PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Matthew FRY	10/06/2009
Martin MEDERER	10/06/2009
Kornel STRAUB	10/06/2009
Valer MERZA	10/06/2009
Gergely SZABO	10/06/2009

RECEIVING PARTY DATA

Name:	KNORR-BREMSE Systeme fuer Nutzfahrzeuge GmbH
Street Address:	Moosacher Strasse 80
City:	Muenchen
State/Country:	GERMANY
Postal Code:	80809

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12561631

CORRESPONDENCE DATA

501028413

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Address Line 4: Washington, DISTRICT OF COLUMBIA 200444300

ATTORNEY DOCKET NUMBER: 037068.61927US

NAME OF SUBMITTER: Jeffrey D. Sanok

REEL: 023585 FRAME: 0431

OP \$40.00 12561631

PATENT

Total Attachments: 6 source=61927usassign#page1.tif source=61927usassign#page2.tif source=61927usassign#page3.tif source=61927usassign#page4.tif source=61927usassign#page5.tif source=61927usassign#page6.tif

PATENT REEL: 023585 FRAME: 0432

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

KNORR-BREMSE Systeme fuer Nutsfahrzeuge GmbH Moosacher Strasse 80 80809 Muenchen Germany

	CA CE LEASURE LY	
(heremalter ASSIGNEE) all right, his invention relating to:	title and interest for the United State	es, its territories and possessions in and to
,	Trailer Electronic Braking S	ystem
as set forth in his United States Pa	tent Application (check one):	
executed concurre executed on	•	
Application No. <u>12</u> PCT International	<u>#561_631, filed September 17, 2009,</u> LApplication, No.:filed,	
to any and all Letters Patent of th including any and all reissues or application, to be held and enjoyed ond of the term or terms for which	e United States which may issue on a extensions thereof, and all rights to by said ASSIGNEE, its successors, is	risions or continuations thereof and in and any such application or for said invention, claim priority on the basis of any such gal representatives and assigns to the full be granted as fully and entirely as would seen made;
Each of the undersigned hereby au issue any and all such Letters Pater	thorizes and requests the Director of it to said ASSIGNEE, its successors or	the U.S. Patent and Trademark Office to assigns in accordance herewith;
Each of the undersigned warrante a interests herein sold and assigned a conflict herewith;	and covenants that he has the full and and that he has not executed and will t	unencumbered right to sell and assign the lot execute any document or instrument in
representatives or assigns all inform will execute and deliver any papers lawful acts deemed necessary or de perfect title to said invention, to sa Letters Patent which may be grants successors, or assigns or to assist	nation known to him relating to said in the make all rightful eaths, testify in an estrable by said ASSIGNEE, its succe tid application including divisions and ed therefor or thereon, including reiss	te to said ASSIGNEE, its successors, legal invention or patent application and that he may legal proceedings and perform all other essors, legal representatives or assigns to a continuations thereof and to any and all tues or extensions, in said ASSIGNEE, its it representatives or assigns in obtaining.
to meert in this Assignment any fur	nts the firm of CROWELL & MORIN ther identification which may be neces flice for recordation of this Assignment	G LLP, or any partner thereof, the power seary or desirable to comply with the rules t.
Signature: Inventor one:	Matthew FRY	E/O/CA
Signature: Inventor two:	Martin MEDERER	DATE
Signature: (nventor three;	Kornel STRAUB	DATE

Page 1 of 2

ASSIGNMENT	U.S.	Rights
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Attorney Docket No.: 037068.61927US

Signature: Inventor four:	Valer MERZA	DATE
Signature: Inventor five:	Gergely SZABO	DATE

Attorney Docket No.: 037068,61927US

U.S. Rights -Sole or John

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by those presents hereby sells and assigns, unto:

KNORR-BREMSE Systeme fuer Nutzfahrzeuge GmbH Moosacher Strasse 80 80609 Muenchen Germany

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to:

