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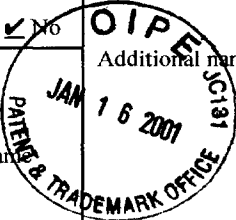


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APPENDIX B

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DOCKET NO. 789_049 NP

Form PTO 1595		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. Department of Commerce
<p><i>1-16-01</i></p> <p>To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents on hand thereof.</p>				
1. Name of conveying party(ies) Yukihisa TAKEUCHI, Tsutomu NANATAKI, Koji IKEDA, Koji KIMURA, and Kazuyoshi SHIBATA Additional name(s) of conveying parties attached <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: NGK Insulators, Ltd. Address: 2-56, Suda-Cho, Mizuho-Ku, Nagoya-City, Aichi-Prefecture, 467-8530 Japan Additional name(s) attached? <input checked="" type="checkbox"/> No		
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment ___ Merger ___ Security Agreement ___ Change of Name ___ Other Execution Date <u>December 18, 2000</u>				
4. Application number(s) or patent number(s) If this document is being filed together with a NEW APPLICATION , the execution date of this application is _____. A. Patent Application No.(s) 09/671,669 filed September 27, 2000 B. Patent No.(s) Additional Numbers attached? <input checked="" type="checkbox"/> No				
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Stephen P. Burr Address: BURR & BROWN P.O. Box 7068 Syracuse, NY 13261-7068 Telephone: (315) 233-8300 Facsimile: (315) 233-8320		6. Total number of application and patents involved: <u> 1 </u> 7. Total fee (37 CFR 3.4) \$40.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge any deficiency or credit any over payment to Deposit Account No. 50-1446. 8. Charge Deposit Account _____		
DO NOT 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. <div style="display: flex; justify-content: space-between;"> <div style="flex-grow: 1;"> <i>[Signature]</i> Stephen P. Burr Reg. No. 32,970 </div> <div style="text-align: right;"> <u>January 12, 2001</u> Date Total Number of Pages Comprising Cover Sheet <u>3</u> </div> </div>				
OMB NO 0651-0011(EXP. 4/94)				
001 JADD01 00000090 09671669		DO NOT DETACH THIS PORTION		
Mail documents to be recorded with required cover sheet information to: COMMISSIONER OF PATENTS AND TRADEMARKS BOX ASSIGNMENTS WASHINGTON D.C. 20231				

PATENT
REEL: 011440 FRAME: 0188

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)	(1) <u>Yukihisa TAKEUCHI</u>	(5) <u>Kazuyoshi SHIBATA</u>
	(2) <u>Tsutomu NANATAKI</u>	(6) _____
	(3) <u>Koji IKEDA</u>	(7) _____
	(4) <u>Koji KIMURA</u>	(8) _____

In consideration of the sum of dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert name of Assignee	(9) <u>NGK Insulators, Ltd.</u>
(10) Insert address of Assignee	(10) <u>2-56, Suda-Cho, Mizuho-Ku,</u> <u>Nagoya-City, Aichi-Prefecture 467-8530, Japan</u>

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(11) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number	(11) <u>PIEZOELECTRIC/ELECTROSTRICTIVE DEVICE AND METHOD OF MANUFACTURING SAME (Case No. 789 049 NP (00P249GA-US00))</u>
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for which the undersigned have executed an application for patent in the United States of America

(12) Insert Date of Signing of Application	(12) on <u>December 18, 2000</u>
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(13) Alternative identification	(13) U.S. Application(s) Serial Number(s) <u>09/671,669</u> for filed application(s) filed <u>September 27, 2000</u>
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1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) **Stephen P. Burr**, of **BURR & BROWN** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date December 18, 2000 Signature Yukihisa Takeuchi (SEAL)
Yukihisa TAKEUCHI

Date December 18, 2000 Signature Tsutomu Nanataki (SEAL)
Tsutomu NANATAKI

Date December 18, 2000 Signature Koji Ikeda (SEAL)
Koji IKEDA

Date December 18, 2000 Signature Koji Kimura (SEAL)
Koji KIMURA

Date December 18, 2000 Signature Kazuyoshi Shibata (SEAL)
Kazuyoshi SHIBATA

Date _____ Signature _____ (SEAL)

Date _____ Signature _____ (SEAL)

Date _____ Signature _____ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. or (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date December 18, 2000 Witness Miyuki Tokairin

Date December 18, 2000 Witness Kuniko Bando