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To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
 Masashi SAKAMOTO  
 Yoshikuni SATO  
 Keigo BANNO  
 Katsuya OTAKE  
 Takeshi MORITA  
 Hideki ISHIKAWA  
 Noboru ISHIDA

66.03

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
 NGK SPARK PLUG CO., LTD.  
 14-18 Takatsuji-cho,  
 Mizuho-ku, Nagoya, Aichi, Japan

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: 5/26/2003, 5/20/2003, 5/20/2003,  
 5/20/2003, 5/23/2003, 5/23/2003, 5/26/2003

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)  
 10/379,710

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  
 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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Abraham J. Rosner Reg. No. 33,276 June 6, 2003 Date

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## Assignment

Whereas, I/We, Masashi SAKAMOTO, Yoshikuni SATO, Keigo BANNO, Katsuya OTAKE, Takeshi MORITA, Hideki ISHIKAWA, Noboru ISHIDA c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan, respectively, hereinafter called assignor(s), have invented certain improvements in GAS SENSOR and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and

Whereas, NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, 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 of the 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 our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 10/379,710 and Confirmation number 5201, filed March 06, 2003) the application number and filing date of said application when known.

Date: May 26 2003 Masashi Sakamoto  
s/Masashi SAKAMOTO

Date: May 20 2003 Yoshikuni Sato  
s/Yoshikuni SATO

Date: May 20 2003 Keigo Banno  
s/Keigo BANNO

Date: May 20 2003 Katsuya Otake  
s/Katsuya OTAKE

Date: May 23 2003 Takeshi Morita  
s/Takeshi MORITA

Date: May 23 2003 Hideki Ishikawa  
s/Hideki ISHIKAWA

Date: May 26 2003 Noboru Ishida  
s/Noboru ISHIDA

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