, Aichi-ken,	

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RECORDED: 07/03/2018