PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5117409

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YASUMASA IMAMURA	07/06/2018
YASUSHI YAGI	07/06/2018
AKIHIRO TATARA	08/27/2018
KEISUKE HARUTA	07/11/2018

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:	16116808

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

ALLEMAN HALL CREASMAN & TUTTLE LLP **Correspondent Name:**

Address Line 1: 900 SW 5TH AVENUE

Address Line 2: **SUITE 2300**

Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:	MZD183028
NAME OF SUBMITTER:	MINH NGO
SIGNATURE:	/Minh Ngo/
DATE SIGNED:	08/29/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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Inte of Invention:	WHEEL LOAD ESTIMATION METHOD FOR FOUR-WHEEL DRIVE VEHICLE	
	l 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	The above-identified 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, and agents 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 at 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 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 relissue 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		
Inventor: Yas	Date: 1. 6. 40(8	
Signature: Jasumasa Umemnta.		
	1	

ATTY DOCKET NO.: MZD183028

Title of Invention:	WHEEL LOAD ESTIMATION METHOD FOR FOUR-WHEEL DRIVE VEHICLE
As the below name	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	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.
I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
3-1, Shinchi, Fuchu-	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; 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
	dentified invention in the United States and its territorial possessions and in all foreign countries, and
	and interest in and to any and all Letters Patent which may be granted therefor in the United States
	ssessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations
and extensions ther	
	and request the Patent Office officials in the United States and any and all foreign countries to issue
*	etters Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and
	sole use of the ASSIGNEE, its successors and assigns.
	that, I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said y in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal
	ions, 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	/ENTOR
Inventor:	<u>Yasushi Yagi</u> Date: 06/07/2018
Signature:	aunsh; Jagi
	ATTY DOCKET NO . NATRAGERO

Title of

Invention:	WHEEL LOAD ESTIMATION WE I NOD FOR FOOR-WITEEL DRIVE VEHICLE
As the below named	inventor, I hereby declare that:
This declaration is directed to:	The attached application, or
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The above-identified	application was made or authorized to be made by me.
I believe that I am th	e original inventor or an original joint inventor of a dalmed invention in the application.
	neys and agents associated with Customer Number 145327 to insert the filing date, application number, number of the above identified application when known.
	te that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by
nne or unpusonmen	t of not more than five (5) years, or both.
3-1, Shinchi, Fuchu-c NOW, THEREFOR, have sold, assigned, a right to the above-ic 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 Further, I agree to invention, and testify and reissue application.	Motor Corporation, ("ASSIGNEE"), a Japanese corporation, having its principal place of business at tho, Aki-gun, Hiroshima 730-8670, Japan, is desirous of acquiring an interest therein; for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I and transferred, and by these presents do sell, assign, and transfer unto ASSIGNEE, the full and exclusive lentified invention in the United States and its territorial possessions and in all foreign countries, and and interest in and to any and all Letters Patent which may be granted therefor in the United States is essions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and request the Patent Office officials in the United States and any and all foreign countries to issue exters Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and sole use of the ASSIGNEE, its successors and assigns. The first interest in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal ons, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to lightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, to obtain
<u>=</u>	protection for said invention in the United States and in any and all foreign countries.
LEGAL NAME OF INV	
Inventor:	atara Akihiro Date: 2018/8/27
Signature: <u>Tatar</u>	a Akihiro
***************************************	ATTY DOCKET NO. MATHERODS

Invention:	WHEEL LOAD ESTIMATION METHOD FOR FOUR-WHEEL DRIVE VEHICLE
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.
`	neys and agents associated with Customer Number 145327 to insert the filing date, application number, t number 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 at of not more than five (5) years, or both.
3-1, Shinchi, Fuchu- NOW, THEREFOR, have sold, assigned, right to the above-i the entire right, title and its territorial po and extensions ther I hereby authorize any and all of said L to the same, for the Further, I agree to invention, and testiff and reissue applicat ASSIGNEE, make all and enforce proper	e and request the Patent Office officials in the United States and any and all foreign countries to issue etters Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and sole use of the ASSIGNEE, its successors and assigns. That I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said by in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal ions, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to 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	/ENTOR
Inventor:	Keisuke Haruta Date: 7/!/ 20/8
Signature: <u> </u>	四分粉
<u>i</u>	ATTY DOCKET NO.: MZD183028

PATENT REEL: 046747 FRAME: 0847

RECORDED: 08/29/2018