

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2891511

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the SPELLING OF THE LAST NAME OF THE 5TH ASSIGNOR previously recorded on Reel 032297 Frame 0123. Assignor(s) hereby confirms the EXECUTION INFORMATION OF THE ORIGINALLY FILED EXECUTED ASSIGNMENT.

## CONVEYING PARTY DATA

Name	Execution Date
YUTAKA TANAKA	01/30/2014
KATSUTOSHI MURAMATSU	01/30/2014
HIROAKI SUZUKI	01/30/2014
DAICHI ITO	01/30/2014
MASAYUKI NOZAKI	01/30/2014

## RECEIVING PARTY DATA

<b>Name:</b>	NTN CORPORATION
<b>Street Address:</b>	3-17, KYOMACHIBORI 1-CHOME
<b>Internal Address:</b>	NISHI-KU
<b>City:</b>	OSAKA-SHI, OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	550-0003

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14241043

## CORRESPONDENCE DATA

**Fax Number:** (202)756-8087  
*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:** 2027568000  
**Email:** ipdocketmwe@mwe.com  
**Correspondent Name:** STEPHEN A. BECKER  
**Address Line 1:** MCDERMOTT WILL & EMERY  
**Address Line 2:** 500 NORTH CAPITOL STREET NW  
**Address Line 4:** WASHINGTON, D.C. 20001

<b>ATTORNEY DOCKET NUMBER:</b>	070456-0389
<b>NAME OF SUBMITTER:</b>	STEPHEN A. BECKER
<b>SIGNATURE:</b>	/STEPHEN A. BECKER/

PATENT

<b>DATE SIGNED:</b>	06/10/2014
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**Total Attachments: 9**

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Electronic Version v1.1  
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EPAS ID: PAT2742460

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
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Fax Number:	(202)756-8087												
Phone:	202-756-8000												
Email:	mweipdocket@mwe.com												
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
Correspondent Name:	MCDERMOTT WILL & EMERY LLP												
Address Line 1:	THE MCDERMOTT BUILDING												
Address Line 2:	500 NORTH CAPITOL STREET, N.W.												
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20001												
ATTORNEY DOCKET NUMBER:	070456-0389												
NAME OF SUBMITTER:	TARA JEFFERS												

Attorney Docket No.: \_\_\_\_\_

**ASSIGNMENT**

WHEREAS, Yutaka TANAKA, Katsutoshi MURAMATSU, Hiroaki SUZUKI, Daichi ITO, and Masayuki NOZAKI, hereinafter called the "Assignors," have jointly invented a new and useful invention entitled Rolling Element Inspection Method, Rolling Element Manufacturing Method, and Rolling Element, for which he has:

- (a) filed an application for United States Letters Patent on \_\_\_\_\_ as (Serial No. \_\_\_\_\_); or
- (b) executed an application for United States Letters Patent on January 30, 2014 \_\_\_\_\_; or
- (c) filed a provisional application on \_\_\_\_\_ as (Serial No. \_\_\_\_\_); and

WHEREAS, NTN Corporation, a corporation organized and existing under the laws of Japan, having a place of business at: 3-17, Kyomachibori 1-chome, Nishi-ku, Osaka-shi, Osaka 550-0003 Japan, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under any Letters Patent which may be obtained to said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignors from the said Assignee is hereby acknowledged, the said Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

And the said Assignors do hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

The undersigned hereby grant(s) the attorneys of McDermott, Will & Emery LLP 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 and Trademark Office for recordation of this document.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the said Assignors have hereunto set his hands and affixed his seal.

Date: January 30, 2014 Yutaka TANAKA (Seal)  
Yutaka TANAKA

Date: January 30, 2014 Katsutoshi MURAMATSU (Seal)  
Katsutoshi MURAMATSU

Date: \_\_\_\_\_ Hiroaki SUZUKI (Seal)  
Hiroaki SUZUKI

Date: January 30, 2014 Daichi ITO (Seal)  
Daichi ITO

Date: January 30, 2014 Masayuki NOZAKI (Seal)  
Masayuki NOZAKI

Date: \_\_\_\_\_ \_\_\_\_\_ (Seal)

Attorney Docket No.: \_\_\_\_\_

### ASSIGNMENT

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NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignors from the said Assignee is hereby acknowledged, the said Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

And the said Assignors do hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

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IN TESTIMONY WHEREOF, the said Assignors have hereunto set his hands and affixed his seal.

Date: \_\_\_\_\_  
Yutaka TANAKA (Seal)

Date: \_\_\_\_\_  
Katsutoshi MURAMATSU (Seal)

Date: Jan. 30, 2014  
Hiroaki SUZUKI (Seal)

Date: \_\_\_\_\_  
Daichi ITO (Seal)

Date: \_\_\_\_\_  
Masayuki NOZAKI (Seal)

Date: \_\_\_\_\_  
(Seal)