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Docket No.: P09427US00/RFH

1. Name of conveying party(ies):

1. Syouji ONO
2. Tetsuo SUEHIRO
3. Jyunichi ICHIKAWA
4. Keiji TAKAGI
5. Manabu SATO

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

Name: NGK Spark Plug Co., LTD.
 Street Address: No. 14 - 18, Takatsuji-cho, Mizuho-ku, Nagoya
 City + Address: Aichi, Japan

3. Nature of conveyance

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

Execution Date(s):

1. 01-11-2008
2. 01-11-2008
3. 01-11-2008
4. 01-11-2008
5. 01-11-2008

4. Application number(s) or patent number(s)

- ☐
- This document is filed together with a new application.

A. Patent Application No.(s)

12/017,975

B. Patent No.(s)

5. Name and address to whom correspondence should be directed:

Name: Ross F. Hunt, Jr.
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 Telefax: 703-739-9577 • Telephone: 703-739-4900 • CUSTOMER NO. 00881

6. Total number of applications and patents involved:

#1

7. Total fee (37 CFR 1.21(h) & 3.41)

- ☒ Payment by attached CREDIT CARD PAYMENT FORM (PTO-2038)
 (Any insufficiency of fee herewith is authorized to be charged to Deposit Account 12-0555)

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Douglas E. Jackson

Name of person signing



Signature

January 30, 2008

Date

Total number of pages including cover sheet, attachments and documents: 1

Documents to be recorded (including cover sheet) should be faxed to 571-273-0140.
 For assistance call: 571-272-3350

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PATENT
REEL: 020443 FRAME: 0135

OP \$40.00 12017975

ASSIGNMENT OF PATENT APPLICATION

(US rights only - all US rights assigned by inventors to a single assignee)

WHEREAS,

- (1) Syouji ONO
(2) Tetsuo SUEHIRO
(3) Jyunichi ICHIKAWA
(4) Keiji TAKAGI
(5) Manabu SATO

residing respectively at

- (1) 2-23-6 Kawasaki, Ise-shi, Mie, Japan
(2) 1-178 Sotobori, Komaki-shi, Aichi, Japan
(3) 4-56 Ryokuennishi, Kagamigahara-shi, Gifu, Japan
(4) 12 Senna, Higashimachi, Iwakura-shi, Aichi, Japan
(5) 2-7 Nakasugi-cho, Kita-ku, Nagoya-shi, Aichi, Japan

(hereinafter referred to as the "ASSIGNOR") has/have invented certain new and useful improvements in DIPLEXER AND MULTIPLEXER USING THE SAME

for which an application for a United States Patent

- ☒ was executed on even date herewith
☐ was executed on _____, 200__
☐ was filed on _____, 200__ as Serial No.: _____

And WHEREAS NGK SPARK PLUG CO., LTD.whose Post Office Address is No. 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan

(hereinafter referred to as the "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America, and any Letters Patent which may issue therefor in the United States and all divisions, continuations, reissues, renewals and/or extensions thereof,

NOW THEREFORE in consideration of the sum of ten U.S. dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the ASSIGNOR does hereby assign, sell, transfer and set over unto the ASSIGNEE the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America, and any Letters Patent which may issue

therefor in the United States and all divisions, continuations, reissues, renewals and/or extensions thereof, said ASSIGNEE to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, continuations, reissues, renewals and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made.

And for the consideration aforesaid, ASSIGNOR agrees that ASSIGNOR will communicate to said ASSIGNEE or the representatives thereof any facts known to ASSIGNOR respecting the invention(s) and improvement(s) of the said United States application, and will, upon request, but without expense to ASSIGNOR, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said ASSIGNEE or by counsel for said ASSIGNEE, to assist or enable said ASSIGNEE to obtain and enforce full benefits from the rights and interests herein assigned.

This assignment shall be binding upon the ASSIGNOR's heirs, executors, administrators, successors and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of the ASSIGNEE.

The Commissioner of Patents is requested to issue such Letters Patent in accordance with this assignment.

I hereby authorize and request any attorney of record in said Application or any attorney of Stites & Harbison, PLLC, Customer No. 00881, to insert above any information concerning the identity of the parties or of said Application (including the serial no. and filing date).

- (1) Signature: Shoji Ono Date: January 11, 2008
Name: Syouji ONO
- (2) Signature: Tetsuo Suehiro Date: January 11, 2008
Name: Tetsuo SUEHIRO
- (3) Signature: Jyunichi Ichikawa Date: January 11, 2008
Name: Jyunichi ICHIKAWA
- (4) Signature: Keiji Takagi Date: January 11, 2008
Name: Keiji TAKAGI
- (5) Signature: Manabu Sato Date: January 11, 2008
Name: Manabu SATO