

2.19.00



ET ONLY

TO THE ASSISTANT COMMISSIONER
SIR: PLEASE RECORD THE ATTACHMENT

101282303

HEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

- 1. Tsuginobu TOTANI
- 3. Akira KANDA
- 5. Jun KOIKE
- 7. Masahiro TAMAKI

- 2. Kiyoshi SASAKI
- 4. Yukio IIMURA
- 6. Fumiyuki KATOH
- 8. Yutaka YAMAGUCHI

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

JCS03 U.S. PTO
09/506681
02/18/00

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: TOSHIBA KIKAI KABUSHIKI KAISHA

ADDRESS: 2-11, Ginza 4-chome, Chuo-ku, Tokyo-to, Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

09/506681

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ASSIGNMENT OF WHOLE PART INTEREST
- ORIGINAL FACSIMILE/PHOTOCOPY
- CHANGE OF NAME VERIFIED TRANSLATION
- SECURITY MERGER OTHER:

EXEC. DATE: 1), 2), 3), 5), 6), 7) and 8) February 9, 2000 and 4) February 8, 2000

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) 1), 2), 3), 5), 6), 7) and 8) February 9, 2000 and 4) February 8, 2000

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 st INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 st INVENTOR if not in item 1
New Application	266371				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:
Pillsbury Madison & Sutro LLP
Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918

6. NUMBER INVOLVED:
APPLNS 1 + PATS = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

UNDER ORDER NO	41535	266371
dup. sheet not required	CLIENT NO.	MATTER NO.

5.5 ATTY DKT: 00000010 09506681
OPMS 266371 (10.00) 123248US

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.

Signature
Attorney: Glenn J. Perry
Reg. No. 28458
Atty/Sec: GJP/nlh

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) 3

Date: February 18, 2000
FAX: (202) 822-0944
TEL: (202) 861-3070

FILE WITH PTO RETURN RECEIPT (PAT-103A)

USA Patent Appln.
Sole or Joint

Atty. Dkt. 266371 | 123248US
MW Client Ref.

NONPROVISIONAL

NONPROVISIONAL

ASSIGNMENT OF NONPROVISIONAL APPLICATION

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT NAME(S) OF INVENTOR(S)	(1) Tsuginobu TOTANI	(4) Yukio IIMURA
	(2) Kiyoshi SASAKI	(5) Jun KOIKE
	(3) Akira KANDA	<input checked="" type="checkbox"/> x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT NAME(S) OF ASSIGNEE(S) & ADDRESS(ES)

TOSHIBA KIKAI KABUSHIKI KAISHA, of 2-11, Ginza 4-chome,
Chuo-ku, Tokyo-to, Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof, and all resulting patents, known as

TITLE OF INVENTION

"METHOD OF ESTIMATING A LIFE OF BALL SCREW INCLUDED IN ELECTRIC INJECTION MOLDING MACHINE AND LIFE ESTIMATING SYSTEM"

for which the undersigned executed an application for Letters Patent of the United States of America:

NOTE --> (Complete line A, B and/or C)

(A) even date herewith

(B) on _____

(C) in U.S. Appln. No. / filed _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE --> The undersigned hereby authorize(s) Cushman Darby & Cushman, L.L.P. of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

	<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSES</u>
1)	<u>Tsuginobu Totani</u> Name: Tsuginobu TOTANI	Feb. 9, 2000	<u>Hiroshi Hanai</u> Hiroshi HANAI
2)	<u>Kiyoshi Sasaki</u> Name: Kiyoshi SASAKI	Feb. 9, 2000	<u>Yutaka Owashi</u> Yutaka OWASHI
3)	<u>Akira Kanda</u> Name: Akira KANDA	Feb. 9, 2000	_____
4)	<u>Yukio Iimura</u> Name: Yukio IIMURA	2/8/00	_____
5)	<u>Jun Koike</u> Name: Jun KOIKE	2/9/00	_____

IF ADDITIONAL INVENTORS, check box and continue on page 2.

ASSIGNMENT

(Continued from page 1)

LISTING OF ADDITIONAL INVENTORSINSERT
NAME(S) OF
INVENTOR(S)

(6) Fumiyuki KATOH	(11)
(7) Masahiro TAMAKI	(12)
(8) Yutaka YAMAGUCHI	(13)
(9)	(14)
(10)	(15)

SIGNATURES OF ADDITIONAL INVENTORS/WITNESSES/DATES SIGNEDINVENTOR(S)DATE SIGNEDWITNESSES

6)	<u>Fumiyuki Katoh</u>	<u>2/9/00</u>	_____
Name:	Fumiyuki KATOH		
7)	<u>Masahiro Tamaki</u>	<u>Feb. 9, 2000</u>	_____
Name:	Masahiro TAMAKI		
8)	<u>Yutaka Yamaguchi</u>	<u>2/9/00</u>	_____
Name:	Yutaka YAMAGUCHI		
9)	_____	_____	_____
Name:			
10)	_____	_____	_____
Name:			
11)	_____	_____	_____
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12)	_____	_____	_____
Name:			
13)	_____	_____	_____
Name:			
14)	_____	_____	_____
Name:			
15)	_____	_____	_____
Name:			