

08-02-2006

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To the Director of the U.S. Patent and Trademark Office, _____ documents or the new address(es) below.

1. Name of conveying party(ies)
Kazuhiro Urashima
Tatsuharu Ikawa
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: NGK SPARK PLUG CO., LTD.
Internal Address: _____
Street Address: 14-18 Takatsuji-cho
City: Mizuho-ku, Nagoya
State: _____
Country: JAPAN Zip: 467-8525
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s) June 12, 2006; June 8, 2006
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s)
11/449,107
B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Mark Kusner, KUSNER & JAFFE
Internal Address: Highland Place - Suite 310
Street Address: 6151 Wilson Mills Road
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State: Ohio Zip: 44143
Phone Number: (440) 684-1095
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Email Address: mkusner@kusnerjaffe.com

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
a. Credit Card Last 4 Numbers 6537
Expiration Date 10/08
b. Deposit Account Number 50-0537 (add'l charges only)
Authorized User Name Mark Kusner

9. Signature: Mark Kusner Signature Date 28 July 2006
Mark Kusner, Reg. No. 31,115 Name of Person Signing
Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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**ATTACHMENT FOR RECORDATION FORM COVER SHEET
PATENTS ONLY (Form PTO-1595)**

1. Name of conveying party(ies):

Mitsuo Shiraishi

Hiroshi Sumi

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

Yes No

2. Name and address of receiving party(ies)

Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

Name and address of receiving party(ies)

Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

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)

B. Patent No.(s)

Additional numbers attached?

Yes No

For: U.S. Rights
For: U.S. Application
By: Inventors

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS:

Kazuhiro Urashima
Aichiken
Kohnansi
JAPAN
Nationality: Japan

Tatsuharu Ikawa
Aichiken
Niwagon
JAPAN
Nationality: Japan

Mitsuo Shiraishi
Aichiken
Kasugaisi
JAPAN
Nationality: Japan

Hiroshi Sumi
Aichiken
Ichinomiya
JAPAN
Nationality: Japan

hereby sell, assign and transfer to

ASSIGNEE:

NGK Spark Plug Co., Ltd.
14-18 Takatsuji-cho
Mizuho-ku, Nagoya 467-8525
JAPAN
State or Country of Formation: Japan

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

WIRING SUBSTRATE

and which is found in (37 C.F.R. Section 3.21) U.S. Patent Application No. 11/449,107, that was filed on June 8, 2006 and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

Assignment of Invention--page 1 of 2

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

We have hereunto set hand on the date(s) set forth below.

Date: Jun. 12. 2006

Kazuhiro Urashima

Signature of Kazuhiro Urashima

Date: Jun. 8. 2006

Tatsuharu Ikawa

Signature of Tatsuharu Ikawa

Date: Jun 8. 2006

Mitsuo Shiraishi

Signature of Mitsuo Shiraishi

Date: Jun 8. 2006

Hiroshi Sumi

Signature of Hiroshi Sumi

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