PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KOTA MAEKAWA	08/30/2019
TAKEATSU ITO	08/29/2019
TOMOKUNI KUSUNOKI	09/04/2019
KEITARO EZUMI	09/04/2019

RECEIVING PARTY DATA

Name:	MAZDA MOTOR CORPORATION
Street Address:	3-1, SHINCHI, FUCHU-CHO
City:	AKI-GUN, HIROSHIMA
State/Country:	JAPAN
Postal Code:	730-8670

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16663718

CORRESPONDENCE DATA

Fax Number: (503)595-7301

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.

Phone: 503-595-7300

Email: ngo@allemanhall.com

Correspondent Name: ALLEMAN HALL CREASMAN & TUTTLE LLP

Address Line 1: 900 SW 5TH AVENUE

Address Line 2: SUITE 2300

Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:	MZD193028
NAME OF SUBMITTER:	MINH NGO
SIGNATURE:	/Minh Ngo/
DATE SIGNED:	10/25/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

PATENT REEL: 050825 FRAME: 0469

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PATENT REEL: 050825 FRAME: 0470

Title of Invention:	ENGINE CONTROL DEVICE
As the below name	d inventor, I hereby declare that:
This declaration is directed to:	The attached application, or
·	United States application or PCT international application numberfiled on;
The above-identifie	d application was made or authorized to be made by me.
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
1 .	rneys and agents associated with Customer Number 145327 to insert the filing date, application number, it number of the above identified application when known.
1	lge that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by nt of not more than five (5) years, or both.
3-1, Shinchi, Fuchu- NOW, THEREFOR	a Motor Corporation, ("ASSIGNEE"), a Japanese corporation, having its principal place of business at -cho, Aki-gun, Hiroshima 730-8670, Japan, is desirous of acquiring an interest therein; t, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I
right to the above- the entire right, tit	, and transferred, and by these presents do sell, assign, and transfer unto ASSIGNEE, the full and exclusive identified invention in the United States and its territorial possessions and in all foreign countries, and le and interest in and to any and all Letters Patent which may be granted therefor in the United States assessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations reof
I hereby authorize any and all of said	te and request the Patent Office officials in the United States and any and all foreign countries to issue. Letters Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and a sole use of the ASSIGNEE, its successors and assigns.
invention, and testi	that I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said fy in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal tions, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to
ASSIGNEE, make all	rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, to obtain protection for said invention in the United States and in any and all foreign countries.
LEGAL NAME OF IN	VENTOR
Inventor:	y and the second of the second
Signature: <u>Kota</u>	Mackause
***************************************	ATTY DOCKET NO.: MZD193028

PATENT REEL: 050825 FRAME: 0471

Title of

Invention:	ENGINE CONTROL DEVICE	
As the below named	d inventor, I hereby declare that:	
This declaration is directed to:	The attached application, or	
·	United States application or PCT international application numberfiled on;	
The above-identified	d application was made or authorized to be made by me.	
I believe that I am th	ne original inventor or an original joint inventor of a claimed invention in the application.	
l authorize the attorn and attorney docket	neys and agents associated with Customer Number 145327 to insert the filing date, application number number of the above identified application when known.	er,
I hereby acknowledg fine or imprisonment	ge that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 t of not more than five (5) years, or both.	by
NOW, THEREFOR, have sold, assigned, a right to the above-id the entire right, title and its territorial pos and extensions there I hereby authorize any and all of said Le to the same, for the s Further, I agree th invention, and testify and reissue applicatic ASSIGNEE, make all rights.	Motor Corporation, ("ASSIGNEE"), a Japanese corporation, having its principal place of business at the place, the place of business at the place, the place of business at the place, and the place of place of place, the place of place of place, and the place of place, the place of place of place, and transferred, and by these presents do sell, assign, and transfer unto ASSIGNEE, the full and exclusion in the United States and its territorial possessions and in all foreign countries, at and interest in and to any and all Letters Patent which may be granted therefor in the United States and interest in and in any and all foreign countries, and in and to any and all divisions, reissues, continuation of. The place of the Patent Office officials in the United States and any and all foreign countries to issect of the Patent Office officials in the United States and any and all foreign countries to issect of the ASSIGNEE, its successors and assigns. The place of the ASSIGNEE, its successors and assigns. The place of the ASSIGNEE, its successors and assigns. The place of the ASSIGNEE, its successors and assigns. The place of the ASSIGNEE, its successors and assigns. The place of the ASSIGNEE, its successors and assigns. The place of the ASSIGNEE, its successors and assigns. The place of the ASSIGNEE, its successors and assigns. The place of the ASSIGNEE, its successors and assigns. The place of the ASSIGNEE, its successors and assigns. The place of the ASSIGNEE, its successors and assigns, to obtain the United States and in any and all foreign countries.	ve nd es ns ue ue
LEGAL NAME OF INVE	ENTOR	_
	Takeatsu ITO Date: August, 29, 2019	-
Signature: <u>Jake</u>	eateu Sto	
	ATTY DOCKET NO · M7D193028	

