

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Corrective assignment to re-record assignment to correct the second Assignor's name from Shouhei Yoshiyasu to Shohei Yoshiyasu previously recorded on Reel 016434 Frame 0198. Assignor (s) hereby confirms the Assignment.

CONVEYING PARTY DATA

Name	Execution Date
Makoto HIRASAWA	03/29/2005
Shohei YOSHIYASU	03/29/2005
Yoshiaki MATSUBARA	03/29/2005

RECEIVING PARTY DATA

Name:	NGK SPARK PLUG CO., LTD.
Street Address:	14-18, Takatsuji-cho, Mizuho-ku, Nagoya
City:	Aichi
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11092803

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	Abraham J. Rosner

Total Attachments: 2

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**PATENT
 REEL: 022376 FRAME: 0740**

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MODIFIED Form PTO-1595 (Rev. 10/02)

RECORDATA PA

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

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): Makoto HIRASAWA Shouhei YOSHIYASU Yoshiaki MATSUBARA 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 Additional name(s) & address(es) attached? Yes No

113007 U.S. PTO 11/092803 033005

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: March 29, 2005, March 29, 2005 and March 29, 2005, respectively

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: March 29, 2005 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes No

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 Enclosed. Authorized to be charged to Deposit Account No. 19-4880. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

5. Name and address of party to whom correspondence concerning document should be mailed: SUGHRUE MION, PLLC WASHINGTON OFFICE 23373 CUSTOMER NUMBER

8. Deposit Account Number: 19-4880 (Attach duplicate copy of this page if paying by deposit account)

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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 March 30, 2005 Date

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

Mail documents to be recorded with required cover sheet information to: MAIL STOP ASSIGNMENT RECORDATION SERVICES Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

04/08/2005 DBYRNE 00000013 11092803 (40.00 0)

Assignment S.Y. 02/20/2009

Whereas, I/We, Makoto HIRASAWA, ^{Shohei} Shohei YOSHIYASU and Yoshiaki MATSUBARA 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 March 29, 2005; and

Whereas, NGK SPARK PLUG CO., LTD., of 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 _____ and Confirmation number _____, filed _____) the application number and filing date of said application when known.

Date: March 29, 2005 Makoto Hirasawa
s/Makoto HIRASAWA

Date: March 29, 2005 Shohei Yoshiyasu
s/Shohei YOSHIYASU Shohei YOSHIYASU

Date: March 29, 2005 Yoshiaki Matsubara
s/Yoshiaki MATSUBARA S.Y. 02/20/2009

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