505906116 02/07/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5952833

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WOLFGANG BRACK	01/08/2020
ALEXANDER HIERETH	01/07/2020
TIMO KLEES	01/24/2020
LUKAS SCHAEFER	01/07/2020
FLORIAN SCHWARZMUELLER	01/09/2020
DOMINIK SUCKART	01/07/2020

RECEIVING PARTY DATA

Name:	BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT
Street Address:	PETUELRING 130
City:	MUENCHEN
State/Country:	GERMANY
Postal Code:	80809

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16784710

CORRESPONDENCE DATA

Fax Number: (202)628-8844

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: 2026242500

edocket@crowell.com, nbrown@crowell.com Email:

CROWELL & MORING LLP Correspondent Name:

Address Line 1: P.O. BOX 14300

Address Line 4: WASHINGTON, D.C. 20044-4300

ATTORNEY DOCKET NUMBER:	080437.PC835US
NAME OF SUBMITTER:	JEFFREY D. SANOK
SIGNATURE:	/Jeffrey D. Sanok/
DATE SIGNED:	02/07/2020

Total Attachments: 6

PATENT REEL: 051754 FRAME: 0346

505906116

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PATENT REEL: 051754 FRAME: 0347

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention:	nternal Combustion Engine	
the application ide	aration are directed to (check one): ntified above by the attorney docket no. and title of invention Application Number	18
	ASSIGNMENT	
	nsideration, the receipt and sufficiency of which are hereby a ave sold and assigned, and by these presents hereby sell and	
Name of Assignee: I	sayerische Motoren Werke Aktiengesellschaft	*
Address of Assignee: I	etuelring 130, Muenchen 80809, GERMANY	
and to the above-identifie continuations thereof, and such application or for sai enjoyed by said ASSIGNI	all my right, title and interest for the United States, its territo d invention and United States patent application, including at in and to any and all Letters Patent of the United States whi d invention, including any and all reissues or extensions ther EE, its successors or assigns to the full end of the term or ten e granted as fully and entirely as would have been held and ele.	ny and all divisions or ch may issue on any reof, to be held and ms for which any and all
	quest the Director of the U.S. Patent and Trademark Office to iIGNEE, its successors or assigns in accordance herewith.	issue any and all such
	at I have the full and unencumbered right to sell and assign the sell and assign to not executed and will not execute any document or instru-	
or assigns all information and deliver any papers, m acts deemed necessary or perfect title to said inventi all Letters Patent which m ASSIGNEE, its successor	ee that I will communicate to said ASSIGNEE, its successor known to me relating to said invention or patent application ake all rightful oaths, testify in any legal proceedings and perdesirable by said ASSIGNEE, its successors, legal representation, to said application including divisions and continuations any be granted therefor or thereon, including reissues or exters or assigns, or to assist said ASSIGNEE, its successors, legal using or enforcing Letters Patent of the United States for said	and that I will execute rform all other lawful atives or assigns to thereof and to any and asions, in said al representatives or
	<u>DECLARATION</u>	
As a below named inventor	or, I hereby declare that:	
The above-identified appl	ication was made or authorized to be made by me.	
I believe that I am the original	ginal inventor or an original joint inventor of a claimed inven	tion in the application.
	t any willful false statement made in this declaration is punishent of not more than five (5) years, or both.	hable under 18 U.S.C.
Signature:	og BRACK	D&. 04. 201. Date

PATENT REEL: 051754 FRAME: 0348

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

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This assignment and declaration are directed to (check	one);				
the application identified above by the attorney	docket no	o. and	title of	inventic	m
PCT International Application Number			j		
United States Application No.		led			,,,,,,,,

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

Name of Assignee: Bayerische Motoren Werke Aktiengesellschaft Address of Assignee: Petuelring 130, Muenchen 80809, GERMANY

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith.

I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.

DECLARATION

As a below named inventor, I hereby declare that:

The above-identified 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 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.

Signature: Inventor:

Alexander HIERETH

7.01.2020

DATE

Signature: Inventor:

