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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SATOSHI TAKAMOTO	09/02/2020
ATSUSHI NAGAI	09/02/2020
YOHSUKE HASHIMOTO	09/03/2020
MASAKAZU AOKI	09/02/2020
TATSUNOBU MURAI	09/02/2020

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:	17086984	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	533662US
NAME OF SUBMITTER:	KAYLA TILLMAN
SIGNATURE:	/Kayla Tillman/
DATE SIGNED:	11/02/2020

Total Attachments: 2 source=ASN#page1.tif

> **PATENT** REEL: 054243 FRAME: 0706

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PATENT REEL: 054243 FRAME: 0707

Attorney Docket No.: Client Ref.: TSN201909566US00

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

Γitle	of
[nv.or	ation

INTERNAL COMBUSTION ENGINE CONDITION DETERMINATION APPARATUS,

Invention	I INTERKINALA UJIVIDUS LIUJIN EINUTINEA UJINIJI LIUJIN IJELI ERKIVILINA LIUJIN SASTERIVI. AINT				
As the below	named inventor, I hereby declare that:				
This declarati	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 re	eferred to as ASSIGNEE), is desirous of acquiring all interest in, to and under said invention, said application disclosing the in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and				
of which are herepresentative to any and all all priority rice Convention Readheres, and to United States	EFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency tereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and legal s, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and in and Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and ghts and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American telating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America to any other benefits accruing or to accrue to me with respect to the filing 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;				
designee, as remuneration.	agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the and countries foreign thereto;				
for foreign pa	agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application tents, for filing subdivisions of said application for patent, and or, for obtaining any renewal or reissues of any Letters Patent which ad for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;				
And I further	agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said				

application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

> **PATENT REEL: 054243 FRAME: 0708**

NAME OF SOLE OR FIRST INVENT	rna.		
Given Name			***************************************
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Mailing Address: 1, Toyota-cho, To	yota-shi, Aichi-ken, 471-8571	Japan	
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Inventor's signature 4784514	Nagai		Date September 2, 2000
Residence: Toyota-shi, Aichi-ken,			3
	OSHA KABUSHIKI KAISH. yota-shi, Aichi-ken, 471-8571		
NAME OF THIRD INVENTOR:		· · · · · · · · · · · · · · · · · · ·	
Given Name (first and middle (if any))	Yohsuke	Family Name or Surnam	
Inventor's signature John Lule	Hashimor		Date September 3, 2020
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Given Name (first and middle [if any])	Masakazu	Family Name or Surnam	e AOKI
Inventor's signature Masaka	zn dol-		Date September 2,2020
	, Japan OSHA KABUSHIKI KAISH yota-shi, Aichi-ken, 471-8571	VT	*
NAME OF FIFTH INVENTOR:	X	······	······································
Given Nume (first and middle [if any])	Tatsunobu	Family Name or Surnam	e MURAI
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PATENT REEL: 054243 FRAME: 0709

RECORDED: 11/02/2020