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OMB No. 0651-0027

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

1. Name of conveying party(ies)

Tosifumi KOJIMA
Hiroki TAKEUCHI
Kazushige OBAYASHI



3-18-02

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

NGK SPARK PLUG CO., LTD.
14-18, Takatsuji-cho, Mizuho-ku, Nagoya-shi, Aichi, Japan

Additional name(s) of conveying party(ies) attached? Yes

No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: February 5, 2002

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

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)
10/042,317

B. Patent No.(s)

Additional numbers attached? Yes No

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

SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):

\$40.00

- Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.
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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.

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March 18, 2002

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

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03/21/2002 GT0N11 00000247 10042317

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PATENT
REEL: 012694 FRAME: 0450

ASSIGNMENT

Whereas, I/we Tosifumi KOJIMA, Hiroki TAKEUCHI and Kazushige OBAYASHI
all of Aichi, Japan

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

**EMBEDDING RESIN, WIRING SUBSTRATE USING SAME AND
PROCESS FOR PRODUCING WIRING SUBSTRATE USING SAME**

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

February 5, 2002 ~~2001~~ and

Whereas, **NGK SPARK PLUG CO., LTD.**
14-18, Takatsuji-cho, Mizuho-ku, Nagoya-shi, Aichi, Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States 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, including the right to claim priority under 35 U.S.C. § 119, 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 will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application 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 10/042,317, filed January 11, 2002) the filing date and application number of said application when known.

Date: February 5, 2002 s/ Tosifumi Kojima

Date: February 5, 2002 s/ Hiroki Takeuchi

Date: February 5, 2002 s/ Kazushige Obayashi

Date: _____ s/ _____

Date: _____ s/ _____

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