PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Johann BAUMGARTNER	10/12/2007
Matthias SEIDENSCHWANG	11/15/2007
Ernst Dieter BIEKER	10/26/2007
Dirk GANZHORN	10/18/2007

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:	11665360

CORRESPONDENCE DATA

Fax Number: (202)528-8844

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Address Line 1: P.O. BOX 14300

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20044-4300

ATTORNEY DOCKET NUMBER:	037068.58966US
NAME OF SUBMITTER:	Paolo M. Trevisan, Reg. No. 45,904

Total Attachments: 6

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PATENT REEL: 021851 FRAME: 0470

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> PATENT REEL: 021851 FRAME: 0471

2000

Attorney Docket No.: 037068.58966US

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 to his invention relating to:

SELF-ENERGIZING DISC BRAKE AND CONTROL METHOD FOR A SELF-ENERGIZING BRAKE
as set forth in his United States Patent Application (check one):
executed concurrently herewith, executed on, Serial No. 11/665,360, filed April 13, 2007, PCT International Application, No.:, filed,
in and to said 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, legal representatives and 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 the undersigned had this Assignment not been made;
Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith;
Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;
Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he 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;
Each of the undersigned hereby grants the firm of CROWELL & MORING, L.L.P., or any partner thereof, the power to insert in this Assignment any further identification which may be necessary or desirable to

Signature: Date: 11. 10. 200 Z
Inventor one: Johann BAUMGARTNER
Citizen of: CERMANY

comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Page 1

ASSIGNMENT	Attorney Docket No.: 037068.58966US
Signature: Hattaics Inventor two: Matthias SEIDENSCHWANG Citizen of: GERMANY	Date: 15.11.07
Inventor three: Ernst Dieter BIEKER (Deceased) Late, a citizen of GERMANY By Luise Ulrike BIEKER nee Rothe, Legal Repre	esentative of deceased inventor
\underline{X} Additional Inventors on attached sheet if checked	
Signature: Heir One: Citizen of: Luise Ulrike BIEKER nee Rothe GERMANY	Date:
Residing at: Sonneckstr. 19, 83080 Oberaudorf, Germa Legal Representative of Ernst Dieter BIEKER (Decease	
Signature: Inventor four: Dirk GANZHORN Citizen of: GERMANY	Date:

ASSIGNMENT

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Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

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BRAKE
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in and to said United States Patent Application including any and all divisions or continuations thereof and it and to any and all Letters Patent of the United States which may issue on any such application or for sai invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, it successors, legal representatives and assigns to the full end of the term or terms for which any and all suc Letters patent may be granted as fully and entirely as would have been held and enjoyed by the undersigne had this Assignment not been made;
Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issuany and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith;
Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assigned the interests herein sold and assigned and that he has not executed and will not execute any document of instrument in conflict herewith;
Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successoral legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings an 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 Unite States for said invention;
Each of the undersigned hereby grants the firm of CROWELL & MORING, L.L.P., or any partner thereof the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.
Signature: Date: Inventor one: Johann BAUMGARTNER Citizen of: GERMANY

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Signature:

Inventor four: Dirk GANZHORN Citizen of: GERMANY

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Signature: Date: Inventor one: Johann BAUMGARTNER Citizen of; GERMANY

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Signature: Inventor two: Citizen of:	Matthias SEIDENSCHWANG GERMANY	Date:	
Inventor thre	e: Ernst Dieter BIEKER (Deceased) Late, a citizen of GERMANY By Luise Ulrike BIEKER nee Rothe, Legal Repr	esentativ	e of deceased inventor
X Additional	Inventors on attached sheet if checked		
Signature: Heir One:	Luise Ulrike BIEKER nee Rothe	Date:	
Citizen of: Residing at:		any ed)	
Signature:	Dick GANZHORN	Date:	18,10.07
Citizen of:	GERMANY J.S. (and		
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