

09-23-2003



FORM PTO-1595

EET

U.S. DEPARTMENT OF COMMERCE

 102556743
PATENTS ONLY

2001 Staas & Halsey LLP

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

 Susumu MAEKAWA
 Kuniharu YASUGI

9.15-03

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

 FANUC LTD.
 3580, Shibokusa, Aza-Komanba
 Oshino-mura, Minamitsuru-gun
 Yamanashi 401-0597 Japan

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____
Execution Date(s): July 29, 2003

4. Application number(s) or patent number(s):

☒ This document is being filed together with a new application:(a) The execution date(s) of the application is/are: July 29, 2003(b) The title is: APPARATUS FOR DETECTING OR PREDICTING TOOL BREAKAGE
OR☐ This document is being filed after filing of the application:(a) Patent Application No(s). /, filed _____; or

(b) Patent No(s). _____, issued _____

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

STAAS & HALSEY LLP

Our Docket: 392.1816Attention: H. J. Staas

1201 New York Ave., N.W., Suite 700

Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Assignment)

☒ Enclosed☐ Authorized to be charged to deposit account.8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit account)

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.

09/16/2003 KZENBIE 00000046 10661572

02 FC:8021

40.00 DP

H. J. Staas, Reg. No. 22,010

Name of Person Signing

Signature

September 15, 2003

Date

Total number of pages including cover sheet: 2

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 PATENT
 REEL: 014501 FRAME: 0333

 03970 U.S. PTO
 10/661572
 09/15/03

U.S. ASSIGNMENT

SAH 7/94

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

FANUC LTD.

3580, Shibokusa, Aza-komanba, Oshino-mura,
Minamitsuru-gun, Yamanashi, 401-0597 Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

APPRATUS FOR DETECTING OR

PREDICTING TOOL BREAKAGE

relating to International Patent Application PCT/JP / and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on : (Insert date of execution of application, if not concurrent)

(b) filed on

Serial No. /

Any registered attorney of STAAS & HALSEY, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) Susumu Maekawa
Susumu MAEKAWA

29/7/2003

Harumi Omori
Harumi OMORI

2) Kuniharu Yasugi
Kuniharu YASUGI

29/7/2003

Harumi Omori
Harumi OMORI

3) _____

4) _____

RECORDED: 09/15/2003

PATENT
REEL: 014501 FRAME: 0334