503566034 11/12/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT3612661

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NORIHITO IWAO	10/23/2015
TAKAHIRO MATSUI	10/23/2015
KAZUHISA NODA	10/23/2015
KEISUKE NAKAI	10/23/2015

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29545037

CORRESPONDENCE DATA

Fax Number: (703)390-1277

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: 7033909051

Email: info@sbpatentlaw.com

Correspondent Name: STUDEBAKER & BRACKETT PC Address Line 1: 12700 SUNRISE VALLEY DRIVE

Address Line 2: SUITE 102

Address Line 4: RESTON, VIRGINIA 20191

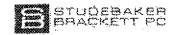
ATTORNEY DOCKET NUMBER:	742421-000490	
NAME OF SUBMITTER:	DONALD R. STUDEBAKER	
SIGNATURE:	/Donald R. Studebaker/	
DATE SIGNED:	11/12/2015	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 8

PATENT 503566034 REEL: 037021 FRAME: 0491

source=DEC_ASGN#page1.tif	
source=DEC_ASGN#page2.tif	
source=DEC_ASGN#page3.tif	
source=DEC_ASGN#page4.tif	
source=DEC_ASGN#page5.tif	
source=DEC_ASGN#page6.tif	
source=DEC_ASGN#page7.tif	
source=DEC_ASGN#page8.tif	

PATENT REEL: 037021 FRAME: 0492

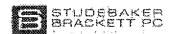


Attorney Docket No.

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Title of Invention:	
Motol	Vehicle
私は、以下に記名された発明者として、ここに下記の通り。 寛言する:	As a below named inventor, I hereby declare that;
本宣言書は、以下の出願に対するものである。	This declaration is directed to:
□ 添付された出額、あるいは、□ 米国出額番号またはPCT国際出額番号は、であり、且つの日に出額された出額(該当する場合)	The attached application, or United States application or PCT international application number
上記出顧書(明細書及び図面)は、私が作成したものか、あるいは私がその作成を許可したものである。	The above-identified application was made or authorized to be made by me.
私は、本米国出額の請求範囲で記載された発明に対 する原発明者であるか、或いは、原共同発明者であ ると信じている。	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
私は、ここでの宣誓または陳述において故意に偽りを述べた場合、合衆国法典第18巻第1001象に基づさ、罰金あるいは5年以下の懲役、または、両方の懲罰を受けることを認める。	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.



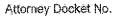


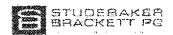
WHEREAS Norihito IWA	n :	
hereinafter referred to as the assignor, has invented a	certain improvement relating to:	
Motor Vehicle		
The inventor declaration for said application is combin	ed herewith.	
[] said application to be filed in the United States Pa	tent and Trademark Office;	
[] said application having been filed in the United State authorization being hereby given to the practitione CUSTOMER NUMBER 78198, to insert here in pare application serial number of said application when known	rs associated with <u>STUDEBAKER & BRACKETT PC's</u> ntheses (Application Serial No) the	
[] said application having been filed under the Patent Serial No, the United S	Cooperation Treaty on, as tates of America being designated.	
desirous of acquiring the entire right, title and interest	a. Japan , hereinafter referred to as the assignee, is in and to said application, including any and all divisions and any arid all patents which may be granted therefor,	
NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.		
AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.		
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Lefters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.		
The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.		
This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.		
発明者氏名	Legal Name of Inventor	
	Norihito IWAO	
妄明者の著名 日付	Signature Date Oct. 23. 2015	



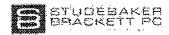
COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

And the second s	
Title of Invention:	
Moto	r Vehicle
私は、以下に記名された発明者として、ここに下記の通り 宣言する:	As a below named inventor, I hereby declare that:
本宣言書は、以下の出願に対するものである:	This declaration is directed to:
□ 添付された出願、あるいは、 □ 米国出願番号またはPCT国際出願書号は、 であり、且つ の日に出願された出願(該当する 場合)	The attached application, or United States application or PCT international application number filed on
上記出顕書(明細書及び図面)は、私が作成したものか、あるいは私がその作成を許可したものである。	The above-identified application was made or authorized to be made by me.
私は、本米国出願の請求範囲で記載された発明に対 する原発明者であるか、或いは、原共同発明者であ ると信じている。	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
私は、ここでの宣誓または陳述において故意に傷りを述べた場合、合衆国法典第18巻第1001条に基づき、罰金あるいは5年以下の懲役、または、両方の懲罰を受けることを認める。	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.



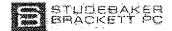


WHEREAS Takahiro MATSUI		
hereinafter referred to as the assignor, has invented a certain improvement relating to:		
Motor Vehicle		
The inventor declaration for said application is combin	ed herewith.	
[] said application to be filed in the United States Pat	ent and Trademark Office;	
[] said application having been filed in the United Sta authorization being hereby given to the practitioner CUSTOMER NUMBER 78198, to insert here in parer application serial number of said application when known	s associated with <u>STUDEBAKER & BRACKETT PC's</u> htheses (Application Serial No) the	
[] said application having been filed under the Patent Serial No, the United S	Cooperation Treaty on, as lates of America being designated.	
AND WHEREAS Mazda Motor Corporation of No. 3-1, Shinchi, Fuchu-cho, Akl-qun, Hiroshima, Japan, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof.		
NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns; in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.		
AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.		
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.		
The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.		
This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.		
発明者长名	Legal Name of Inventor Takahiro MATSUI	
three than the	Signature Date	
発明者の書名 日付	Rip 資光 00+, 23, 2014	



