504191084 01/23/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUTA OCHI	12/13/2016

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15412591

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ATTORNEY DOCKET NUMBER:	DOCKET NUMBER: 0577670/0261269/681	
NAME OF SUBMITTER: MICHELLE HUMPHREYS		
SIGNATURE: /Michelle Humphreys/		
DATE SIGNED:	01/23/2017	

Total Attachments: 1

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PATENT REEL: 041048 FRAME: 0148

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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

nsert	TOYOTA JIDOSHA KABU	SHIKI KAISHA				
SSIGNEE's ame(s) ddress(es))	1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan					
	-					
	118.4					
	(hereinafter "ASSIGNEE"), the receip transfers to ASSIGNEE the entire an	t of which is hereby acknowledged, d exclusive right, title and interest t	the undersigned ASSIGNOR hereby sells, assigns and			
tle of	INTERNAL COMBUSTION ENGINE					
vention)	,					
	relating to International Patent Appli of the United States was executed on	cation PCT/JP/_ even date herewith or, if not so exe	and/or for which application for Letters Paten			
nsert date execution application, not oncurrent)	(a) executed on	: Assistance to attenue	is bough, guilbories day in and in AVII.			
	(b) filed on	Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.				
	Serial No;					
	and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").					
	ASSIGNEE, to do all acts which the A enforcing protection for said inventio said Letters Patent(s), in any interfer proceeding which may arise or be de-	ASSIGNEE may deem necessary, des n, including in the preparation and ence, reissue, reexamination, or pub clared in relation to same, such acts	nd without charge to but at the expense of said sirable or expedient, for securing, maintaining and prosecution of said application(s) and the issuance o blic use proceeding, and in any litigation or other legs s to include but not be limited to executing all papers is, providing sworn testimony, and obtaining and			
		he undersigned inventor(s) has (hav	re) affixed his/her/their signature(s).			
gnatures)	1) Yuta Ochi	Yuta Ochi	December 13, 2016			
	(SIGNATURE)	(TYPE NAME)	December 13, 2016			
	2)(SIGNATURE)	(TYPE NAME)	(DATE)			
	3)					
	(SIGNATURE)	(TYPE NAME)	(DATE)			
	4)(SIGNATURE)	(TYPE NAME)	(DATE)			
	5)					
	(SIGNATURE)	(TYPE NAME)	(DATE)			
	6)(SIGNATURE)	(TYPE NAME)	(DATE)			
	7)					
	(SIGNATURE)	(TYPE NAME)	(DATE)			
	8)					

(DATE)PATENT **RECORDED: 01/23/2017 REEL: 041048 FRAME: 0149**

(TYPE NAME)

(SIGNATURE)