

Our Docket No.: 939_031

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FORM COVER SHEET U.S. Department of Commerce U.S. Patent and Trademark Office					
Form PTO 1595 RECORDATION FORM COVER SHEET 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.					
2. Name and address of receiving party(ies):					
Name: NGK Insulators, Ltd.					
Address: 2-56, Suda-cho, Mizuho-Ku Nagoya-shi, Aichi-ken 467-8530 JAPAN					
-					
Additional name(s) attached? ✔ No					
LICATION, the execution date of this application is					
B. Patent No.(s)					
ers attached? Yes 💆 No					
6. Total number of application and patents involved: 1					
o. Total number of application and patents involved. <u>1</u>					
7. Total fee (37 CFR 3.41) \$40.00					
 ✓ Enclosed ✓ Authorized to charge any deficiency or credit any over 					
payment to Deposit Account No. 50-1446.					
8. Charge Deposit account					
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002 NRUCHA1 00000016 10057005 Commissioner of Patents and Trademarks					
ox Assignments ington, D.C. 20231					

PATENT REEL: 012730 FRAME: 0442

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)	(1)	Sugio MIYAZAWA	(5)	
	(2)		(6)	
	(3)		(7)	
	(4)		(8)	
	valua		dollar (\$1.00) and other good and of the undersigned, the undersigned agree(s) transfer and set over to	
(9) Insert name of Assignee	(9)	NGK INSULATORS,	LTD	
(10) Insert address of Assignee	(10)	2-56, Suda-cho, Mizuho-ku, Nagoya-shi, Aichi-ken 467-8530 JAPAN		
(11) Insert Identification of Invention, such as Title, Case	Unite all ap know	d States, its territories, dependent and any line as	gnee) the entire right, title and interest for the dencies and possessions, in the invention, and Letters Patent which may be granted therefor, OR HIGH INTENSITY DISCHARGE LAM	
Number or Foreign Application Number			(Case No. 939 031)	
		hich the undersigned have exess of America	ecuted an application for patent in the United	
(12) Insert Date of Signing of Application	(12)	on		
(13) Alternative identification	(13)		Tumber(s) <u>10/057,995</u> October 29, 2001	
any continuing or divisional	applica		sary in connection with the application and ute separate assignments in connection with ent.	

- 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) T	he undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and
all Letters Pat	ents of the United States resulting from said application or any divisions or continuing
applications th	nereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has
(they have) fu	Il right to convey the entire interest herein assigned, and that he has (they have) not executed and
will not execu	te, any agreement in conflict herewith.

6)	The undersigned hereby	grant(s) Stephen P. Burr,	of BURR & A	BROWN the power	to insert o	n this
assignment	any further identification	which may be necessary	or desirable i	in order to comply	with the n	ıles of
the United	States Patent and Tradem	ark Office recordation of	this documen	ıt.		

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

Date <u> 6 24 20</u>	Signature Sugio MIYAZ	CAWA (SEAL)
Date	Signature	(SEAL)
This assignment U.S. Consul if outside the sign here:	t should preferably be signed before: (a) a None U.S.A. If neither, then it should be signed	otary Public if within the U.S.A. or (b) a before at least two witnesses who also
Date	Witness	
Date	Witness	

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RECORDED: 03/26/2002