PATENT REEL: 050825 FRAME: 047編團

Investigation	ENGINE CONTROL DEVICE	
Invention:	I inventor, I hereby declare that:	
As the pelow haller	a myentor, i hereby decisie dist.	
This declaration is directed to:	The attached application, or	
i.	United States application or PCT International application numberfiled on;	
The above-identified	d application was made or authorized to be made by me.	
I believe that I am th	ne original inventor or an original joint inventor of a claimed invention in the application.	
	neys and agents associated with Customer Number 145327 to insert the filing date, application number, thumber of the above identified application when known.	
	ge that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by It of not more than five (5) years, or both.	
WHEREAS, Mazda Motor Corporation, ("ASSIGNEE"), a Japanese corporation, having its principal place of business at 3-1, Shinchi, Fuchu-cho, Aki-gun, Hiroshima 730-8670, Japan, is desirous of acquiring an interest therein; NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto ASSIGNEE, the full and exclusive right to the above-identified invention in the United States and its territorial possessions and in all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and extensions thereof. I hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and to the same, for the sole use of the ASSIGNEE, its successors and assigns. Further, I agree that I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to ASSIGNEE, make all rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.		
LEGAL NAME OF INV	ENTOR	
Inventor: Tomo	okuni KUSUNOKI Date: September 4, 2019	
Signature: Toma	tani Eusunoti	
	ATTY DOCKET NO - NATD102022	

PATENT REEL: 050825 FRAME: 0473

Invention:	ENGINE CONTROL DEVICE		
	ed inventor, I hereby declare that:		
,			
This declaration is directed to:	The attached application, or		
	United States application or PCT international application numberfiled		
	on		
The above-identifie	ed application was made or authorized to be made by me.		
I believe that I am ti	the original inventor or an original joint inventor of a claimed invention in the application.		
1	and the second s		
	orneys and agents associated with Customer Number 145327 to insert the filing date, application r et number of the above identified application when known.	number,	
I hereby acknowled	dge that any willful false statement made in the above declaration is punishable under 18 U.S.C.	1001 by	
	ent of not more than five (5) years, or both.	,	
	da Motor Corporation, ("ASSIGNEE"), a Japanese corporation, having its principal place of busines	s at	
	r-cho, Aki-gun, Hiroshima 730-8670, Japan, is desirous of acquiring an interest therein; R, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowle	odaod I	
	d, and transferred, and by these presents do sell, assign, and transfer unto ASSIGNEE, the full and e		
right to the above-identified invention in the United States and its territorial possessions and in all foreign countries, and			
the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States			
and its territorial possessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations			
and extensions ther		F	
I hereby authorize	ze and request the Patent Office officials in the United States and any and all foreign countries	to issue	
any and all of said L	any and all of said Letters Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and		
	e sole use of the ASSIGNEE, its successors and assigns.		
	that I will communicate to ASSIGNEE, or its representatives, any facts known to me respect		
	ify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution,		
and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to			
ASSIGNEE, make all rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, to obtain			
and enforce proper-	r protection for said invention in the United States and in any and all foreign countries.		
LEGAL NAME OF INV	VVENTOR		
Inventor:	Keitaro Ezumi Date: Septembor 4, 2019		
Signature: KellW	NO EZWINI		
,	ATTY DOCKET NO.: MZD193028	·	

PATENT REEL: 050825 FRAME: 0474

RECORDED: 10/25/2019