

# PATENT ASSIGNMENT

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| SUBMISSION TYPE:  | NEW ASSIGNMENT                          |
| NATURE OF CONVEYANCE:   | ASSIGNMENT                              |
| CONVEYING PARTY DATA  |   |
| Name  | Execution Date                          |
| Takaya YOSHIKAWA  | 08/24/2011                              |
| Tomohiro TAJIMA   | 08/24/2011                              |
| Hisaharu NISHIO   | 08/24/2011                              |
| Masao TSUZUKI   | 08/24/2011                              |
| Kunihiko YONEZU   | 08/24/2011                              |
| RECEIVING PARTY DATA  |   |
| Name:   | NGK SPARK PLUG CO., LTD.                |
| Street Address:   | 14-18, Takatsuji-cho, Mizuho-ku         |
| City:   | Nagoya-shi, Aichi                       |
| State/Country:  | JAPAN                                   |
| Postal Code:  | 4678525                                 |
| PROPERTY NUMBERS Total: 1   |   |
| Property Type   | Number                                  |
| Application Number:   | 13187945                                |
| CORRESPONDENCE DATA   |   |
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| Correspondent Name:   | SUGHRUE MION, PLLC                      |
| Address Line 1:   | 2100 PENNSYLVANIA AVENUE, N.W.          |
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| ATTORNEY DOCKET NUMBER:   | Q125578                                 |
| NAME OF SUBMITTER:  | Michelle L. Delozier for Abraham Rosner |
| Total Attachments: 1<br>source=Q125578_Assignment#page1.tif   |   |

OP \$40.00 13187945

**PATENT**

501682655

REEL: 027021 FRAME: 0649

## Assignment

Whereas, We, Takaya YOSHIKAWA; Tomohiro TAJIMA; Hisaharu NISHIO; Masao TSUZUKI; Kunihiro YONEZU c/o NGK SPARK PLUG CO., LTD. of 14-18, Takatsuji-cho, Mizuho-ku., Nagoya-shi, Aichi, 4678525, Japan, respectively, hereinafter called assignors, 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. of 14-18, Takatsuji-cho, Mizuho-ku., Nagoya-shi, Aichi, 4678525, 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,

We, the above named assignors, 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 all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and 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 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.

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 13/187,945 and Confirmation number 7213, filed July 21, 2011) the application number and filing date of said application when known.

Date: August 24, 2011 Takaya Yoshikawa  
s/Takaya YOSHIKAWA

Date: August 24, 2011 Tomohiro Tajima  
s/Tomohiro TAJIMA

Date: August 24, 2011 Hisaharu Nishio  
s/Hisaharu NISHIO

Date: August 24, 2011 Masao Tsuzuki  
s/Masao TSUZUKI

Date: August 24, 2011 Kunihiro Yonezu  
s/Kunihiro YONEZU

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