

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ralf FURTWANGLER</td> <td>04/02/2012</td> </tr> <tr> <td>Ulf FRIESEN</td> <td>04/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ralf FURTWANGLER	04/02/2012	Ulf FRIESEN	04/02/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>KNORR-BREMSE SYSTEME FUR SCHIENENFAHRZEUGE GMBH</td> </tr> <tr> <td>Street Address:</td> <td>Moosacher Str. 80</td> </tr> <tr> <td>City:</td> <td>Munich</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>80809</td> </tr> </table>		Name:	KNORR-BREMSE SYSTEME FUR SCHIENENFAHRZEUGE GMBH	Street Address:	Moosacher Str. 80	City:	Munich	State/Country:	GERMANY	Postal Code:	80809
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CORRESPONDENCE DATA											
<p>Fax Number: (202)289-1330 Phone: 202-289-1313 Email: cunderwood@btlaw.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: BARNES & THORNBURG LLP Address Line 1: 1717 Pennsylvania Ave. NW Address Line 2: SUITE 500 Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20006-4623</p>											
ATTORNEY DOCKET NUMBER:	566/49458										
NAME OF SUBMITTER:	Christine H. McCarthy										
Total Attachments: 2 source=49458assignment#page1.tif source=49458assignment#page2.tif											

CH \$40.00 13394955

ASSIGNMENT OF GLOBAL PATENT RIGHTS

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign all my rights, title and interest, in and for the United States of America and all foreign countries, in and to the invention entitled:

**METHOD AND DEVICE FOR ESTIMATING THE TEMPERATURE
OF AN AXLE BEARING OF A WHEELSET OF A RAIL VEHICLE**

which was invented by me (if only one is named ASSIGNOR below) or us (if plural inventors are named below) and,

- ☐ which was filed in the United States Patent and Trademark Office on _____, and assigned Application No. _____,
- ☒ which was based upon and relies for priority on the corresponding PCT application PCT/EP2010/063206, filed 9 September 2010,
- ☒ which was based upon and relies for priority on German Application No. 10 2009 040 801.0, filed on 9 September 2009,

to the following (hereinafter called ASSIGNEE(S)):

NAME OF ASSIGNEE	COUNTRY AND TYPE OF BUSINESS ORGANIZATION	HEADQUARTERS ADDRESS
KNORR-BREMSE SYSTEME FÜR SCHIENENFAHRZEUGE GMBH	German company	Moosacher Str. 80 80809 Munich

This assignment conveys to the above-identified ASSIGNEE(S), its successors and assigns or other legal representatives all my rights, title and interest, in the above-identified invention including all United States Patent Applications, United States Letters Patent which may be granted therefor, and all divisionals, continuations, and extensions thereof, and any corresponding foreign Letters Patent whether applied for or granted, the interest being the entire ownership of the Letters Patent, to be held and enjoyed by the ASSIGNEE(S), its successors, assigns or other legal representatives, to the full end of the term for which the Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

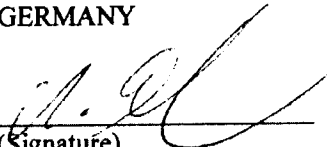
And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference

proceedings, as well as any papers necessary to procure foreign Letters Patents on the invention, or otherwise to secure the title thereto in the ASSIGNEE(S);

And I do hereby authorize and request the Commissioner of Patents to issue the Letters Patent to the ASSIGNEE(S).


INVENTOR: Ralf FURTWÄNGLER
Citizenship: DE
Post Office Address/ Stroblstr. 24
Residence: 80689 Munich
GERMANY

02 04 2012
(Date)


(Signature)

INVENTOR: Ulf FRIESEN
Citizenship: DE
Post Office Address/ Bürgermeister-Schneider-Weg 23
Residence: 85579 Neubiberg
GERMANY

02 04 2012
(Date)


(Signature)