Timo KLÉES

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention:	Internal Combustion Engine
the application i	claration are directed to (check one): dentified above by the attorney docket no. and title of invention al Application Number, filed pplication No, filed
	ASSIGNMENT
	consideration, the receipt and sufficiency of which are hereby acknowledged, as a have sold and assigned, and by these presents hereby sell and assign, unto:
Name of Assignee:	Bayerische Motoren Werke Aktiengesellschaft
Address of Assignee:	Petuelring 130, Muenchen 80809, GERMANY
and to the above-identif continuations thereof, a such application or for enjoyed by said ASSIG	E) all my right, title and interest for the United States, its territories and possessions in fied invention and United States patent application, including any and all divisions or and in and to any and all Letters Patent of the United States which may issue on any said invention, including any and all reissues or extensions thereof, to be held and NEE, its successors or assigns to the full end of the term or terms for which any and all be granted as fully and entirely as would have been held and enjoyed by me had this ade.
	equest the Director of the U.S. Patent and Trademark Office to issue any and all such SSIGNEE, its successors or assigns in accordance herewith.
	that I have the full and unencumbered right to sell and assign the interests herein sold have not executed and will not execute any document or instrument in conflict
or assigns all informatic and deliver any papers, acts deemed necessary of perfect title to said inve- all Letters Patent which ASSIGNEE, its success	gree that I will communicate to said ASSIGNEE, its successors, legal representatives in known to me relating to said invention or patent application and that I will execute make all rightful oaths, testify in any legal proceedings and perform all other lawful or desirable by said ASSIGNEE, its successors, legal representatives or assigns to action, to said application including divisions and continuations thereof and to any and may be granted therefor or thereon, including reissues or extensions, in said ors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or essuing or enforcing Letters Patent of the United States for said invention.
	DECLARATION
As a below named inver	ntor, I hereby declare that:
The above-identified ap	plication was made or authorized to be made by me.
I believe that I am the or	riginal inventor or an original joint inventor of a claimed invention in the application.
	nat any willful false statement made in this declaration is punishable under 18 U.S.C. unent of not more than five (5) years, or both.

PATENT REEL: 051754 FRAME: 0350

DATE

2401.00

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

Title of Invention: Internal Combustion Engine	
This assignment and declaration are directed to (check	docket no. and title of invention , filed
	MENT
For good and valuable consideration, the receipt and su below named inventor I have sold and assigned, and by	fficiency of which are hereby acknowledged, as a these presents hereby sell and assign, unto:
Name of Assignee: Bayerische Motoren Werke	Aktiengesellschaft
Address of Assignee: Petuelring 130, Muenchen 86	809, GERMANY
(hereinafter ASSIGNEE) all my right, title and interest and to the above-identified invention and United States continuations thereof, and in and to any and all Letters such application or for said invention, including any an enjoyed by said ASSIGNEE, its successors or assigns to such Letters Patent may be granted as fully and entirely Assignment not been made.	patent application, including any and all divisions or Patent of the United States which may issue on any d all reissues or extensions thereof, to be held and the full end of the term or terms for which any and all
I hereby authorize and request the Director of the U.S. I Letters Patent to said ASSIGNEE, its successors or assi	Patent and Trademark Office to issue any and all such gns in accordance herewith.
I warrant and covenant that I have the full and unencum and assigned and that I have not executed and will not e herewith.	bered right to sell and assign the interests herein sold execute any document or instrument in conflict
I further covenant and agree that I will communicate to or assigns all information known to me relating to said and deliver any papers, make all rightful oaths, testify it acts deemed necessary or desirable by said ASSIGNEE perfect title to said invention, to said application includi all Letters Patent which may be granted therefor or then ASSIGNEE, its successors or assigns, or to assist said A assigns in obtaining, reissuing or enforcing Letters Pater	invention or patent application and that I will execute any legal proceedings and perform all other lawful its successors, legal representatives or assigns to ng divisions and continuations thereof and to any and con, including reissues or extensions, in said assigned.
DECLA	RATION NOTES
As a below named inventor, I hereby declare that:	
The above-identified application was made or authorize	d to be made by me.
I believe that I am the original inventor or an original jo	int inventor of a claimed invention in the application.
1 hereby acknowledge that any willful false statement m 1001 by fine or imprisonment of not more than five (5) Signature:	ade in this declaration is punishable under 18 U.S.C. years, or both.
Inventor: Lukas SCHAEFER	DATE

PATENT REEL: 051754 FRAME: 0351

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

This a	ssignment and declaration are directed to (che-	ck one):
	the application identified above by the attorne	by docket no. and title of invention
	PCT International Application Number	, filed
	United States Application No.	. filed

Internal Combustion Engine

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

Name of Assignee:

Title of Invention:

Bayerische Motoren Werke Aktiengesellschaft

Address of Assignce: Petuelring 130, Muenchen 80809, GERMANY

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith.

I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.

DECLARATION

As a below named inventor, I hereby declare that:

The above-identified 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 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.

Signature: Inventor:

<u>03.0/.2020</u> DATE

Title of Invention:

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

This assignment and declaration are directed to (check one);	
the application identified above by the at	tomey docket no. and title of invention
PCT International Application Number	, filed
Dinitari States Application No.	en-x

Internal Combustion Engine

ASSIGNMENT

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Name of Assignee: Bayerische Motoren Werke Aktiengesellschaft

Address of Assignee: Petuelring 130, Muenchen 80809, GERMANY

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

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Signature: Inventor:

Baninik CHCK'ADT

04. NV. ZVVO

DATE

PATENT REEL: 051754 FRAME: 0353

RECORDED: 02/07/2020