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RECORDATION FORM COVER SHEET Form PTO 1595 U.S. Department of Commerce U.S. Patent and Trademark Office PATENTS ONLY To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents on hand thereof. Name of conveying party(ies) Name and address of receiving party(ies): Kazuaki YAMAGUCHI and Yoshinobu GOTO Name: NGK Insulators, Ltd. Address: Additional name(s) of conveying parties attached No 2-56, Suda-Cho, Mizuho-Ku Nagoya-City, Aichi-Prefecture 467-8530 Japan 3. Nature of Conveyance: Assignment Merger Change of Name Additional name(s) attached? VNo Security Agreement Other Execution Date February 7, 2003 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 February 7, 2003. B. Patent No.(s) A. Patent Application No.(s) Additional Numbers attached? ___ Yes _ No Total number of application and patents involved: 1 Name and address of party to whom correspondence concerning this document should be mailed: Stephen P. Burr Name: Address: BURR & BROWN Total fee (37 CFR 3.41) \$40.00 P.O. Box 7068 Syracuse, NY 13261-7068 Enclosed Telephone: (315) 233-8300 Authorized to charge any deficiency or credit any over payment to Deposit Account No. 50-1446. Facsimile: (315) 233-8320 DO NOT USE THIS SPACE Statement and Signature: To the best of any knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. March 24, 2003 Stephen P. Burr Reg. No. 32,97 Total Number of Pages Comprising Cover Sheet 3 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231 /31/2003 MIOHOMI

REEL: 013908 FRAME: 0304

Our Docket No.: 811 031

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)	(1)	Kazuaki YAMAGUCHI	(5)		
	(2)	Yoshinobu GOTO	(6)		
	(3)		(7)		
	(4)		(8)		
(9) Insert name of Assignee	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) NGK Insulators, Ltd.				
(10) Insert address of Assignee	(10)	10) <u>2-56, Suda-cho, Mizuho-ku, Nagoya-city, Aichi-prefecture, 467-8530 Japa</u> n			
(11) Insert Identification of Invention, such as Title, Case Number or Foreign Application	Unite	d States, its territories, dependentions for patent and any Lette	nee) the entire right, title and interest for the encies and possessions, in the invention, and all ers Patent which may be granted therefor, known AND SUPPORTING STRUCTURES OF AND SUPPORTING MEMBERS THEREOF		
Number	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 February 7, 2003			
(13) Alternative identification	(13)	U.S. Application(s) Serial Number(s) for filed application(s) filed			

- 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.

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- 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) the firm **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).

	uary 7, 2003	_ Signature	Karnaki VAMAGUCHI	(SEAL)
	uary 7, 2003	_ Signature	Kazuaki YAMAGUCHI Joshinobu Goto Yoshinobu GOTO	
Date		_ Signature		(SEAL)
Date		_ Signature		(SEAL)
Date		_ Signature		(SEAL)
Date		_ Signature		(SEAL)
Date		_ Signature		(SEAL)
Date		_ Signature		(SEAL)
This a (b) a U.S. Consign here:	ssignment should usul if outside the	preferably be si U.S.A. If neithe	igned before: (a) a Notary Public if within the Uer, then it should be signed before at least two w	.S.A. or itnesses who also
Date		_ Witness		
Date		_ Witness		

PATENT REEL: 013908 FRAME: 0306