

12-14-1998

3 SHEET

U.S. DEPARTMENT OF COMMERCE

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Patent and Trademark Office

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To the Honorable Commissioner of Patents

100915936

Attached original documents or copy thereof.

1. Name of conveying party(ies):

Makoto TOYAMA

Additional name(s) of conveying party(ies) attached? \_ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: September 17, 1998

2. Name and Address of receiving party(ies):

Name: KOMATSU LTD.

Internal Address:

300 Rec'd PCT/PTO 09 OCT 1998

Street Address: 3-6, Akasaka 2-chome,  
Minato-ku,

City: Tokyo

State: JAPAN

ZIP: 107

Additional name(s) & address(es) attached? \_ Yes ☒ No

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: September 17, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? \_ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: SIDLEY &amp; AUSTIN

Internal Address: Attn: James W. Williams

Street Address: 717 North Harwood  
Suite 3400

City: Dallas State: TX ZIP: 75201-6507

6. Total Number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

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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.*James W. Williams

Name of Person Signing

James W. Williams  
SignatureOctober 9, 1998

Date

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PATENT  
REEL: 9630 FRAME: 0714

**ASSIGNMENT**

In consideration of the sum of One Dollar (U.S. \$1.00) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

**Makoto TOYAMA**

hereby sells, assigns and transfers to KOMATSU LTD., a corporation duly organized under the laws of Japan, and having a place of business at 3-6, Akasaka 2-chome, Minato-ku, Tokyo 107 Japan, (hereinafter called Assignee) the entire right, title, and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

**APPARATUS AND METHOD FOR DETECTING ABRASION  
OF CLUTCH FOR TRANSMISSION**

which application was executed by the undersigned on

the 17 day of Sept., 1998;

including said application and any and all divisions, continuations, and substitutes thereof and any and all United States Letters Patents which may be granted therefor and any and all extensions, reissues, renewals or reexaminations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute

all rightful other papers; and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection.

Signed at Komatsu City, JAPAN, the 17 day  
of Sept., 1998.

Makoto Toyama  
Makoto TOYAMA