

C MRD

11-20-2000

FORM PTO-1595
(Rev. 6-93)
S&H 8/94

REC



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks

101521665

Copy thereof.

10.10.00

1. Name of conveying party(ies):

(1) Kazuhisa OTSUKA (2) Masaru ODA (3) Kenji TAKAHASHI

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

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

OCT 16

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other: Corrected RECORDATION FORM COVER SHEET, Reel/Frame 010865/0078

Execution Date(s): June 2, 2000

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: June 2, 2000
(b) The title is: AUTOMATIC BLADED TOOL CHANGER
*** OR ***

This document is being filed after filing of the application:

(a) Patent Application No(s). 09/592,867, filed June 13, 2000; 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: 392.1689/JDH
Attention: James D. Halsey, Jr.
700 Eleventh Street, N.W., Suite 500
Washington, D.C. 20001

6. Total number of applications and patents involved: 1

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

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.

James D. Halsey, Jr., Reg. No. 22,729
Name of Person Signing

Signature

Date

Total number of pages comprising cover sheet, attachments, and document: 6

DO NOT USE THIS SPACE

PATENT
REEL: 011246 FRAME: 0318

RECORDATION FORM COVER SHEET
PATENTS ONLY

S&H 9/92

To the Honorable Commissioner of Patents and Trademarks: Please record this document by the date of recording by thereof.

1. Name of conveying parties:

- (1) Kazuhisa OTSUKA
- (2) Masaru ODA
- (3) kENJI Takahashi

Handwritten: 110
6.13.0

~~06-23-2000~~
~~Barcode~~
101388775

1c844 U.S. PTO
09/592867
06/13/00

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
- Security Agreement
- Other: _____
- Merger
- Change of Name

Execution Date(s): June 2, 2000

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: June 2, 2000
- (b) The title is: AUTOMATIC BLADED TOOL CHANGER

*** OR ***

Handwritten: 09/592867

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
700 Eleventh Street, N.W.
Suite 500
Washington, D.C. 20001

Our Docket: 392.1689/ JDH

6. Total number of applications and patents involved: 1

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

- 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.

06/21/2000 09:00:00 00000057 09592867

02 FD 1501
Name of Person Signing: James D. Halsey, Jr., Reg. No. 02, 42, 92

Handwritten Signature

Signature

June 13, 2000
Date

Total number of pages comprising cover sheet: 2

DO NOT USE THIS SPACE

U.S. ASSIGNMENT

GBH 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)

AUTOMATIC BLADED TOOL CHANGER

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>Kazuhisa Otsuka</u> Kazuhisa OTSUKA	June 2, 2000	<u>Harumi Omori</u> Harumi OMORI
2)	<u>Masaru Oda</u> Masaru ODA	June 2, 2000	<u>Harumi Omori</u> Harumi OMORI
3)	<u>Kenji Takahashi</u> Kenji TAKAHASHI	June 2, 2000	<u>Harumi Omori</u> Harumi OMORI
4)	_____	_____	_____
5)	_____	_____	_____
6)	_____	_____	_____

PATENT

RECORDED: 10/16/2000

REEL: 011246 FRAME: 0320