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To the Homorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. I. Name of conveying party(ies): March 4, 2002 Date Homorable Commissioner of Patents and Signature. Total number of pages including cover sheet, attachments, and documents: 2 March 4, 2002 Abrasam J. Rosner March 4, 2002 Date Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks Date Sassing Date Date Sassing Date Date Date Date Date Date Date Date	OMB No. 0651-0027	102015742		
Hiroki TAKELCHI Toshifum KOIMA Kazushige OBAYASHI Additional name(s) of conveying party(ies) attached? Yes No Additional name(s) of conveyance: Assignment Merger Assignment Change of Name Other Other 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: February 20, 21 and 2002 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes No Name and address of party to whom correspondence concerning document should be mailed: SUGHRUE MION, PLLC 2100 Pempsylvania Avenue, N.W. Suite 800 Washington, D.C. 20037-3213 ONOT USE THIS SPACE 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. March 4, 2002 Date		arks: Please record the attached original documents or copy thereof.		
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Additional name(s) of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: February 20, 21 and 20, 2002 Additional name(s) & address(es) attached? Yes No 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: February 20, 21 and 2002 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes No Name and address of party to whom correspondence concerning document should be mailed: SUGRIKCE MION, PLLC 2100 Pennsylvania Avenue, N.W. Suite 800 Washington, D.C. 20037-3213 B. Patent No.(s) 7. Total fee (37 CFR 3.41): \$40.00 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880. (Attach duplicate copy of this page if paying by deposit account) B. Deposit account number: 19-4880 Authorized to be charged to deposit account No. 19-4880. Abraham J. Rosner Reg. No. 33,276 Total number of pages including cover sheet, attachments, and documents: 2 Total number of pages including cover sheet, attachments, and documents: 2 Total number of pages including cover sheet, attachments, and documents: 2 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks Box Assignment		, co		
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> PATENT REEL: 012656 FRAME: 0953

ASSIGNMENT

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For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name	and
addres	s of
assign	ee

NGK SPARK PLUG CO., LTD. 14-18, Takatsuji-cho, Mizuho-ku, Nagoya-shi, Aichi 467-8525 Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of invention WIRING CIRCUIT BOARD AND METHOD FOR PRODUCING SAME

as set forth in his/her United States Patent Application

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in and to said United States Patent Application including any and all divisions or continuations and Convention applications based in whole or in part on said invention or upon said application, including the right to make applications for Letters Patents throughout the world in respect to the invention and to claim priority under the International Convention for the Protection of Industrial Property, and in and to any and all Letters Patent of any country which may issue on any such application or for said invention, including any and all reissues, reexaminations, or extensions, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not be made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he/she will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him/her relating to said invention or patent application and that he/she will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues, reexaminations, or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention; United States for said invention;

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names and	Hingki Takeuchi	_date <u>@2/20/2</u> 002	<u>Jishifumi Kojima</u>	date <u>_02/20/2002</u>
signatures	Name: Hiroki Takeuchi		Name: Toshifumi K	ojima
of inventors	Kayuhaye Obayashi Name: Kazushige Obayash		Name:	date

RECORDED: 03/04/2002

PATENT REEL: 012656 FRAME: 0954