09/913353 518 Rec'd PCT/PTO 13 AUG 2001

U.S. PATENT AND TRADEMARK OFFICE

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APPENDIX B

DOCKET NO. 789_071

RECORDATION FORM COVER SHEET PATENTS ONLY U.S. Department of Consmerce							
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents on hand thereof.							
Name of conveying party(ies)	2. Name and address of receiving party(ies):						
Shuhei ISHIKAWA, Tsutomu MITSUI, Ken SUZUKI, Nobuaki NAKAYAMA, Hiroyuki TAKEUCHI and Seiji YASUI	Name: NGK Insulators, Ltd. Address: 2-56, Suda-Cho, Mizuho-Ku Nagoya, Aichi-Prefecture 467-8530 Japan Additional name(s) attached? ✔ No						
Additional name(s) of conveying parties attached No	10-10-2001 101868934						
3. Nature of Conveyance: ✓ Assignment Merger Security Agreement Change of Name Other							
Execution Date July 2, 2001							
4. Application number(s) or patent number(s)							
If this document is being filed together with a NEW APPLIC.							
A. Patent Application No.(s)	B. Patent No.(s) 09913555						
Additional Num	bers attached? ✓ No						
Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of application and patents involved: 1						
Name: Stephen P. Burr							
Address: BURR & BROWN P.O. Box 7068 Syracuse, NY 13261-7068 Telephone: (315) 233-8300 Facsimile: (315) 233-8320	7. Total fee (37 CFR 3.4) \$40.00 Enclosed Authorized to charge any deficiency or credit any over payment to Deposit Account No. 50-1446.						
DO NOT U	SE THIS SPACE						
8. 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. August 13, 2001 Stephen P. Burr Reg. No 32,970 Total Number of Pages Comprising Cover Sheet 3							
OMB NO 0651-0011(EXP. 4/94)							
DO NOT DETACH THIS PORTION							
Mail documents to be recorded with required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17/2001 DEDUVITE 00000013 099 1335 required cover sheet information to: 17							

PATENT REEL: 012218 FRAME: 0894

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)	(1)	Shuhei ISHIKAWA	(5)	Hiroyuki TAKEUCHI		
	(2)	Tsutomu MITSUI	(6)	Seiji YASUI		
	(3)	Ken SUZUKI	(7)			
	(4)	Nobuaki NAKAYAMA	(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)	(9) NGK INSULATORS, LTD.				
(10) Insert address of Assignee	(10) 2-56, SUDA-CHO, MIZUHO-KU, NAGOYA-CITY, AICHI-PREF. 467-8530, JAPAN					
	(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	(11)	HEAT SINK MATERIAL AND METHOD OF PRODUCING THE SAME				
Number or Foreign Application Number				(Case No.)	
	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>July 2, 2001</u>				
(13) Alternative identification	(13)	U.S. Application(s) Serial I 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) 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 _	July 02. 2001	Signature	Skuker Ishika	WW Shuhei ISHIKAWA	_(SEAL)
Date	July 02.2001	Signature	Tsutomu Mits		_(SEAL)
Date _	July 02,2001	Signature	Ken Juzuki	Ken SUZUKI	_(SEAL)
Date _	July 02,2001	Signature	Nobuaki Na	Rayama Nobuaki NAKAYAMA	(SEAL)
Date _	Tuly . 02.2001	Signature	Heroyuki	Takeucki Hiroyuki TAKEUCHI	_(SEAL)
Date _	July. 02,2001	Signature	Seiji yasui	Seiji YASUI	(SEAL)
Date _					_(SEAL)
Date _		Signature			(SEAL)
U.S. Co sign he	onsul if outside the U.S.A.	If neither, then	gned before: (a) a Notary Pula it should be signed before a fame of the fame o	it least two witnesse	

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RECORDED: 08/13/2001