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DOCKET NO. 782\_118

	U.S. Department of Commerce FORM COVER SHEET NTS ONLY						
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):						
1. Name of conveying party(ies)  Akifumi NISHIO, Masahiro HORI and 9.1.000  Naohito YAMADA	Name: NGK Insulators, Ltd. Address: 2-56, Suda-Cho, Mizuho-Ku, Nagoya-City, Aichi-Prefecture, 467-8530						
Additional name(s) of conveying parties attached 💆 No	Japan						
3. Nature of Conveyance:	Additional name(s) attached? 🗸 No						
✓ Assignment Merger Security Agreement Change of Name Other							
Execution Date May 17, 2000							
4. Application number(s) or patent number(s)							
If this document is being filed together with a NEW APPL	ICATION, the execution date of this application is						
A. Patent Application No.(s)	B. Patent No.(s)						
09/558,058 filed April 26, 2000							
Additional Num	nbers attached? <u>✓</u> 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	7. Total fee (37 CFR 3.4) \$40.00						
Address: BURR & BROWN P.O. Box 7068 Syracuse, NY 13261-7068	<ul> <li>✓ Enclosed</li> <li>✓ Authorized to charge any deficiency or credit any over payment to Deposit Account No. 50-1446.</li> </ul>						
Telephone: (315) 233-8300 Facsimile: (315) 233-8320	8. Charge Deposit account						
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9. Statement and Signature:							
To the best off, my knowledge and belief, the foregoing information original document.  Stephen P. Burn  Reg. No. 32,970	nation is true and correct and any attached copy is a true copy of the  August 29, 2000  Date  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:							
80X V	PATENTS AND TRADEMARKS ASSIGNMENTS GTON D.C. 20231						
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PATENT REEL: 011071 FRAME: 0835

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## ASSIGNMENT

(1) Akifumi NISHIO, (5)
(2) <u>Masahiro HORI</u> , (6)
(3) Naohito YAMADA, (7)
(4)
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) 2-56, Suda-Cho, Mizuho-Ku, Nagoya City, Aichi Pref., 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) GAS FEED CERAMIC STRUCTURE FOR SEMICONDUCTOR-
PRODUCING APPARATUS (Case No)
for which the undersigned has (have) executed an application for patent in the United States of America
• ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
United States of America

- 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 attents 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 atterest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

PATENT REEL: 011071 FRAME: 0836

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	6)	The	unders	igned	hereby	grant(s)	the f	irnı c	of WAI	L,	MARJA	MA	& BIL	INSKI	the pow	er to	insert	on (
assignm	ent	any	further	identi	ification	which	may l	oe ne	cessary	or	desirable	in o	rder to	comply	with th	e rule	s of th	ne U
States P	ater	it an	d Trad	emark	Office	recorda	tion o	f this	docun	ent								

In witness whereof, e	executed by the undersigned on the date(s) opposite the un	dersigned name(s).
DateMay 17, 20	000 Name of Inventor Aifumi Nish	(SEAL)
	Name of Inventor Akifumi NISHIC	(SEAL)
DateMay 17, 20	000 Name of Inventor Masahina Hori	(SEAL)
Date	Name of Inventor Masahiro HORI	(SEAL)
Date <u>May 17, 20</u>	000 Name of Inventor <u>Nashits</u> Jamada	
	Naohito YAMADA Name of Inventor	
Date	Name of Inventor	(SEAL)
Date	Name of Inventor	(SEAL)
	d preferably be signed before: (a) a Notary Public if within the r, then it should be signed before at least two witnesses who	
Date May 17,	2000 Witness Kayoke Kato	
May 17,	2000	

RECORDED: 09/01/2000 REEL: (

PATENT REEL: 011071 FRAME: 0837