



HEET ONLY

TO THE ASSISTANT COMMISSIONER
SIR: PLEASE RECORD THE ATTACHED DOCUMENTS OR COPY THEREOF.

102208853

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

- 1. Toshihiro KASAI
- 3. Junsuke KAWAI
- 5.
- 7.

8/27/02

- 2. Kazuhito KOBAYASHI
- 4. Fumiyuki KATOH
- 6.
- 8.

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

J1046 U.S. PTO
10/228187
06/27/02

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

NAME: Toshiba Machine co., Ltd.

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

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

10/228187

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: August 12, 2002

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) August 12, 2002

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	292692				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Winthrop LLP
Intellectual Property Group
P.O. Box 10500McLean, VA 22102

6. NUMBER INVOLVED:
APPLNS 1 + PATS 0 = TOTAL = 1

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

5.5 ATTY DKT:

P 292692	7TI-02S07830-1	8312	292692
MATTER NO.	CLIENT REF.	CLIENT NO.	MATTER NO.

9. 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.

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

Attorney: Glenn J. Perry

Reg. No. 28458

Atty/Sec: gjp/ml

TEL: (703) 905-2161

Date: August 27, 2002

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FILE WITH PTO RETURN RECEIPT (PAT-103A)

09/03/2002 TDIAZ1 00000014 033975 10228187
01 FC:581 40.00 CH

A S S I G N M E N T

In consideration of value received, I, having a residence and mailing address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

INJECTION UNIT OF INJECTION MOLDING MACHINE

said application having been filed on _____
and assigned Application No. _____ ;
sell and assign to _____
TOSHIBA MACHINE CO., LTD.
a corporation of Japan, having a business address at
2-11, 4-chome, Ginza, Chuo-ku, Tokyo, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent: (check one)

executed concurrently herewith;

executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U. S. Patent and Trademark Office for recordation of this document.

Pillsbury Winthrop LLP, 1600 Tysons Boulevard,
McLean, Virginia 22102



00909

PATENT
REEL: 013235 FRAME: 0821

ASSIGNMENT

02S0783-1

Inventor: (Signature)

Date

Residence and mailing address

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August 12, 2002

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