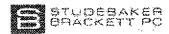
COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Title of Invention:		
Motor Vehicle		
私は、以下に記名された発明者として、ここに下記の通り 宣言する:	As a below named inventor, I hereby declare that:	
本宣言書は、以下の出願に対するものである。	This-declaration is directed to:	
□ 添付された出類、あるいは、 □ 米国出願番号またはPCT国際出願番号は、 であり、亘つ の日に出類された出類(該当する場合)	The attached application, or United States application or PCT international application number	
上記出類書(明細書及び図面)は、私が作成したものか、あるいは私がその作成を許可したものである。	The above-identified application was made or authorized to be made by me.	
私は、本米国出願の請求範囲で記載された発明に対 する原発明者であるか、或いは、原共同発明者であ ると信じている。	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
私は、ここでの宣誓または陳速において故意に傷物を述べた場合、合衆国法典第18巻第1001条に基づき、罰金あるいは5年以下の懲役、または、両方の窓罰を受けることを認める。	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	



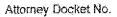
Attorney Docket No.

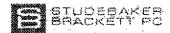
	·	
WHEREAS Kazuhisa NODA	andala luman mana rabitina ba	
hereinafter referred to as the assignor, has invented a certain improvement relating to:		
Motor Vehicle	···	
The inventor declaration for said application is combin	ed herewith.	
[] said application to be filed in the United States Pa	tent and Trademark Office;	
[] said application having been filed in the United Sta authorization being hereby given to the practitioner CUSTOMER NUMBER 78198, to insert here in pare application serial number of said application when known	rs associated with <u>STUDEBAKER & BRACKETT PC's</u> intheses (Application Serial No) the	
[] said application having been filed under the Patent Serial No, the United S	Cooperation Treaty on, as lates of América being designated.	
AND WHEREAS Mazda Motor Corporation of No. 3-1. Shinchi, Fuchu-cho, Aki-gun, Hiroshima, Japan, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof.		
NOW, that for and in consideration of One Dellar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.		
AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.		
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.		
The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.		
This combined Declaration and Assignment opposite the undersigned name.	has been executed by the undersigned on the date	
	Legal Name of Inventor	
	Kazuhisa NODA	
発明者の署名 ・ 日付	Storiation Date OCT 23,2015	



COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Tisla of Inventions	A STATE OF THE STA	
Title of Invention:		
Motor Vehicle		
私は、以下に記名された発明者として、ここに下記の通り 宣言する:	As a below named inventor, I hereby declare that:	
本宣言書は、以下の由願に対するものである:	This declaration is directed to:	
□ 添付された出願、あるいは、 □ 米国出願書号またはPCT国際出願書号は、 であり、且つ の日に出願された出願(該当する 場合)	The attached application, or United States application or PCT international application number	
上記出願者(明知書及び図面)は、私が作成したものか、あるいは私がその作成を許可したものである。	The above-identified application was made or authorized to be made by me.	
私は、本米国出願の請求範囲で記載された発明に対 する原発明者であるか、或いは、原共同発明者であ ると信じている。	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
私は、こでの宣誓または陳述において故意に借りを述べた場合、合衆国法典第18巻第1001条に基づた、罰金あるいは5年以下の整役、または、両方の整罰を受けることを認める。	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	





WHEREAS	Keisuke NAI	KAI .
hereinafter referred to as the	assignor, has invente	d a certain improvement relating to:
Motor Vehicle		MANAGE 1-13
The inventor declaration for s	aid application is com	bined herewith.
[] said application to be filed in the United States Patent and Trademark Office;		
authorization being hereby	given to the practitions, to insert here in pa	States Patent and Trademark Office on, ners associated with STUDEBAKER & BRACKETT PC's arentheses (Application Serial No) the known;
[] said application having bed Serial No.	en filed under the Pate	ent Cooperation Treaty on, as d States of America being designated.
of No. 3-1, Shinchi, Fuchu desirous of acquiring the entir	e right, title and intere I in and to said invent	nima. Japan , hereinafter referred to as the assignee, is set in and to said application, including any and all divisions ion and any and all patents which may be granted therefor,
paid by said assignee to said assigns, sells and transfers exclusive right, title and intenthereof, and in and to said invall renewals, reissues and proto have, hold, exercise and en and the said invention and an reissues and prolongations throm or appertaining thereto, including any and all renewal and said assignee's successor	I assignor, the receip to said assignee, an est in and to said appendion and any and allongations thereof; said application and all patents which are and all the right for and during the test, relessues and prolongs and assigns, in as	Dollar (\$1.00), and other good and valuable consideration of of which is hereby acknowledged, said assignor hereby ad said assigner's successors and assigns, the full and olication, including any and all divisions and continuations I patents which may be granted therefor, including any and aid assignee, and said assignee's successors and assigns, in, including any and all divisions and continuations thereof, the may be granted therefor, including any and all renewals, this, powers, privileges and advantages in anywise arising erm or terms of any and all such patents when granted, angations thereof, for the use and benefit of said assignee, ample and beneficial a manner as the said assignor might signment had not been made.
AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.		
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.		
The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.		
This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.		
影明書		Legal Name of Inventor ,
		Keisuke NAKA
発明者の署名 (î M	Signature Date 00 123, 2015

8/8