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OMB No. 0651-0027

HEET

U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Naoki MATSUYAMA
Sumio SUGITA
Yu KOIWA
Takaaki ANZAI
Tamotsu MISAWA
Masaru TERASAKI

2. Name and address of receiving party(ies):

NSK LTD.
6-3, Ohsaki 1- chome, Shinagawa-ku, Tokyo, Japan

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: November 30, 2001

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

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
09/983,915

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.
☐ Authorized to be charged to deposit account

8. Deposit account number:

19-4880

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Darryl Mexic

Reg. No. 23,063

January 28, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

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Box Assignment
Washington, D.C. 20231

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PATENT
REEL: 012521 FRAME: 0691

Assignment

Whereas, I/We, Naoki MATSUYAMA, Sumio SUGITA, Yu KOIWA,
Takaaki ANZAI, Tamotsu MISAWA and
Masaru TERASAKI all of Kanagawa, Japan

XX

hereinafter called assignor(s), have invented certain improvements in

ROLLING BEARING AND SPINDLE APPARATUS FOR MACHINE TOOL

and executed an application for Letters Patent of the United States of America therefor on
November 30, 2001 ; and

Whereas, NSK Ltd. of 6-3, Ohsaki 1-chome, Shinagawa-ku,
Tokyo, Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its
successors and assigns, the entire right, title and interest in the application and the invention disclosed
therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and
I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth
in the application to the assignee, its successors and assigns; and I/we will execute without further
consideration all papers deemed necessary by the assignee in connection with the United States application
when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
number 09/983,915, filed 26/October/2001) the filing date and application
number of said application when known.

Date: November 30,
2001

s/

Naoki Matsuyama
Naoki MATSUYAMA

Date: November 30,
2001

s/

Sumio Sugita
Sumio SUGITA

Date: November 30,
2001

s/

Yu Koiwa
Yu KOIWA

Date: November 30,
2001

s/

Takaaki Anzai
Takaaki ANZAI

Date: November 30,
2001

s/

Tamotsu Misawa
Tamotsu MISAWA

Date: November 30,
2001

s/

Masaru Terasaki
Masaru TERASAKI

PATENT

RECORDED: 01/28/2002

REEL: 012521 FRAME: 0692