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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):

Masaya HAKAKAWA
Tetsuaki NAGANO

12.16.02

2. Name and address of receiving party(ies):

MITSUBISHI DENKI KABUSHIKI KAISHA
2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310, JapanAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒
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Execution Date: November 12, 2002

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)
Not Yet AssignedAdditional numbers attached? ☐ Yes ☒ No

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

SUGHRUE MION, PLLC

WASHINGTON OFFICE



23373

PATENT TRADEMARK OFFICE

6. Total number of applications and patents involved:

1

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

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

Mail documents to be recorded with required cover sheet information to:

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Box Assignment

Washington, D.C. 20231

PATENT
REEL: 015111 FRAME: 0359

ASSIGNMENT

Whereas, I/we, Masaya HARAKAWA of both of Tokyo, Japan
and Tetsuaki NAGANO

hereinafter called assignor(s), have invented certain improvements in

SPEED CONTROL APPARATUS OF AC MOTOR

and executed an application for Letters Patent of the United States of America therefor on

November 12, 2002 ; and

Whereas, MITSUBISHI DENKI KABUSHIKI KAISHA,
of 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310,
(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United Japan
States and foreign patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including the rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director - U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

Date: November 12, 2002

s/

Masaya Harakawa

Date: November 12, 2002

s/

Tetsuaki Nagano

Date:

s/

Date:

s/

Date:

s/

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)