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1. Name of conveying party(ies):
Isamu YOSHIDA, Kiyotake SHIBATA, Yoshinori IKEDA
11/21/01
Additional name(s) of conveying party(ies) attached?
 yes no

2. Name and address of receiving party(ies)?
NTN CORPORATION
3-17, Kyomachibori 1-chome, Nishi-ku
Osaka-shi, Osaka 550-0003 JAPAN
Additional name(s) & address(es) attached?
 yes no

11002 U.S. PTO
09/989458
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3. Nature of Conveyance:
 Assignment Merger
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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: November 12, 2001
A. Patent Application No.(s)/Confirmation No.(s)
/Not Yet Known
B. Patent No.(s)
Additional numbers attached? Yes No

09/989458

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 registration involved:
1
7. Total Fee (37 CFR 3.41): \$40.00
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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.
Brian W. Hannon
Brian W. Hannon Reg. No. 32,778
November 21, 2001
Date

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11/28/2001 TDIAZ1 00000057 09989458
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PATENT
REEL: 012319 FRAME: 0071

ASSIGNMENT

Whereas, I/We,

Isamu YOSHIDA, Kiyotake SHIBATA and Yoshinori IKEDA
all of SHIZUOKA, JAPAN

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

Powered Steering Device and Ball Screw Mechanism
Therefor

and executed an application for Letters Patent of the United States of America therefor on

November 12, 2001; and

Whereas,

NTN CORPORATION
of 3-17, Kyomachibori 1-chome, Nishi-ku,
Osaka-shi, OSAKA 550-0003 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 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.

Date: NOV. 12, 2001 s/ Isamu Toshida

Date: NOV. 12, 2001 s/ Kiyotake Shibata

Date: NOV. 12, 2001 s/ Yoshinori Ikeda

Date: s/ _____

Date: s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)