505689457 09/25/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5736267

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Norihisa NAKAGAWA	09/12/2019

RECEIVING PARTY DATA

Name:	Toyota Jidosha Kabushiki Kaisha	
Street Address:	1, Toyota-cho	
City:	Toyota-shi, Aichi-ken	
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Postal Code:	471-8571	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16581865

CORRESPONDENCE DATA

Fax Number: (703)836-2787

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.

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ATTORNEY DOCKET NUMBER:	188741
NAME OF SUBMITTER:	MELAT WOLDETSADIK
SIGNATURE:	/Melat Woldetsadik/
DATE SIGNED:	09/25/2019

Total Attachments: 1

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PATENT 505689457 REEL: 050482 FRAME: 0413

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns a transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled CONTROL DEVICE OF INTERNAL COMBUSTION ENGINE, INTERNAL COMBUSTION [fitle of invention] ENGINE, AND VEHICLE relating to international Patent Application PCT/JP	(Insert	TOYOTA JIDOSHA KABUSHI	41					
thereinafter 'ASSIONEE'), the receipt of which is hereby acknowledged, the undersigned ASSIONOR hereby sells, assigns transfers to ASSIONEE the entire and exclusive right, title and interest to the sweeting muited committee to ASSIONEE the entire and exclusive right, title and interest to the sweeting muited interest to the sweeting muited and the committee of the committee of the United States was executed on PCT/JP and/or for which application for Letters Part of the United States was executed on even date herewith or, if not an executed, was: Assigner's attorney is hereby audiorized to insert in (b) the specified data, when here the concurrency of								
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Insert date (a) executed on even date herewith or, if not an executed, was: (Insert date (a) executed on one of application (b) filed on 09/25/2019 Serial No. 16/581,865; Assignee's attorney is hereby authorized to insert in (b) the specified data, when known. If not concurrent) and to said application and all Letters Patentiss of the United States granted on said application and any continuation, diving the renewal, substitute, resisted or recommission application application specification and supplication and any continuation, diving the present of the full term or terms for which the said Letters Patentiss). The ASSIGNOR agree(s), when requested by said ASSIGNEK and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said inventor, including in the preparation and proceeding, and in any litigation or other to proceeding which may arise or be chalcated in relation to same, such acts to include but not include to tan the issuance said letters Patentiss), in any interference, release, recommission, or public use proceeding, and in any litigation or other to proceeding, which may arise or be chalcated in relation to same, such acts to include but not include but not include to tan the issuance said letters Patentiss, the analysis of the undersigned inventor(s) has (have) affixed his/her/their signeture(s). No witness whereous including eventual and declarations, taking all rightful oaths, providing swern tentinony, and obtaining and producing evidence. [Signatures] (Signatures) (Signatures) (Impe Name) (DATE) (DATE) (SIGNATURE) (Impe Name) (DATE) (DATE) (DATE) (DATE) (SIGNATURE) (TYPE NAME) (DATE)		ENGINE, AND VEHICLE						
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Norihisa Nakagawa September 12, 2019		ASSIGNEE, to do all acts which the ASSIC enforcing protection for said invention, in said Letters Patent(s), in any interference, proceeding which may arise or be declared including separate assignments and decla	NEE may deem necessary, desirable cluding in the preparation and prose reissue, reexamination, or public u I in relation to same, such acts to in	e or expedient, for securing, maintaining ar scution of said application(s) and the issuan se proceeding, and in any litigation or other schude but not be limited to executing all pa	ice of legal pers,			
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(SIGNATURE) (TYPE NAME) (DATE)	(Signatures)	NoriBien Naturnin	Norihisa Nakagawa	September 12, 2019				
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PATENT REEL: 050482 FRAME: 0414

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RECORDED: 09/25/2019

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