05-31-2000 APPENDIX B DOCKET NO. 789 047 Form PTO 1595 U.S. Department of Com-T 101369260 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): Kazuyuki MIZUNO, Takami HIRAI, NGK Insulators, Ltd. Yasuhiko MIZUTANI and Hiroyuki ARAI Address: 2-56, Suda-Cho, Mizuho-Ku, Nagoya-City, Aichi-Prefecture, 467-8530 Additional name(s) of conveying parties attached No and Nature of Conveyance: Name: Hiroyuki Arai Assignment Merger Address: 615-11, Imajukuhigashi-Cho, Asahi-Ku, Security Agreement Change of Name Yokohama-City, Kanagawa-Prefecture, 241-0032 Other Execution Date May 11, 2000 Additional name(s) attached? 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 May 11, 2000 A. Patent Application No.(s) B. Patent No.(s) Additional Numbers attached? V No Name and address of party to whom correspondence Total number of application and patents involved: 1 concerning this document should be mailed: Name: Stephen P. Burr Address: WALL MARJAMA BILINSKI & BURR Total fee (37 CFR 3.4) \$40.00 101 South Salina Street, Suite 400 Syracuse, NY 13202

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May 16, 2000 Date

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PATENT

REEL: 010811 FRAME: 0711

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)	(1)	Kazuyuki MIZUNO	(5)					
	(2)	Takami HIRAI	(6)					
	(3)	Yasuhiko MIZUTANI	(7)					
	(4)	Hiroyuki ARAI	(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) NGK INSULATORS, LTD. and Hiroyuki ARAI							
(10) Insert address of Assignee	(10)	2-56, Suda-cho, Mizuho-ku, Nagoya-city, Aichi-pref. 467-8530, JAPAN						
		and 615-11, Imajukuhigasi 241-0032, JAPAN	and 615-11, Imajukuhigashi-cho, Asahi-ku, Yokohama-city, Kanagawa-pref 41-0032, JAPAN					
	Unite applie	(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)	ANTENNA DEVICE						
	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 May 11, 2000						
(13) Alternative identification	(13)	U.S. Application(s) Serial 1 filed	Number(s)	_ for filed application(s)				

- 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.

PATENT REEL: 010811 FRAME: 0712

- 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 WALL MARJAMA BILINSKI & BURR 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 ur	adersigned on	the date(s) opposit	e the unde	rsigned name(
Date _	May 11, 2000	Signature	May	uzuki h	ujuno		(SEAL)
						Kazuyuki	MIZUNO
Date _	May 11, 2000	Signature	- Gar	eami_	Hira	<u>1</u> Takami ⊦	(SEAL)
Date _	May 11, 2000	Signature	- Your	vhìho	Miza	Yasubika	(SEAL)
Date _	May 11, 2000	Signature	Your Thin	oynki	Man	Hiroyuki	(SEAL)
Date _							(SEAL)
Date _		Signature					(SEAL)
Date _		Signature		·			(SEAL)
Date _		Signature					(SEAL)
U.S. C sign he	Consul if outside the U		n it should be s	signed befo	re at least	two witne	
Date_	May 11, 2000	Witness	Miyus	ki J	Okai	rin	
Date_	May 11, 2000	Witness	maki	Sot	C		

RECORDED: 05/16/2000