nis invention relating to:		
	Trailer Electronic Braking Sys	item
as set forth in his United States	Patent Application (check one):	
☐ executed on ⊠ Application No	rrently herewith, . 12/561,631, filed September 17, 2009, mal Application, No.:, filed,	
to any and all Letters Patent of including any and all reissues application, to be held and enjoy end of the term or torms for wh	tent Application including any and all divise the United States which may issue on any or extensions thereof, and all rights to dived by said ASSIGNEE, its successors, legation any and all such Letters Patent may be undersigned had this Assignment not been	y such application or for said invention, laim priority on the basis of any such I representatives and assigns to the full e granted as fully and entirely as would
Each of the undersigned hereby issue any and all such Letters Pa	authorizes and requests the Director of thatent to said ASSIGNEE, its successors or as	e U.S. Patent and Trademark Office to esigns in accordance herewith;
	ts and covenants that he has the full and un od and that he has not executed and will not	
representatives or assigns all inf will execute and deliver any pap lawful acts deemed necessary or perfect title to said invention, to Letters Patent which may be gre- successors, or assigns or to assi-	covenants and agrees he will communicate formation known to him relating to said invers, make all rightful caths, teatify in any redesirable by said ASSIGNEE, its successes said application including divisions and canted therefor or thereon, including veisure ist said ASSIGNEE, its successors, legal retent of the United States for said invention;	ention or patent application and that he legal proceedings and perform all other was, legal representatives or assigns to outinuations thereof and to any and all as or extensions, in said ASSIGNEE, its
to insert in this Assignment any	grants the firm of CROWELL & MORING further identification which may be necessa k Office for recordation of this Assignment.	LLP, or any partner thereof, the power my or desirable to comply with the rules
Signature:		***************************************
Inventor one:	Matthew FRY	DATE
Signature: Inventor two:	Martin MEDERER	
Signature:		
Inventor three:	Kornel STRAUB	DATE

Page 1 of 2

ARRIG	NMRNT	11.3	Biologic

Attorney Docket No.: 637098.61927US

Signature: Inventor four:	Valer MERZA	DATE
Signature: faventor five:	Gergely SZABO	DATE

Attorney Docket No.: 037068,61927US

U.S. Rights - Sole or Joint.

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

KNORR-BREMSE Systeme fuer Nutzfahrzeuge GmbH Moosacher Strasse 80 80809 Muenchen Germany

