Docket No.: JCLA10974 Form 1595 9 FILE 137 RECORDAT. . Department of Commerce 102458198 1-31-92 atent and Trademark Office 70.EG To the Honorable Assistant Commissioner for Patents: Please record the attached Original documents or copy thereof. 1. Name of conveying party(ies) with the 2. Name/address of receiving execution date: Party(ies) NTN CORPORATION MINEO KOYAMA, April 3, 2003 HIDETO TORISAWA, April 3, 2003 3-17, KYOMCHIBORI 1-CHOME, NISHI-KU, HIROSHI TAKIUCHI, April 3, 2003 OSAKA-SHI, OSAKA-FU, JAPAN MAMORU MIZUTANI, April 3, 2003 3. Nature of conveyance: Add'1 names of receiving parties Attached? Yes X No x Assignment Security Agreement Merger Change of Name Reassignment Other 4. Application number(s) or patent number(s): A. Patent Application No. (s) B. Patent No.(s) 10/394,420 Yes 5. Name and address of party to whom 6. Total No. of applications and patents involved: correspondence concerning document should be mailed: ONE(1)7. Total fee(37CFR§3.41): \$40.00 J. C. Patents X Enclosed 4 Venture, Suite 250 X Charge to Acct. No. 50-0710 Irvine, CA 92618 (Order No. JCLA10974) (949) 660-0761 8. Total number of pages, including Cover sheet, attachments and Document 3. Atty Docket No.: JCLA10974 05/27/2003 DBYRNE 00000035 10394420 DO NOT USE THIS SPACE 40.00 DP 9. Statement and Signature: To the best of my knowledge and belief, the forging information is true and Correct and any attached copy is a true copy of the original document.  $\frac{5}{20} \frac{2003}{2003}$ Signature Date Jiawei Huang Name of person Signing Registration No. 43,330

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**PATENT** REEL: 014093 FRAME: 0517

## **ASSIGNMENT**

WHEREAS.

1. Mineo Koyama

2. Hideto Torisawa

3. Hiroshi Takiuchi

4. Mamoru Mizutani

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: CYLINDRICAL ROLLER BEARING

[X] Filed on March 20, 2003

Serial No. 10/394, 420

[ ] Executed concurrently with the execution of this instrument

WHEREAS, NTN CORPORATION

of 3-17, Kyomachibori 1-chome, Nishi-ku, Osaka-shi, Osaka-fu, Japan

hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

PATENT REEL: 014093 FRAME: 0518

## ASSIGNMENT CONTINUED

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s)

Signature: Minec Magama

Sole or First Joint Inventor: Mineo Koyama

Signature: Hideto Torisawa

Signature: Hiroshi Takiuchi

Signature: Mamaru Mizutani

Date: April 3. 2003

Fourth Joint Inventor: Mamoru Mizutani

Date: April 3. 2003

Date: April 3. 2003

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PAILNI

RECORDED: 05/23/2003 REEL: 014093 FRAME: 0519