

S&H 9/92

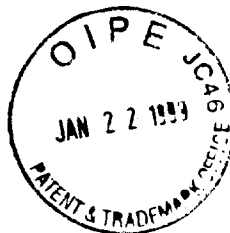
NO 1-22-99



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ents or copy thereof.

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1. Name of conveying parties:

- (1) Yukio KATSUZAWA
- (2) Yoshinobu MAEDA
- (3) Yasuyuki NAKAZAWA

2. Name and address of receiving party:

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

3. Nature of conveyance:

- Assignment Merger
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Execution Date(s): December 16, 1998

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: _____
 - (b) The title is: _____
- *** OR ***

This document is being filed after filing of the application:

- (a) Patent Application No(s). 09/215,240, filed December 18, 1998; or
- (b) Patent No(s). _____, issued _____.

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

STAAS & HALSEY Our Docket: 392.1603/JDH
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6. Total number of applications and patents involved: 1

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

- Enclosed
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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.

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Signature

January 22, 1999
Date

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U.S. ASSIGNMENT

5&H 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)

SPINDLE PROTECTIVE STRUCTURE IN SPINDLE-THROUGH COOLANT FEEDER

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) <u>Yukio Katsuzawa</u> Yukio KATSUZAWA	December 16, 1998	<u>Harumi Omori</u> Harumi OMORI
2) <u>Yoshinobu Maeda</u> Yoshinobu MAEDA	December 16, 1998	<u>Harumi Omori</u> Harumi OMORI
3) <u>Yasuyuki Nakazawa</u> Yasuyuki NAKAZAWA	December 16, 1998	<u>Harumi Omori</u> Harumi OMORI
4) <u>Yasuyuki Nakazawa</u>		
5) _____		
6) _____		