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and his invention relating to: Trailer Electronic Braking System as set forth in his United States Patent Application (check one): executed on Application No. 12/581.631, filed September 17, 2009. PUT International Application, No.: ———————————————————————————————————			Germa	жÃ			
executed on	(hereinafter ASSIC bis invention relati	WEE) all right, title ng to:	and interest for the	United States, its te	rntories and	possessions in and t)
executed on		ïra	iler Electronic l	Braking System	ı.		
Application No. 12561.631, filed September 17, 2009. POT International Application, No.: filed first which may issue on any such application or for said inventional and all testers Patent of the United States which may issue on any such application or for said inventional and any and all treissues or exteneous thereof, and all rights to claim private on the sais of any e application, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as we have been held and enjoyed by the undersigned had this Assignment not been made; Each of the undersigned hereby authorizes and requests the Director of the U.S. Patent and Trademark Office issue any and all such Letters Patent to eaid ASSIGNEE, its successors or assigns in accordance herewith; Each of the undersigned warrants and covenants that he has the full and uncommuned right to cell and assign interests herem sold and assigned and that he has not executed and will not execute any document or instrumen conflict herewith; Bach of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, is representatives or assigns all information known to him relating to eaid invention or patent application and that will execute and deliver any papers, make all rightful only first on any legal proceedings and perform all of Letters Patent of the United States for said inventions, or assigns and erform all of Letters Patent which may be granted therefor or thereon, including releases or extentions, in said ASSIGNEE, successors, legal representatives or assigns in obtain reissuing or enforcing Letters Patent of the United States for said inventions; Each of the undersigned hereby grants the firm of CROWELL & MORING LLP, or any partner thereof, the pot insert in this Assignment any further identification which may be useed some in our partners. Matthew FRY DATE Signature: Inventor two:	as set forth in his T	Inited States Patent	Application (check or	16):			
Application No. 12561.631, filed September 17, 2009. POT International Application, No	C) ez	cecuted concurrently	herewith,				
to any and all Letters Patent of the United States which may incue on any such application or for said invention including any and all reissues or extensions thereof, and all rights to claim priority on the basic of any sy application, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the end of the term or forms for which any and all such Letters Patent may be granted as fully and entirely as we have been held and enjoyed by the undersigned had this Assignment not been made; Each of the undersigned hereby authorizes and requests the Director of the U.S. Patent and Trademark Office issue any and all such Letters Patent to eaid ASSIGNEE, its successors or assigns in accordance herewith; Each of the undersigned warrants and covenants that he has the full and unoncombered right to cell and assign intercets herein cold and assigned and that he has not executed and will not execute any document or instrument conflict herewith; Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, is representatives or assigns all information known to him relating to said invention or patent application and that will execute and deliver any papers, make all rightful oaths, teatify in any legal proceedings and perform all of lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns perfect title to said invention, to said application including divisions and continuations thereof and to any and Latters Patent which may be granted therefor or thereon, including reissues restensions, in said ASSIGNEE, successors, or assigns in obtain reissuing or enforcing Letters Patent of the United States Fatent of the United States for each layer of desirable to comply with the reof the U.S. Patent and Trademark Office for recordation of this Assignment. Matthew FRY DATE Signature: Inventor two: Mattin MEDERER DATE	X A	pplication No. 12/561	.631, filed <u>September</u> objection, No.:	. <u>17, 2009,</u> filed,			
Each of the undersigned warrants and covenants that he has the full and uncommbered right to sell and assign interests herem sold and assigned and that he has not executed and will not execute any document or instrument conflict herewith; Bach of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, is representatives or assigns all information known to him relating to eaid invention or patent application and that will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all of lawful asts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assign perfect title to said invention, to said application including divisions and continuations thereof and to any and Latters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, successors, or assigns or to assist said ASSIGNEE, its successors, logal representatives or assigns in obtain reissuing or enforcing Letters Patent of the United Blates for said inventions; Each of the undersigned hereby grants the firm of CROWELL, & MORING LLP, or any partner thereof, the pot object in this Assignment any further identification which may be necessary or desirable to comply with the reof the U.S. Patent and Trademark Office for recordation of this Assignment. Signature: Inventor two: Martin MEDERER DATE Notice Source of the Contract	to any and all Lett including any and application, to be t and of the term or	ers Patent of the U all reissues or extuded and enjoyed by terms for which any	nited States which me sumous thereof, and said ASSIGNEE, its sand all such Letters	sy iceue on any such all rights to claim auccessors, legal repr s Patent may be gran	h application priority on the resentatives a oted as fully t	or for said invention he basis of any suc and assigns to the ful	., L .i
interests herem sold and assigned and that he has not executed and will not execute any document or instrument conflict herewith; Bach of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, is representatives or assigns all information known to him relating to eaid invention or patent application and that will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all of lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assign perfort title to said invention, to said application including divisions and continuations thereof and to any and Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtain reissuing or enforcing Letters Patent of the United States for said invention; Each of the undersigned hereby grants the firm of CROWELL, & MORING LLP, or any partner thereof, the pot to insert in this Assignment any further identification which may be necessary or desirable to comply with the reof the U.S. Patent and Trademark Office for recordation of this Assignment. Signature: Inventor one: Matthew FRY DATE Signature: Inventor two: Martin MEDERER DATE	Each of the undersissue any and all so	signed hereby authorich Leiters Patent to	rizes and requests th eaid ASSIGNEE, its	a Director of the U.S auccessors or assigns	3. Patent and in accordanc	. Trademark Office t e herewith;	,
representatives or assigns all information known to him relating to eaid invention or patent application and that will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all of lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assign perfect title to said invention, to said application including divisions and continuations thereof and to any and Laters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtain reissuing or enforcing Letters Patent of the United States for said invention; Each of the undersigned hereby grants the firm of CROWELL & MORING LLP, or any partner thereof, the poto insert in this Assignment any further identification which may be necessary or desirable to comply with the reof the U.S. Patent and Trademark Office for recordation of this Assignment. Signature: Inventor one: Matthew FRY DATE DATE DATE Inventor two: Martin MEDERER DATE	interests herein sol						
to insert in this Assignment any further identification which may be necessary or desirable to comply with the reof the U.S. Patent and Trademark Office for recordation of this Assignment. Signature: Inventor one: Matthew FRY DATE Signature: Inventor two: Martin MEDERER DATE	representatives or will execute and de lawful acts deemed perfect title to said Letters Palent whis successors, or assu	assigns all informati diver any papers, m i necessary or desir- invention, to said a ch may be granted t gus or to assist said	on known to him rela ake all rightful oaths able by said ASSIGN application including herefor or thereon, is ASSIGNEE, its suc	ting to eaid invention, testify in any legal LEE, its successors, l divisions and continuched achiding releases or successors, legal repres	o or paient approceedings : legal represent untions there extensions, in	plication and that hand perform all othe statives or assigns t of and to any and al seaid ASSIGNEE, it	0 Y 0 1 8
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Inventor one: Matthew FRY Signature: Inventor two: Martin MEDERER DATE	Signature:						
Inventor two: Martin MEDERER DATE	Inventor one:	1	Matthew FRY		•••••		
Inventor two: Martin MEDERER DATE	Signature:						
131 m &	Inventor two:		Martin MEDERI	R	***************************************	DATE	
Signature: VV- VI- Oct. 6.20	Signature:		V1-25-		f	0.t. 6. 200	9
Inventor three: Kornel STRAUB DATE	Inventor three;	Ē	Cornel STRAUB	and an experience of the second se	***************************************	DATE	· ·

Page 1 of 2

ASSIGNMENT - U.S. Rights

Attorney Docket No.: 037068.61927US

Signature:

Inventor four:

RU 1 Valer MERZA

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Signature: Inventor five: