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LAP13 Rec'd PCT/PTO 15 AUG 2007

08-24-2007

11/884387



ER SHEET

Docket No.: 070456-0210

To the Director of the U. S. I

103439395

ie attached documents or the new address(es) below.

1. Name of Conveying Party(ies)

Yasuhiko SHIMIZU, Yukihiko TAKEDA, Hirofumi YOSHIDA

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) of conveying party(ies) attached? ☐ Yes ☐ No

A. Nature of Conveyance/Execution Date(s)

Execution Date(s): July 20, 2007, July 23, 2007, August 8, 2007 (respectively)

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

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

1. Application or patent number(s):

A. Patent Application No(s).

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

B. Patent No(s).

11/884387

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:

08/17/2007 LLANDGRA 00000010 500417 11884387

06 FC:8021

(40.00 DA)

6. Total number of applications and patents involved: 1

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, 26,527

Bernard P. Cadd (Reg. No. 46,429) for

August 15, 2007

Signature

Date

Name and Registration No. of Person Signing

Total number of pages including cover sheet, attachments and documents: 5

PATENT

REEL: 019749 FRAME: 0191

8.15.07

Attorney Docket No.: _____

ASSIGNMENT

WHEREAS, Yasuhiko SHIMIZU, Yukihiro TAKEDA and Hirofumi YOSHIDA, hereinafter called the "Assignors," have jointly invented a new and useful invention entitled Gas Vent Plug, Bearing Device, and Bearing, 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 July 20, July 23, and _____; or
August 8, 2007
- (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: July 20, 2007 Yasuhiko Shimizu (Seal)
Yasuhiko SHIMIZU

Date: July 23, 2007 Yukihiro Takeda (Seal)
Yukihiro TAKEDA

Date: _____ (Seal)
Hirofumi YOSHIDA

Date: _____ (Seal)

Date: _____ (Seal)

Date: _____ (Seal)

ASSIGNMENT

WHEREAS, Yasuhiko SHIMIZU, Yukihiro TAKEDA and Hirofumi YOSHIDA, hereinafter called the "Assignors," have jointly invented a new and useful invention entitled Gas Vent Plug, Bearing Device, and Bearing, 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 July 20, July 23, and _____; or
August 8, 2007
- (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.

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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: _____ (Seal)
Yasuhiko SHIMIZU

Date: _____ (Seal)
Yukihiro TAKEDA

Date: August 8, 2007 (Seal)
Hirofumi Yoshida
Hirofumi YOSHIDA

Date: _____ (Seal)

Date: _____ (Seal)

Date: _____ (Seal)