

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Katsutoshi MURAMATSU | 06/12/2009 |
| RECEIVING PARTY DATA | |
| Name: | NTN CORPORATION |
| Street Address: | 3-17, Kyomachibori 1-chome, Nishi-ku, Osaka-shi, |
| City: | Osaka |
| State/Country: | JAPAN |
| Postal Code: | 550-0003 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12520430 |
| CORRESPONDENCE DATA | |
| Fax Number: | (202)756-8087 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | 202-756-8000 |
| Email: | Kadkins@mwe.com |
| Correspondent Name: | MCDERMOTT WILL & EMERY LLP |
| Address Line 1: | 600 13TH STREET, N.W. |
| Address Line 4: | WASHINGTON, DISTRICT OF COLUMBIA 20005-3096 |
| ATTORNEY DOCKET NUMBER: | 070456-0250 |
| NAME OF SUBMITTER: | Brian K. Seidleck |
| Total Attachments: 3 source=0704560250assignmenttransmittal#page1.tif source=0704560250assignment#page1.tif source=0704560250assignment#page2.tif | |

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PATENT
REEL: 022858 FRAME: 0589

RECORDATION FORM COVER SHEET

Docket No.: 070456-0250

PATENTS ONLY

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of Conveying Party(ies)

Katsutoshi MURAMATSU

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of Conveyance/Execution Date(s)

Execution Date(s): **June 12, 2009**

- | | |
|---|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Joint Research Agreement | |
| <input type="checkbox"/> Government Interest Assignment | |
| <input type="checkbox"/> Executive Order 9424, Confirmatory License | |
| <input type="checkbox"/> Other | |

2. Name and address of receiving party(ies)

Name: **NTN CORPORATION**

Internal Address:

Address: **3-17, Kyomachibori 1-chome, Nishi-ku, Osaka-shi, Osaka 550-0003 JAPAN**

Additional name(s) & address(es) attached? ☐ Yes ☐ No

4. Application or patent number(s):

A. Patent Application No(s).

☒ This document is being filed together with a new application.

B. Patent No(s).

Additional numbers attached? ☐ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: **MCDERMOTT WILL & EMERY LLP**
 Internal Address:

 Street Address: **600 13th Street, N.W.**

 City: **Washington** State: **D. C.** Zip: **20005-3096**
 Phone Number: **202.756.8000**
 Fax Number: **202.756.8087**
 Email Address:

6. Total number of applications and patents involved:

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information:

a. Credit Card Last 4 Numbers _____
 Expiration Date _____
 b. Deposit Account Number 500417
 Authorized User Name _____

9. Signature. *Stephen A. Becker* Reg. No. 51,321
 by: **Stephen A. Becker 26,527**

June 19, 2009

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and documents: **3**

Attorney Docket No.: _____

ASSIGNMENT

WHEREAS, Katsutoshi MURAMATSU, hereinafter called the "Assignor," has invented a new and useful invention entitled Rolling Bearing, Hub Unit, Rolling Contact Member, Universal Joint, Torque Transmission Member for Universal Joint, and Method of Producing the Same, 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 June 12, 2009; 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 Assignor from the said Assignee is hereby acknowledged, the said Assignor has 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 Assignor does 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 Assignor has hereunto set his hands and affixed his seal.

Date: June 12, 2009

Katsutoshi Muramatsu (Seal)
Katsutoshi MURAMATSU