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To the Director of the U.S. Patent

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See attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Kenichi KUMAGAI  
Teruyuki KONDO  
Kozo AMANO  
Kazuo YAMAZAKI  
Yoshihiro NAKAI  
Masatada NUMANO

1/30/06

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

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

SUMITOMO ELECTRIC INDUSTRIES, LTD.  
5-33, Kitahama 4-chome,  
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Osaka, Japan

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

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: January 27, 2006, January 27, 2006,  
January 27, 2006, January 30, 2006, January 30, 2006 and  
January 30, 2006, respectively

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: January 27, 2006,  
January 27, 2006, January 27, 2006, January 30, 2006, January 30, 2006 and January 30, 2006, respectively

A. Patent Application No.(s)

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

CUSTOMER NUMBER

## 6. Total number of applications and patents involved:

1

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

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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.

Abraham J. Rosner

Reg. No. 33,276

January 30, 2006

Date

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PATENT  
REEL: 017515 FRAME: 0574

# ASSIGNMENT

Whereas, I/we Kenichi KUMAGAI of Aichi, Japan  
 Teruyuki KONDO of Aichi, Japan  
 Kozo AMANO of Aichi, Japan  
 Kazuo YAMAZAKI of Osaka, Japan  
 Yoshihiro NAKAI of Osaka, Japan  
 Masatada NUMANO of Osaka, Japan

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

SPARK PLUG FOR INTERNAL COMBUSTION ENGINE

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

January 27, 2006; and

Whereas, 1. NGK SPARK PLUG CO., LTD.  
 14-18, Takatsuji-cho, Mizuho-ku, Nagoya-shi, Aichi, Japan  
 2. SUMITOMO ELECTRIC INDUSTRIES, LTD.  
 5-83, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, 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 \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

Date: January 27, 2006 s/ Kenichi Kumagai  
 Kenichi KUMAGAI  
 Date: January 27, 2006 s/ Teruyuki Kondo  
 Teruyuki KONDO  
 Date: January 27, 2006 s/ Kozo Amano  
 Kozo AMANO  
 Date: s/ \_\_\_\_\_  
 Kazuo YAMAZAKI  
 Date: s/ \_\_\_\_\_  
 Yoshihiro NAKAI  
 Date: s/ \_\_\_\_\_  
 Masatada NUMANO

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**PATENT**  
**REEL: 017515 FRAME: 0576**