

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Shinnosuke MAEDA</td><td>12/16/2010</td></tr><tr><td>Tetsuo SUZUKI</td><td>12/16/2010</td></tr><tr><td>Takuya HANDO</td><td>12/16/2010</td></tr><tr><td>Satoshi HIRANO</td><td>12/16/2010</td></tr><tr><td>Atsuhiko SUGIMOTO</td><td>12/16/2010</td></tr><tr><td>Tatsuya ITO</td><td>12/16/2010</td></tr></tbody></table>		Name	Execution Date	Shinnosuke MAEDA	12/16/2010	Tetsuo SUZUKI	12/16/2010	Takuya HANDO	12/16/2010	Satoshi HIRANO	12/16/2010	Atsuhiko SUGIMOTO	12/16/2010	Tatsuya ITO	12/16/2010
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RECEIVING PARTY DATA															
<table border="1"><tr><td>Name:</td><td>NGK SPARK PLUG CO., LTD.</td></tr><tr><td>Street Address:</td><td>14-18, Takatsuji-cho, Mizuho-ku</td></tr><tr><td>City:</td><td>Nagoya-shi, Aichi</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr></table>		Name:	NGK SPARK PLUG CO., LTD.	Street Address:	14-18, Takatsuji-cho, Mizuho-ku	City:	Nagoya-shi, Aichi	State/Country:	JAPAN						
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PROPERTY NUMBERS Total: 1															
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CORRESPONDENCE DATA															
Fax Number: (703)739-9577 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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ATTORNEY DOCKET NUMBER:	P10251US00/JAH														
NAME OF SUBMITTER:	Sheila M. Price														

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PATENT
REEL: 025623 FRAME: 0490

Total Attachments: 2

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PATENT

REEL: 025623 FRAME: 0491

ASSIGNMENT OF PATENT APPLICATION

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

WHEREAS,

1) Shinnosuke MAEDA, Tetsuo SUZUKI, Takuya HANDO and Satoshi HIRANO
residing respectively at
1) Aichi, Japan

2) Atsuhiko SUGIMOTO and Tatsuya ITO
residing respectively at
2) Gifu, Japan

(hereinafter referred to as the "ASSIGNOR") has/have invented certain new and useful
improvements in MULTILAYERED WIRING SUBSTRATE

for which an application for a United States Patent

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

And WHEREAS, NGK SPARK PLUG CO., LTD.

whose Post Office Address is 14-18, Takatsuji-cho, Mizuho-ku, Nagoya-shi, 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

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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 Nos. 00881, 24350 or 32885, to insert above any information concerning the identity of the parties or of said Application (including the serial no. and filing date).

<u>NAME</u>	<u>SIGNATURE</u>	<u>DATE</u>
1) Shinnosuke MAEDA	<u>Shinnosuke Maeda</u>	<u>December 16</u> , 2010
2) Tetsuo SUZUKI	<u>Tetsuo Suzuki</u>	<u>December 16</u> , 2010
3) Atsuhiko SUGIMOTO	<u>Atsuhiko Sugimoto</u>	<u>December 16</u> , 2010
4) Tatsuya ITO	<u>Tatsuya Ito</u>	<u>December 16</u> , 2010
5) Takuya HANDO	<u>Takuya Hando</u>	<u>December 16</u> , 2010
6) Satoshi HIRANO	<u>Satoshi Hirano</u>	<u>December 16</u> , 2010