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Attorney Docket No. 112845

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1. A. Name of conveying parties:  
Makoto TANIGUCHI  
Katsuya MUTO

B. Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. A. Name and address of receiving party:  
DENSO CORPORATION  
1-1, SHOWA-CHO, KARIYA-CITY,  
AICHI-PREF., 448-8661, JAPAN

B. Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. A. Nature of conveyance:

☒ Assignment

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B. Execution Date: May 6, 2002

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

B. Patent Application No. 10/147,996

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**  
**Phone Number: 703-836-6400**  
**Fax Number: 703-836-2787**

6. Total number of applications and patents involved: 1

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James A. Oliff Registration No. 27,075  
Joel S. Armstrong Registration No. 36,430

Date: August 16, 2002

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PATENT  
REEL: 012995 FRAME: 0512

63519-US-SuS/yo

## ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Makoto TANIGUCHI (5) \_\_\_\_\_

(2) Katsuya MUTO (6) \_\_\_\_\_

(3) \_\_\_\_\_ (7) \_\_\_\_\_

(4) \_\_\_\_\_ (8) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee (9) DENSO CORPORATION

(10) Insert Address of Assignee (10) 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661, Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number (11) ABNORMALITY DETECTION APPARATUS OF VEHICLE AC GENERATOR

(Attorney Docket No. 112845)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application (12) on May 6, 2002

(13) Alternative Identification for filed applications (13) U.S. application Serial Number 10/147,996

filed May 20, 2002

1) The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict herewith.

6) The undersigned hereby grant(s) the firm of **OLIFF & BERRIDGE** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date May 6, 2002 Name of Inventor Makoto Taniguchi (SEAL)  
Makoto TANIGUCHI

Date May 6, 2002 Name of Inventor Katsuya Muto (SEAL)  
Katsuya MUTO

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date May 6, 2002 Witness Hiroshi Ishida

Date May 6, 2002 Witness Shigenobu Nakamura