

03-27-2000



Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231

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PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No. 105482

To the Assistant Commissioner for Patents: Please record the attached original document or copy thereof.

1. A. Name of conveying parties:  
Mamoru YOSHIOKA  
Kenichiro KAWASE  
Kiyoshi ASADA  
Noritake MITSUTANI

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

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

3. A. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

B. Execution Date: February 1, 2000

4. A. If this document is being filed together with a new application, the execution date of the application is: February 1, 2000

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. 106385)

8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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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.

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

Date: February 22, 2000

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

PATENT  
REEL: 010629 FRAME: 0742

# ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to **TOYOTA JIDOSHA KABUSHIKI KAISHA** (hereinafter referred to as "ASSIGNEE"), who has a business office at 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 Japan, the entire right, title, and interest in any and all inventions and improvements disclosed in, application(s) based upon, and Patent(s) granted upon the information which is disclosed in the application entitled:

AIR-FUEL RATIO VARIATION SUPPRESSING APPARATUS FOR  
INTERNAL COMBUSTION ENGINE

(File No. 105482 ) for which I (we) have executed an application for a United States Letters Patent on  
. (Application Serial No. \_\_\_\_\_ filed on February 22, 2000  
.)

2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application, or any division, continuation, substitute or reissue thereof, to the ASSIGNEE.

3) Agree to execute all papers and documents and perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof and/or the enforcement of patents resulting from such applications.

Signed on the date(s) indicated beside my (our) signature(s).

1) Mamoru Yoshioka Date: February 1, 2000  
Name: Mamoru YOSHIOKA

2) Kenichiro Kawase Date: February 1, 2000  
Name: Kenichiro KAWASE

3) Kiyoshi Asada Date: February 1, 2000  
Name: Kiyoshi ASADA

4) Noritake Mitsutani Date: February 1, 2000  
Name: Noritake MITSUTANI

Witness: Mitsutaka Ota Date: February 1, 2000  
Name:

Witness: Yuichi Kohara Date: February 1, 2000  
Name: