

OMB No. 6514-0011(exp-4/94)



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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original Documents or copy thereof.

1. Name of conveying party(ies): Masatomo KAKUYAMA, Akira TAYAMA Hirofumi TSUCHIDA and Shigeaki KAKIZAKI Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Nissan Motor Co., Ltd. Internal Address:

Street Address: 2, Takara-cho, Kanagawa-ku Yokohama-shi,

City: Kanagawa State: ZIP: 221-0023 Country JAPAN

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

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Execution Date: 11/07/00, 11/10/00, 11/09/00 and 11/08/00

10662 U.S. PTO 09/715181 11/20/00

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

9/715181

If this document is being filed together with a new application, the execution date of the application is: 11/07/00, 11/10/00, 11/09/00 and 11/08/00

A. Patent Application No.(s)

B. Patent No.(s)

Additional Application numbers attached? Yes No

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

Name: Shinjyu Global IP Counselors, LLP Internal Address:

Street Address: 1233 Twentieth Street, N.W. Suite 700 City: Washington State: D.C. ZIP: 20036

6. Total number of applications and patents involved:

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

- Enclosed Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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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.

David L. Tarnoff

Name of Person Signing

Signature

11/20/00 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 & Trademarks, Box Assignments Washington, D.C. 20231

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

NISSAN MOTOR CO., LTD.
2, Takara-cho, Kanagawa-ku
Yokohama-shi, Kanagawa 221-0023, JAPAN

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

AIR-FUEL RATIO CONTROLLER AND METHOD OF CONTROLLING AIR-FUEL RATIO

as set forth in his/her United States Patent Application

- executed concurrently herewith
- executed on _____
- Serial No. _____ Filed _____

in and to said United States Patent Application including any and all divisions or continuations and Convention applications based in whole or in part on said invention or upon said application, including the right to make applications for Letters Patents throughout the world in respect to the invention and to claim priority under the International Convention for the Protection of Industrial Property, and in and to any and all Letters Patent of any country which may issue on any such application or for said invention, including any and all reissues, reexaminations, or extensions, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he/she will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him/her relating to said invention or patent application and that he/she will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues, reexaminations, or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters patent of the United States for said invention;

Each of the undersigned hereby grants the firm of **Shinju Global IP Counselors, LLP** the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Masatomo Kakuyama Date: 11/7/2000
Name: Masatomo KAKUYAMA

Akira Tayama Date: 11/7/2000
Name: Akira TAYAMA

Hirofumi Tsuchida Date: 11/9/2000
Name: Hirofumi TSUCHIDA

Shigeaki Kakizaki Date: 11/7/2000
Name: Shigeaki KAKIZAKI