505580707 07/19/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5627506

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKAYOSHI FUJITA	06/18/2019
TAKAFUMI NISHIO	06/19/2019
KOUICHI MIYAMOTO	06/18/2019
TATSUYA TAKAHATA	06/19/2019
YASUSHI NAKAHARA	06/18/2019
AKIHIRO NODA	06/25/2019

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:	16479451

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: martin@allemanhall.com

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

Address Line 1: 900 SW 5TH AVENUE SUITE 2300

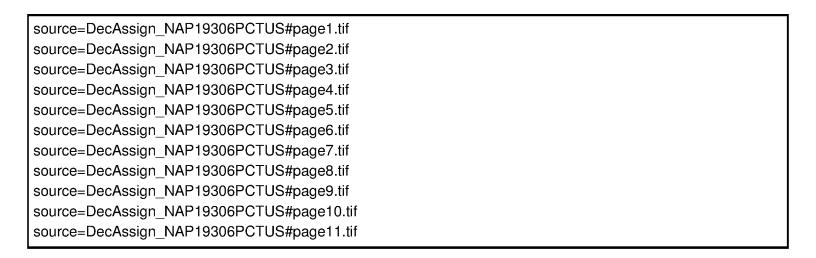
Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:	NAP19306PCTUS
NAME OF SUBMITTER:	KYOKO MARTIN
SIGNATURE:	/Kyoko Martin/
DATE SIGNED:	07/19/2019

Total Attachments: 11

PATENT REEL: 049804 FRAME: 0199

505580707



Title of Invention:	Engine cooling apparatus
	l inventor, I hereby declare that:
AS DIC DCIOW (IB)(IC)	anventor, the boy becare trat
This declaration is directed to:	The attached application; or
	☐ United States application or PCT international application number PCT/JP2018/006253 filed on February 21, 2018;
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, 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-ic entire right, title anterritorial possessio extensions thereof. I hereby authorize and all of said Lette same, for the sole unfurther, I agreed invention, and test renewal and reissued to ASSIGNEE, to obtain and enforce.	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; 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 dentified invention in the United States and its territorial possessions and in all foreign countries, and the dinterest in and to any and all Letters Patent which may be granted therefor in the United States and its ins and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and and request the Patent Office officials in the United States and any and all foreign countries to issue any is Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and to the se of the ASSIGNEE, its successors and assigns. That I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said ify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be make all rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, the proper protection for said invention in the United States and in any and all foreign countries.
LEGAL NAME OF IN	
Inventor: Takayosh	
Signature: <u>Taka</u>	yoshi. Fujita
	ATTY DOCKET NO.: NAP19306PCTUS

LEGAL NAME OF INVENTOR		
Inventor: Takafumi NISHIO	Date:	
Signature:	-	
LEGAL NAME OF INVENTOR		
Inventor: Kouichi MIYAMOTO	Date:	_
Signature:	-	
LEGAL NAME OF INVENTOR		
Inventor: Tatsuya TAKAHATA	Date:	-
Signature:	-	
LEGAL NAME OF INVENTOR		
Inventor: Yasushi NAKAHARA	_ Date:	
Signature:		
LEGAL NAME OF INVENTOR		
Inventor: Akihiro NODA D	ate:	
Signature:		

Title of Invention:	Engine cooling apparatus	
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 number PCT/JP2018/006253 filed on February 21 , 2018;	
The above-identifie	d application was made or authorized to be made by me.	
I believe that I am I	he original inventor or an original joint inventor of a claimed invention in the application.	
	rneys and agents associated with Customer Number 145327 to insert the filing date, application number, t number of the above identified application when known.	
	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 have sold, assigned right to the above-entire right, title arterritorial possessie extensions thereof. I hereby authoriz and all of said Lette same, for the sole of Further, I agree invention, and tes renewal and reissue to ASSIGNES to obtain and enforce	e and request the Patent Office officials in the United States and any and all foreign countries to issue any are Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and to the ise of the ASSIGNEE, its successors and assigns. that I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said tify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, e applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be, make all rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, ce proper protection for said invention in the United States and in any and all foreign countries.	
LEGAL NAME OF IN	VENTOR	
Inventor: Takayosh	i FUJITA Date:	
Signature:		
	ATTY DOCKET NO.: NAP19306PCTUS	

LEGAL NAME OF INVENTOR	
Inventor: Takafumi NISHIO	Date:
Signature: <u>Likafuni Nishio</u>	
LEGAL NAME OF INVENTOR	
Inventor: Kouichi MIYAMOTO	Date:
Signature:	-
LEGAL NAME OF INVENTOR	
Inventor: Tatsuya TAKAHATA	Date:
Signature:	_
LEGAL NAME OF INVENTOR	
Inventor: Yasushi NAKAHARA	Date:
Signature:	-
LEGAL NAME OF INVENTOR	
Inventor: Akihiro NODA D	Pate:
Signature:	-

Title of Invention:	Engine cooling apparatus	
	d inventor, I hereby declare that:	
This declaration is directed to:	The attached application, or	·
	United States application or February 21, 2018:	PCT international application number PCT/JP2018/006253 filed on
The above-identifie	ed application was made or author	ized 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 It number of the above identified a	Customer Number 145327 to insert the filing date, application number, application when known.
1		at made in the above declaration is punishable under 18 U.S.C. 1001 by 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 IN	VENTOR	
Inventor: <u>Takavosh</u>	ni FUIITA Date:	
Signature:	-	
l		ATTY DOCKET NO.; NAP19306PCTUS

