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12-3-02

1. Name of conveying party(ies):  
Shigeru OKITA  
Daisuke MARUYAMA  
Junji MINAKUCHI  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
NSK LTD.  
6-3, Ohsaki 1-chome, Shinagawa-ku, Tokyo, Japan  
  
Additional name(s) & address(es) attached?  Yes  No

11046 U.S. PTO  
10/307946  
12/03/02

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: November 29, 2002

4. Application number(s) or patent number(s): 10/307946  
If this document is being filed together with a new application, the execution date of the application is: November 29, 2002  
A. Patent Application No.(s)  
B. Patent No.(s)  
  
Additional numbers attached?  Yes  No

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41): \$40.00  
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SUGHRUE MION, PLLC  
WASHINGTON OFFICE  
  
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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.*  
  
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12/06/2002 TDIAZI 00000031 10307946

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PATENT  
REEL: 13545 FRAME: 0163

For Non-U.S. Clients

# ASSIGNMENT

Whereas, I/we Shigeru OKITA, Daisuke MARUYAMA and Junji MINAKUCHI  
all of Gunma, Japan

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

BALL SCREW APPARATUS

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

November 29, 2002; 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 Director - U.S. Patent and Trademark Office 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/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

Date: November 29, 2002 s/ Shigeru Okita  
Shigeru OKITA

Date: November 29, 2002 s/ Daisuke Maruyama  
Daisuke MARUYAMA

Date: November 29, 2002 s/ Junji Minakuchi  
Junji MINAKUCHI

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

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