



2003 JUL 21 PM 3:12

PATENTS 102507630

FINANCE SECTION

To the Honorable Assistant Commissioner for Patents: Please record the attached
Original documents or copy thereof.

1. Name of conveying party(ies) with the execution date: 7-21-03 YOSHIO FUJIKAWA , May 6, 2003 KIYOTAKA KUSUNOKI , May 9, 2003 KAZUYUKI AONO , May 6, 2003 RYU INOUE , May 7, 2003		2. Name/address of receiving Party(ies) NTN CORPORATION 3-17, KYOMACHIBORI 1-CHOME, NISHI-KU, OSAKA-SHI, OSAKA-FU, JAPAN	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Reassignment <input type="checkbox"/> Other		Add'l names of receiving parties Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Application number(s) or patent number(s): A. Patent Application No. (s) 10/411,077 B. Patent No.(s) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: J. C. Patents, Inc. 4 Venture, Suite 250 Irvine, CA 92618 (949) 660-0761		6. Total No. of applications and patents involved: ONE (1) 7. Total fee (37CFR § 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge to Acct. No. 50-0710 (Order No. JCLA11176) 8. Total number of pages, including Cover sheet, attachments and Document : 3	

Atty Docket No.: JCLA11176

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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.

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Jiawei Huang

Name of person Signing
Registration No. 43,330

Signature

Date

ASSIGNMENT

WHEREAS,

1. **Yoshio Fujikawa**
3. **Kazuyuki Aono**

2. **Kiyotaka Kusunoki**
4. **Ryu Inoue**

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

Title: **EXTERNALLY PRESSURIZED GAS BEARING AND SPINDLE EQUIPMENT USING THIS**

[X] Filed on: April 9, 2003 Serial No. 10/411,077

[] 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 ASSIGNEES, is desirous of acquiring ASSIGNORS' 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.

ASSIGNMENT CONTINUED

IN TESTIMONY WHEREOF, Assignors have signed their name(s) on the date(s) indicated.

Signature: Yoshio Fujikawa Date 2003.5.6
First Joint Inventor: **Yoshio Fujikawa**

Signature: Kiyotaka Kusunoki Date 2003.5.9
Second Joint Inventor: **Kiyotaka Kusunoki**

Signature: Kazuyuki Aono Date 2003.5.6
Second Joint Inventor: **Kazuyuki Aono**

Signature: Ryu Inoue Date 2003.5.7
Second Joint Inventor: **Ryu Inoue**