

FORM PTO-1595  
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TALW-0157

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101601649

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To The Honorable Commissioner of Patents and Trademarks  
thereof.

the attached original documents or copy

1. Name of conveying party(ies):

**Takayuki Kato and Takahiro Sugioka**

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

Name: **Kabushiki Kaisha Toyoda Jidoshokki Seisakusho**

Additional name(s) of conveying party(ies)  
attached? ( ) YES (XX) NO

Address: **2-1, Toyoda-cho, Kariya-shi, Aichi-ken,  
448-8671, Japan**

3. Nature of Conveyance:

(XX) Assignment ( ) Merger  
( ) Security Agreement  
( ) Change of Name  
( ) Other:

JAN 25 2001

Additional name(s) & address attached? ( ) YES (XX) NO

Execution Date(s): **November 6, 2000**

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)  
**09/713,181**

B. Patent No.(s)  
N/A.

Additional numbers attached? ( ) YES (XX) NO

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

Name: **Michael P. Dunnam, Esquire**

Internal Address: **WOODCOCK WASHBURN KURTZ  
MACKIEWICZ & NORRIS LLP  
One Liberty Place - 46th Floor  
Philadelphia, Pennsylvania 19103-7301**

Street Address: **WOODCOCK WASHBURN KURTZ  
MACKIEWICZ & NORRIS LLP  
One Liberty Place - 46th Floor  
1650 Market Street  
Philadelphia, Pennsylvania 19103-7301**

6. Total number of applications and patents involved:  
**One (1)**

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

(X) Enclosed

( ) Authorized to be charged to Deposit Account  
Number 23-3050

8. Please charge any deficiency or credit any  
overpayment to Deposit Account Number 23-3050

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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.*

**Michael P. Dunnam; 32,611**

*Michael P. Dunnam*

Signature

January 22, 2001  
Date

Total number of pages including cover sheet, attachments, and document: **2**

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

01/31/2001 6TON11 00000169 09713181

01 FC:581

40.00 OP

PATENT  
REEL: 011470 FRAME: 0352

# U.S. ASSIGNMENT

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

KABUSHIKI KAISHA TOYODA JIDOSHOKKI SEISAKUSHO

(Insert  
ASSIGNEE's  
Name(s)  
Address(es))

2-1, Toyoda-cho, Kariya-shi, Aichi-ken, 448-8671, 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)

MANUFACTURING METHOD OF PISTON WITH A HOLLOW SPACE FOR COMPRESSOR

AND PISTON MANUFACTURING MACHINE

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:

(Insert date  
of execution  
of application,  
if not  
concurrent)

(a) executed on \_\_\_\_\_;

(b) filed on 11/15/00  
Serial No. 09 / 713,181;

(\_\_\_\_\_) 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).

(Signatures)

1) Takayuki Kato Takayuki Kato November 6, 2000  
(SIGNATURE) (TYPE NAME) (DATE)

2) Takahiro Sugioka Takahiro Sugioka November 6, 2000  
(SIGNATURE) (TYPE NAME) (DATE)

3) \_\_\_\_\_  
(SIGNATURE) (TYPE NAME) (DATE)

4) \_\_\_\_\_  
(SIGNATURE) (TYPE NAME) (DATE)

5) \_\_\_\_\_  
(SIGNATURE) (TYPE NAME) (DATE)

6) \_\_\_\_\_  
(SIGNATURE) (TYPE NAME) (DATE)

**PATENT**  
**REEL: 011470 FRAME: 0353**

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KABUSHIKI KAISHA TOYODA JIDOSHOKKI SEISAKUSHO

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Serial No. 09 / 713,181 ;

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1) <u>Takayuki Kato</u> (SIGNATURE)	<u>Takayuki Kato</u> (TYPE NAME)	<u>November 6, 2000</u> (DATE)
2) <u>Takahiro Sugioka</u> (SIGNATURE)	<u>Takahiro Sugioka</u> (TYPE NAME)	<u>November 6, 2000</u> (DATE)
3) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
4) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
5) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
6) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
7) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
8) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)