PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5148822

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
OLIVER KRAUSE	09/02/2018
MATTHIAS KLINGNER	09/12/2018
MICHAEL PESCHEL	09/12/2018
TOBIAS SCHOEFBERGER	09/12/2018
PHILIPP ADAMCZYK	09/12/2018

RECEIVING PARTY DATA

Name:	KNORR-BREMSE SYSTEME FUER NUTZFAHRZEUGE GMBH
Street Address:	MOOSACHER STR. 80
City:	MUENCHEN
State/Country:	GERMANY
Postal Code:	80809

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15948440

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

Email: ehorne@crowell.com

Correspondent Name: CROWELL & MORING LLP

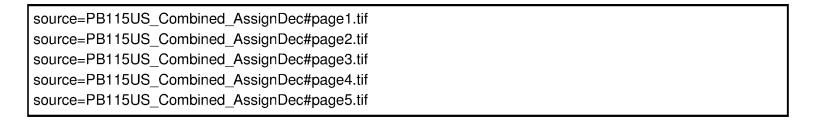
Address Line 1: P.O. BOX 14300

Address Line 4: WASHINGTON, D.C. 20011-4300

	This document serves as an Oath/Declaration (37 CFR 1.63).	
	This decument coruse as an Oath/Declaration (27 CED 1 62)	
DATE SIGNED: 09/19/2018		
SIGNATURE:	/Mark H. Neblett/	
NAME OF SUBMITTER: MARK H. NEBLETT, REG. NO. 42,028		
ATTORNEY DOCKET NUMBER:	037068.PB115US	

Total Attachments: 5

PATENT REEL: 046914 FRAME: 0813



PATENT REEL: 046914 FRAME: 0814

Oliver KRAUSE

Inventor:

U.S. Rights

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

(For Use with Signed Application Data Sheet)

Title of Invention:	Disc Brake for a Utility Vehicle, and	Brake Pad Set	
This assignment and declaration are directed to (check one): the application identified above by the attorney docket no. and title of invention PCT International Application Number			
	<u>ASSIGNME</u>	<u>NT</u>	
	consideration, the receipt and sufficiency have sold and assigned, and by these p	cy of which are hereby acknowledged, as a presents hereby sell and assign, unto:	
Name of Assignee:	KNORR-BREMSE Systeme fuer N	utzfahrzeuge GmbH	
Address of Assignee:	Moosacher Str. 80, Muenchen 8080	9, 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.			
	equest the Director of the U.S. Patent is SSIGNEE, its successors or assigns in	and Trademark Office to issue any and all such 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 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 o	riginal inventor or an original joint inv	entor 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:	Oslama	1.9.18	

PATENT REEL: 046914 FRAME: 0815

DATE

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

(For Use with Signed Application Data Sheet)

Title of Invention:	of Invention: Disc Brake for a Utility Vehicle, and Brake Pad Set		
the application i PCT Internation	claration are directed to (check one): dentified above by the attorney docket no. and title of i al Application Number		
	ASSIGNMENT		
	consideration, the receipt and sufficiency of which are less that the sold and assigned, and by these presents hereby		
Name of Assignee:	KNORR-BREMSE Systeme fuer Nutzfahrzeuge G	mbH	
Address of Assignee:	Moosacher Str. 80, Muenchen 80809, GERMANY		
and to the above-identificontinuations thereof, a such application or for enjoyed by said ASSIG	E) all my right, title and interest for the United States, in fied invention and United States patent application, including and to any and all Letters Patent of the United States invention, including any and all reissues or extensi NEE, its successors or assigns to the full end of the tend be granted as fully and entirely as would have been heads.	luding any and all divisions or ates which may issue on any ions thereof, to be held and an or terms for which any and all	
	request the Director of the U.S. Patent and Trademark (SSIGNEE, its successors or assigns in accordance here		
	that I have the full and unencumbered right to sell and have not executed and will not execute any document of		
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.			
	<u>DECLARATION</u>		
As a below named inve	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 o	riginal inventor or an original joint inventor of a claim	ed invention in the application.	
	hat any willful false statement made in this declaration nment of not more than five (5) years, or both.	is punishable under 18 U.S.C.	
Signature: // Inventor: Matthi	L Cling as KLINGNER	12.05 6018 DATE	

PATENT REEL: 046914 FRAME: 0816

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

(For Use with Signed Application Data Sheet)

