

10-13-1999

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**RECORDATION COVER SHEET - PATENT APPLICATION**

NAME OF CONVEYING PARTY : Nobuharu NARUSE  
Naomichi TANIGAWA  
Fusayoshi KUGIYAMA

NAME OF RECEIVING PARTY : KAYABA KOGYO KABUSHIKI KAISHA

ADDRESS OF RECEIVING PARTY : Sekai Boeki Center Building  
4-1, Hamamatsucho 2-chome  
Minato-ku, Tokyo, JAPAN

NATURE OF CONVEYANCE : Assignment of U.S. Patent Application

CONVEYANCE EXECUTION DATE : August 27, 1999

PATENT APPLICATION NO. : 09/355,249

APPLICATION FILED TOGETHER WITH THIS DOCUMENT : NO **9-15-99 MRD**

APPLICATION EXECUTION DATE : July 27, 1999

CORRESPONDENCE ADDRESS : RABIN & CHAMPAGNE, P.C.  
1725 K Street, N.W., Suite 1111  
Washington, D.C. 20006

ATTORNEY REFERENCE : GOT 112NP

TOTAL NUMBER OF PATENTS AND APPLICATIONS INVOLVED : **One** **09/355/249**

TOTAL FEE PAID : \$40.00

METHOD OF PAYMENT :  Enclosed  
 Authorized to be charged to deposit account

FREE ENCLOSED: \$ 40.  
Please charge any other  
fee to our Deposit Account  
No. 18-0002

(PLEASE PRINT NAME AND ADDRESS)  
IN BLOCK

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.

Steven M. Rabin  
Steven M. Rabin  
(Registration No. 29,102)

September 15, 1999  
Date

Total number of pages including cover sheet, attachments and document: 3.  
SMR:pjl

**PATENT**  
**REEL: 010297 FRAME: 0327**

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Nobuharu NARUSE and Naomichi TANIGAWA

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to INPUT TORQUE DETECTING DEVICE FOR POWER STEERING, [ ] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office; [X ] said application having been filed in the United States Patent and Trademark Office on July 27, 1999, authorization being hereby given to my attorneys, Steven M. Rabin, Thomas M. Champagne, and Robert H. Berdo, Jr. of RABIN & CHAMPAGNE, P.C., 1725 K Street, N.W., Washington, D.C. 20006, to insert here in parentheses (Application Serial No. \_\_\_\_\_) the application serial number of said application when known; [X ] said application having been filed under the Patent Cooperation Treaty on January 29, 1997, Serial No. PCT/JP97/00202, the United States of America being designated.

AND WHEREAS KAYABA KOGYO KABUSHIKI KAISHA, Sekai Boeki Center Building, 4-1, Hamamatsu-cho 2-chome, Minato-ku, Tokyo, JAPAN, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 27 day of August, 1999.

WITNESSES:  
Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_

ASSIGNOR:  
Signature: Nobuharu Naruse  
Name: Nobuharu NARUSE

Signature: Naomichi Tanigawa  
Name: Naomichi TANIGAWA

PATENT  
REEL: 010297 FRAME: 0328

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Fusayoshi KUGIYAMA

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to INPUT TORQUE DETECTING DEVICE FOR POWER STEERING, [ ] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office; [XX] said application having been filed in the United States Patent and Trademark Office on July 27, 1999, authorization being hereby given to my attorneys, Steven M. Rabin, Thomas M. Champagne, and Robert H. Berdo, Jr. of RABIN & CHAMPAGNE, P.C., 1725 K Street, N.W., Washington, D.C. 20006, to insert here in parentheses (Application Serial No. \_\_\_\_\_) the application serial number of said application when known; [x] said application having been filed under the Patent Cooperation Treaty on January 29, 1997, Serial No. PCT/JP97/00202, the United States of America being designated.

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NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 27 day of Aug, 1999.

WITNESSES:

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

ASSIGNOR:

Signature: Fusayoshi Kugiyama

Name: Fusayoshi KUGIYAMA

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

RECORDED: 09/15/1999

PATENT REEL: 010297 FRAME: 0329