LEGAL NAME OF INVENTOR	
Inventor: Takafumi NISHIO	
Signature:	-
LEGAL NAME OF INVENTOR	4
Inventor: Kouichi MIYAMOTO	Date:
Signature: Kouichi Miyan	wts_
LEGAL NAME OF INVENTOR	
Inventor: Tatsuva TAKAHATA	Date:
Signature:	•
LEGAL NAME OF INVENTOR	
Inventor: Yasushi NAKAHARA	Date:
Signature:	7
LEGAL NAME OF INVENTOR	
Inventor: Akihiro NODA D	Date:
Signature:	•
1	

Inte of	Engine cooling apparatus
Invention:	l d inventor, i hereby declare that:
As the below hather	aniventor, mereby declare that.
This declaration is directed to:	The attached application, or
	United States application or PCT international application number PCT/IP2018/606253 filed on February 21, 2018:
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.
Lauthorize the atto	rneys and agents associated with Customer Number 145327 to insert the filing date, application number,
	t number of the above identified application when known.
	ige 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-li- entire right, title an territorial possession extensions thereof. I hereby authorize and all of said Lette same, for the sole of Further, I agree invention, and test renewal and reissur issued to ASSIGNEE to obtain and enfor	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;, 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 dentified invention in the United States and its territorial possessions and in all foreign countries, and the dinterest in and to any and all Letters Patent which may be granted therefor in the United States and its and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and and request the Patent Office officials in the United States and any and all foreign countries to issue any repatent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and to the see of the ASSIGNEE, its successors and assigns. That I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said city in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be, make all rightful oaths and generally do everything possible to aid ASSIGNEE, its successors and assigns, ce proper protection for said invention in the United States and in any and all foreign countries.
LEGAL NAME OF IN	VENTOR
Inventor: <u>Takayosh</u>	<u>i FUJITA</u> Date:
Signature:	
<u> </u>	NAP19306PCTUS

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Separation Yearsh

\$25,000 Action

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

Title of Invention:	Engine cooling apparatus	<u></u> ,	Signature:
As the below name	As the below named inventor, I hereby declare that:		LEGAL NAME OF INVENTOR
This declaration is directed to:	The attached application, or		Inventor: <u>Kouichi MiyAMOT</u>
	X United States application or PCT international application number <u>PCT/IP2018/006253</u> filed on <u>Estimany 21, 2018</u> .		Signature:
The above-identifie	The above-teentified application was made or authorized to be made by me.		LCOAL WANTE OF INVERSION INVERSION INVENTOR: Inventor: Intsuva IAKAHAIA
I believe that I am ti	beliave that I am the original inventor or an original joint inventor of a claimed invention in the application.		Signature:
l authorize the atto and attorney dockel	I authorize the attorneys and agents associated with Customer Number 145327 to insert the filing date, application number, and attorney docket number of the above identified application when known.	J	LEGAL NAME OF INVENTOR Inventor: Yasushi NAKAHARA
I hereby acknowled fine or imprisonmer	Thereby 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.		Signature: Grocushir No
WHEREAS, MAZD	WHEREAS, MAZDA MOTOR CORPORATION, ("ASSIGNEE"), a Japanese corporation, having its principal place of business at Stringhi Enghuschi Asianin Hinchima 230,8570 Janan is desirante of accounting an integer therein.		LEGAL NAME OF INVENTOR INVENTOR: Akihiro NOBA
NOW, THEREFOR	NOW, THEREOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have soid, assigned and transferred, and but these presents do self, assign, and transfer the full and exclusive		Signature:
right to the above-ie	right to the above-identified invention in the United States and its territorial possessions and in all foreign countries, and the		
entire right, title an territorial possessio	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.			
! hereby authorize	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 Lette same, for the sole p	and all of said Letters Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and to the isame, for the sole use of the ASSIGNEE its successors and assiens.		
Further, 1 agree	Further, I agree that I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said		

June. 18. 2019 Date: Date: Date: Date: skations LEGAL NAME OF INVENTOR Inventor: Takafumi NISHIO

LEGAL NAME OF INVENTOR

LINEATOR: TAKANOSHI FUJITA

Signature:

Date:

ATTY DOCKET NO.: NAP19306PCTUS

REEL: 049804 FRAME: 0209

renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, 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.

Title of Invention:	Engine cooling apparatus
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This declaration is directed to:	The attached application, or
	United States application or PCT international application number PCT/JP2018/006253 filed on February 21, 2018;
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and all of said Lette same, for the sole u Further, I agree invention, and test renewal and reissu issued to ASSIGNEE	te and request the Patent Office officials in the United States and any and all foreign countries to issue any ers Patent, when granted, to ASSIGNEE, as the ASSIGNEE of my entire right, title and interest in and to the use of the ASSIGNEE, its successors and assigns. that I will communicate to ASSIGNEE, or its representatives, any facts known to me respecting said tify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution to applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be application on the United States and in any and all foreign countries.
LEGAL NAME OF IN	VENTOR
Inventor: Takayosh	<u>ní FUJITA</u> Date:
Signature:	
ł	ATTY BOCKET NO.: NAP19306PCTUS

LEGAL NAME OF INVENTOR	,		
Inventor: Takafumi NISHIO	Date:		
Signature:			
LEGAL NAME OF INVENTOR	······································		
Inventor: Koulchi MIYAMOTO	Date:		
Signature:	<u>s.</u>	•	
LEGAL NAME OF INVENTOR			
Inventor: Tatsuva TAKAHATA	Date:		
Signature:			3
LEGAL NAME OF INVENTOR			
Inventor: Yasushi NAKAHARA	Date:		
Signature:			
LEGAL NAME OF INVENTOR	·····		
Inventor: Akihiro NODA	Date: Jun	<u>e 25. 2019</u>	
Signature: <u>Akihiro Noo</u>		·	

PATENT REEL: 049804 FRAME: 0211

RECORDED: 07/19/2019