

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Yasuhiko SHIMIZU</td> <td>09/10/2012</td> </tr> <tr> <td>Yasuhiro SHIMIZU</td> <td>09/10/2012</td> </tr> <tr> <td>Fumihiko MURAKAMI</td> <td>09/10/2012</td> </tr> <tr> <td>Masahiko KATAOKA</td> <td>09/10/2012</td> </tr> <tr> <td>Masanori UENO</td> <td>09/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yasuhiko SHIMIZU	09/10/2012	Yasuhiro SHIMIZU	09/10/2012	Fumihiko MURAKAMI	09/10/2012	Masahiko KATAOKA	09/10/2012	Masanori UENO	09/10/2012
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<table border="1"> <tr> <td>Name:</td> <td>NTN CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>3-17, Kyomachibori 1-chome, Nishi-ku, Osaka-shi,</td> </tr> <tr> <td>City:</td> <td>Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>550-0003</td> </tr> </table>		Name:	NTN CORPORATION	Street Address:	3-17, Kyomachibori 1-chome, Nishi-ku, Osaka-shi,	City:	Osaka	State/Country:	JAPAN	Postal Code:	550-0003		
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CORRESPONDENCE DATA													
<p>Fax Number: 2027218250 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-721-8200 Email: wlp@wenderoth.com Correspondent Name: Wenderoth, Lind & Ponack, L.L.P. Address Line 1: 1030 15th Street NW Address Line 2: Suite 400 East Address Line 4: Washington, DISTRICT OF COLUMBIA 20005</p>													
ATTORNEY DOCKET NUMBER:	2012_5092A												
NAME OF SUBMITTER:	Janae Johnson												
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif													

OP \$40.00 13635939

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s) of Inventor(s) Yasuhiko SHIMIZU, Yasuhiro SHIMIZU, Fumihiko MURAKAMI, Masahiko KATAOKA and Masanori UENO

Insert Name(s) of Assignee(s) the undersigned hereby sell(s) and assign(s) to NTN CORPORATION
Address of 3-17, Kyomachibori 1-chome, Nishi-ku, Osaka-shi, Osaka 550-0003, Japan

Title of Invention (hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

BEARING DEVICE FOR AXLE OF RAILWAY VEHICLE

Date of Signing of Application for which an application for patent in the United States has been executed by the undersigned
on September 10, 2012

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 1030 15th Street, N.W., Suite 400 East Washington, D.C. 20005-1503, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date September 10, 2012, Name of the Inventor Yasuhiko Shimizu
Date September 10, 2012, Name of the Inventor Yasuhiko SHIMIZU
Date September 10, 2012, Name of the Inventor Yasuhiko Shimizu
Date September 10, 2012, Name of the Inventor Yasuhiko SHIMIZU
Date September 10, 2012, Name of the Inventor Fumihiko Murakami
Date September 10, 2012, Name of the Inventor Fumihiko MURAKAMI
Date September 10, 2012, Name of the Inventor Masahiko Kataoka
Date September 10, 2012, Name of the Inventor Masahiko KATAOKA
Date September 10, 2012, Name of the Inventor Masanori Ueno
Date September 10, 2012, Name of the Inventor Masanori UENO
Date _____, Name of the Inventor _____
Date _____, Name of the Inventor _____

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Ryutaro Oka
Witness Hiroshi Tako

ACKNOWLEDGMENT

_____ } ss

This _____ day of _____, 20____, before me personally came the above-named me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. _____ Filing Date _____

Applicant Reference Number FP2011-014US Atty Docket No. _____

Title of Invention BEARING DEVICE FOR AXLE OF RAILWAY VEHICLE