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22386 U.S. PTO



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Please record the attached original document or copy thereof.

1. A. Name of conveying parties:
Norihisa NAKAGAWA
Takahiko FUJIWARA

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:
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B. Execution Date: All) June 16, 2004

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 Yes No

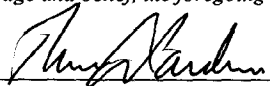
4. This document is being filed together with a new application. 10881177
A. Patent Application No.(s) _____ B. Patent No.(s) _____
Additional numbers attached? Yes No
C. Title of Application: AIR-FUEL RATIO CONTROL DEVICE FOR INTERNAL-COMBUSTION ENGINE

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. 155743)
8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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.

 Date: July 1, 2004
James A. Oliff Registration No. 27,075
Thomas J. Pardini Registration No. 30,411

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

07/08/2004 DBYRNE 00000108 10881177
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ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) Norihisa NAKAGAWA

(2) Takahiko FUJIWARA

who have made a certain new and useful invention, hereby sell, assign and transfer unto

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

its successors and assigns (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 entitled

Air-fuel Ratio Control Device for Internal-Combustion Engine

for which an application for United States Letters Patent was executed on even date herewith,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the international Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

1) Norihisa Nakagawa
Name: Norihisa NAKAGAWA

June 16, 2004

2) Takahiko Fujiwara
Name: Takahiko FUJIWARA

June 16, 2004