Title of Invention:	Disc Brake for a Utility Vehicle, and Brak	e Pad Set
☐ the application in PCT Internation	claration are directed to (check one): dentified above by the attorney docket no. a al Application Number	iled
	<u>ASSIGNMENT</u>	
	consideration, the receipt and sufficiency of I have sold and assigned, and by these prese	
Name of Assignee:	KNORR-BREMSE Systeme fuer Nutzfa	hrzeuge GmbH
Address of Assignee:	Moosacher Str. 80, Muenchen 80809, Gl	ERMANY
and to the above-identificontinuations thereof, a such application or for a enjoyed by said ASSIG	E) all my right, title and interest for the Unit fied invention and United States patent applied in and to any and all Letters Patent of the said invention, including any and all reissue NEE, its successors or assigns to the full end be granted as fully and entirely as would hade.	ication, including any and all divisions or e United States which may issue on any s or extensions thereof, to be held and d of the term or terms for which any and all
	request the Director of the U.S. Patent and T SSIGNEE, its successors or assigns in accor	
	that I have the full and unencumbered right have not executed and will not execute any	
or assigns all informatic and deliver any papers, acts deemed necessary operfect title to said inve- all Letters Patent which ASSIGNEE, its success	agree that I will communicate to said ASSIG on known to me relating to said invention or make all rightful oaths, testify in any legal p or desirable by said ASSIGNEE, its success ntion, to said application including divisions may be granted therefor or thereon, includi- ors or assigns, or to assist said ASSIGNEE, ssuing or enforcing Letters Patent of the Un	patent application and that I will execute proceedings and perform all other lawful ors, legal representatives or assigns to s and continuations thereof and to any and ng reissues or extensions, in said its successors, legal representatives or
	DECLARATION	
As a below named inver	ntor, I hereby declare that:	
The above-identified ap	plication was made or authorized to be mad	e by me.
I believe that I am the o	riginal inventor or an original joint inventor	of a claimed invention in the application.
	hat any willful false statement made in this onment of not more than five (5) years, or bo	
Signature: Wishes	le hat for del	12,04, N

Title of Invention:

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

(For Use with Signed Application Data Sheet)

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Disc Ballo In a Colley Volice	iv, and Drake Lad Oct
assignment and declaration are directed to (check	
the application identified above by the attorney	docket no. and title of invention
PCT International Application Number	, filed
United States Application No. 15/948,440, file	

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: KNORR-BREMSE Systems fuer Nutzfahrzeuge GmbH Address of Assignee: Moosacher Str. 80, 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:

Tobias SCHOEFBERGER

11-03-2008 DATE

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

(For Use with Signed Application Data Sheet)

Title of Invention:	tle of Invention: Disc Brake for a Utility Vehicle, and Brake Pad Set	
the application i	claration are directed to (check one): dentified above by the attorney docke al Application Number oplication No. 15/948,440, filed Apri	, filed
	ASSIGNME	<u>NT</u>
		ncy of which are hereby acknowledged, as a presents hereby sell and assign, unto:
Name of Assignce:	KNORR-BREMSE Systeme fuer	Nutzfahrzeuge GmbH
Address of Assignee:	Moosacher Str. 80, Muenchen 808	09, GERMANY
and to the above-identif continuations thereof, a such application or for enjoyed by said ASSIG	fied invention and United States paten nd in and to any and all Letters Patent said invention, including any and all r NEE, its successors or assigns to the f be granted as fully and entirely as we	e United States, its territories and possessions in tapplication, including any and all divisions or of the United States which may issue on any eissues or extensions thereof, to be held and full end of the term or terms for which any and all ould have been held and enjoyed by me had this
	equest the Director of the U.S. Patent SSIGNEE, its successors or assigns in	and Trademark Office to issue any and all such accordance herewith.
		right to sell and assign the interests herein sold e any document or instrument in conflict
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.		
	DECLARAT	<u>ION</u>
As a below named inver	ntor, I hereby declare that:	
The above-identified ap	plication was made or authorized to b	e made by me.
I believe that I am the o	riginal inventor or an original joint in	ventor of a claimed invention in the application.
	nat any willful false statement made in nment of not more than five (5) years,	n this declaration is punishable under 18 U.S.C. or both.
Signature: // Inventor: Philipp	Z/	12.03.2018 DATE

PATENT REEL: 046914 FRAME: 0819

RECORDED: 09/19/2018

Inventor: