505450998 04/29/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5497799

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOBIAS FISCHL	02/07/2019
WOLFGANG PRITZ	02/01/2019
ANDREAS PETSCHKE	03/13/2019
JOSEF SCHROPP	02/01/2019
JULIAN CATO DAHLENBURG	02/21/2019
MARKUS BARTEL	04/26/2019

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:	16196951	

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: 2025088951

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

CROWELL & MORING LLP Correspondent Name:

Address Line 1: P.O. BOX 14300

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

ATTORNEY DOCKET NUMBER:	037068.PB774US
NAME OF SUBMITTER:	JEFFREY D. SANOK
SIGNATURE:	/Jeffrey D. Sanok/
DATE SIGNED:	04/29/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 049024 FRAME: 0274

505450998

Total Attachments: 6 source=PB774US_Combined_AssignDec#page1.tif source=PB774US_Combined_AssignDec#page2.tif source=PB774US_Combined_AssignDec#page3.tif source=PB774US_Combined_AssignDec#page4.tif

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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, Brake Pad and Brake Pad	Set
the application ide	aration are directed to (check one): ntified above by the attorney docket no. and title of invent Application Number, filed lication No. 16/196,951, filed November 20, 2018	
	ASSIGNMENT	
For good and valuable co below named inventor I h	nsideration, the receipt and sufficiency of which are hereb save sold and assigned, and by these presents hereby sell a	y acknowledged, as a nd assign, unto:
Name of Assignee:	KNORR-BREMSE Systeme fuer Nutzfahrzeuge GmbH	I
Address of Assignce: I	Moosacher Str. 80 Muenchen 80809, GERMANY	
and to the above-identific continuations thereof, and such application or for sa enjoyed by said ASSIGN such Letters Patent may be Assignment not been ma		g any and all divisions or which may issue on any hereof, to be held and terms for which any and all and enjoyed by me had this
I hereby authorize and re Letters Patent to said AS	quest the Director of the U.S. Patent and Trademark Offic SIGNEE, its successors or assigns in accordance herewith	e to issue any and all such.
I warrant and covenant th	nat I have the full and unencumbered right to sell and assig ave not executed and will not execute any document or ins	on the interests herein sold
or assigns all information and deliver any papers, racts deemed necessary of perfect title to said inversall Letters Patent which ASSIGNEE, its successor	gree that I will communicate to said ASSIGNEE, its success the known to me relating to said invention or patent applicat make all rightful oaths, testify in any legal proceedings and resirable by said ASSIGNEE, its successors, legal represention, to said application including divisions and continuation may be granted therefor or thereon, including reissues or ears or assigns, or to assist said ASSIGNEE, its successors, issuing or enforcing Letters Patent of the United States for the successors.	ion and that I will execute I perform all other lawful sentatives or assigns to ions thereof and to any and extensions, in said legal representatives or
	<u>DECLARATION</u>	
As a below named inver	ntor, I hereby declare that:	
	plication was made or authorized to be made by me.	
	riginal inventor or an original joint inventor of a claimed in	
I hereby acknowledge the 1001 by fine or imprison	nat any willful false statement made in this declaration is p nment of not more than five (5) years, or both.	unishable under 18 U.S.C.
Signature: Tobias	FISCHE	07.07.7019 DATE

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, Brake Pad and Brake Pad Set
☐ the application is ☐ PCT Internations	claration are directed to (check one): lentified above by the attorney docket no. and title of invention al Application Number, filed pplication No. 16/196,951, filed November 20, 2018
	ASSIGNMENT
For good and valuable of below named inventor I	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:	KNORR-BREMSE Systeme fuer Nutzfahrzeuge GmbH
Address of Assignee:	Moosacher Str. 80 Muenchen 80809, GERMANY
and to the above-identificontinuations thereof, a such application or for enjoyed by said ASSIG	3) 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.
	request the Director of the U.S. Patent and Trademark Office to issue any and all such SSIGNEE, 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 have not executed and will not execute any document or instrument in conflict
or assigns all informatic and deliver any papers, acts deemed necessary perfect title to said inve- all Letters Patent which ASSIGNEE, its success	agree that I will communicate to said ASSIGNEE, its successors, legal representatives on 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 ention, to said application including divisions and continuations thereof and to any and may be granted therefor or thereon, including reissues or extensions, in said sors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or issuing or enforcing Letters Patent of the United States for said invention.
	<u>DECLARATION</u>
As a below named inve	entor, I hereby declare that:
The above-identified a	oplication 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.
	that any willful false statement made in this declaration is punishable under 18 U.S.C. comment of not more than five (5) years, or both.
Signature:	Many Puh A. 2. 2019 DATE

PATENT

REEL: 049024 FRAME: 0277

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. \S 1.63

(For Use with Signed Application Data Sheet)

