

Director of the U.S. Patent and Trademark Office
Box Assignments
Washington, D.C. 20231

04-28-2000

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

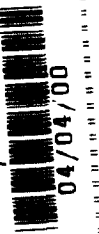


101338911

Attorney Docket No. 105900

MRD 44400

16525 U.S. PTO
04/28/00



To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof.

1. A. Name of conveying parties:
Mutsumi KANDA
Toshimi KASHIWAGURA
Fumiaki HATTORI
Yoshihiro NOMURA

B. Additional name(s) of conveying party(ies) attached?
 Yes No

2. A. Name and address of receiving party:
TOYOTA JIDOSHA KABUSHIKI KAISHA,
1, TOYOTA-CHO,
TOYOTA-SHI,
AICHI-KEN,
471-8571 JAPAN

3. A. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

B. Execution Date: March 27, 2000

B. Additional name(s) & address(es) attached?
 Yes No

4. A. If this document is being filed together with a new application, the execution date of the application is: 03-27-00
B. Patent Application No.(s) _____ C. Patent No.(s) _____
Additional numbers attached? Yes No

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

Name: James A. Oliff

Address: **OLIFF & BERRIDGE, PLC**
P.O. Box 19928
Alexandria, VA 22320

6. Total number of applications and patents involved 1
7. A. Total fee (37 CFR 3.41).....\$ 40.00
B. Enclosed (Check No. 68295)
8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

04/27/2000 39 APR 77 00000 60 09:54 3086
01 FC:581

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.

Thomas I. Pardini
James A. Oliff, Registration No. 27,075
Thomas I. Pardini, Registration No. 30,411

Date: April 4, 2000

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

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

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

TOYOTA JIDOSHA KABUSHIKI KAISHA
1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 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)

DIRECT FUEL INJECTION-TYPE SPARK-IGNITION
INTERNAL COMBUSTION ENGINE

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 March 27, 2000 ;
(b) filed on April 4, 2000 ;
Serial No. _____/_____ ;

(_____) 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) <u>Mutsumi Kanda</u> (SIGNATURE)	Mutsumi Kanda (TYPE NAME)	March 27, 2000 (DATE)
2) <u>Toshimi Kashiwagura</u> (SIGNATURE)	Toshimi Kashiwagura (TYPE NAME)	March 27, 2000 (DATE)
3) <u>Fumiaki Hattori</u> (SIGNATURE)	Fumiaki Hattori (TYPE NAME)	March 27, 2000 (DATE)
4) <u>Yoshihiro Nomura</u> (SIGNATURE)	Yoshihiro Nomura (TYPE NAME)	March 27, 2000 (DATE)
5) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
6) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
7) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
8) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)