Title of Invention:	Disc Brake for a Utility V	ehicle, Brake Pad and Brake Pad Set
☐ the application i☐ PCT Internation		ney docket no. and title of invention, filed
	ASS	<u>IGNMENT</u>
For good and valuable of below named inventor l	consideration, the receipt ar I have sold and assigned, ar	nd sufficiency of which are hereby acknowledged, as a d by these presents hereby sell and assign, unto:
Name of Assignee:	KNORR-BREMSE Syste	eme fuer Nutzfahrzeuge GmbH
Address of Assignee:	Moosacher Str. 80 Muen	chen 80809, GERMANY
and to the above-identif continuations thereof, a such application or for enjoyed by said ASSIG	fied invention and United Stand in and to any and all Let said invention, including an NEE, its successors or assign to be granted as fully and ent	erest for the United States, its territories and possessions in tates patent application, including any and all divisions or ters Patent of the United States which may issue on any y and all reissues or extensions thereof, to be held and gas to the full end of the term or terms for which any and all reisy as would have been held and enjoyed by me had this
		J.S. Patent and Trademark Office to issue any and all such assigns in accordance herewith.
		ncumbered right to sell and assign the interests herein sold not execute any document or instrument in conflict
or assigns all information and deliver any papers, acts deemed necessary operfect title to said investall Letters Patent which ASSIGNEE, its success	on known to me relating to somake all rightful oaths, test or desirable by said ASSIGI ntion, to said application in may be granted therefor or sors or assigns, or to assist so	te to said ASSIGNEE, its successors, legal representatives said invention or patent application and that I will execute ify in any legal proceedings and perform all other lawful NEE, its successors, legal representatives or assigns to cluding divisions and continuations thereof and to any and thereon, including reissues or extensions, in said aid ASSIGNEE, its successors, legal representatives or Patent of the United States for said invention.
	DECI	LARATION
As a below named inver	ntor, I hereby declare that:	
The above-identified ap	plication was made or author	orized to be made by me.
I believe that I am the or	riginal inventor or an origin	al joint inventor of a claimed invention in the application.
	hat any willful false stateme nment of not more than five	ent made in this declaration is punishable under 18 U.S.C. (5) years, or both.
Signature:	In Johns Per DES PETSCHKE	1/2 03, 2011 DATE

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 Vehic	le, Brake Pad and Brake Pad Set	
the application in PCT Internation	-	docket no. and title of invention filed	
	ASSIGI	<u>nment</u>	
		afficiency of which are hereby acknowledged, as a these presents hereby sell and assign, unto:	
Name of Assignee:	KNORR-BREMSE Systeme	fuer Nutzfahrzeuge GmbH	
Address of Assignee:	Moosacher Str. 80 Muencher	a 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.			
	request the Director of the U.S. SSIGNEE, its successors or ass	Patent and Trademark Office to issue any and all such igns in accordance herewith.	
		nbered 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 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>DECLA</u>	RATION	
As a below named inver	ntor, I hereby declare that:		
The above-identified ap	plication was made or authorize	ed to be made by me.	
believe that I am the o	riginal inventor or an original jo	pint inventor of a claimed invention in the application.	
	hat any willful false statement n nment of not more than five (5)	nade in this declaration is punishable under 18 U.S.C. years, or both.	
Signature: Inventor: Josef S	A CHROPP		

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

Title of Invent	ion:	Disc Brake for a Utility Vehicle, Brake Pad and Brake Pad	Set	
the appl	ication id ernation	claration are directed to (check one): dentified above by the attorney docket no. and title of invential Application Number, filed, plication No. 16/196,951, filed November 20, 2018		
		<u>ASSIGNMENT</u>		
		consideration, the receipt and sufficiency of which are hereby have sold and assigned, and by these presents hereby sell an		
Name of Assig	nee:	KNORR-BREMSE Systeme fuer Nutzfahrzeuge GmbH		
Address of As	signee:	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.				
		equest the Director of the U.S. Patent and Trademark Office SSIGNEE, its successors or assigns in accordance herewith.	to issue any and all such	
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.				
<u>DECLARATION</u>				
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 or	iginal inventor or an original joint inventor of a claimed inventor	ention in the application.	
		nat any willful false statement made in this declaration is pur nment of not more than five (5) years, or both.	dishable under 18 U.S.C.	
Signature: Inventor:	Julian	Cato DAHLENBURG	21.02. B	

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, Brake Pad and Brake Pad Sct	
the application is PCT International	al Application Number _	(check one): torney docket no. and title of invention, filed i1, filed November 20, 2018	
	AS	SIGNMENT	,
		and sufficiency of which are hereby acknownd by these presents hereby sell and assign	
Name of Assignee:	KNORR-BREMSE Sy	steme fuer Nutzfahrzeuge GmbH	
Address of Assignee:	Moosacher Str. 80 Mu	enchen 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.			
		e U.S. Patent and Trademark Office to issu or assigns in accordance herewith.	ne any and all such
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.			
	$\overline{\mathbf{DE}}$	<u>CLARATION</u>	
As a below named inver	ntor, I hereby declare the	t:	
· · · · · · · · · · · · · · · · · · ·	T-	ithorized to be made by me.	
I believe that I am the o	riginal inventor or an ori	ginal 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: Marku	S BARTEL	<u>26</u> DA	<u>04. 4</u>

PATENT REEL: 049024 FRAME: 0281

RECORDED: 04/29/2019

Inventor:

Markus BARTEL