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		1031687	66		Attorney Docket No. 125286		
	Ple	ase record the attached orig	ginal de	inal document or copy thereof.			
1.	A. Name of conveying parties:		2.	Α.	Name and address of receiving party:		
	Shuichi ICHIKAWA Takashi MIZUTANI Additional name(s) of convey	ring party(ies) attached? □ Yes ⊠ No			NGK INSULATORS, LTD. 2-56, SUDA-CHO, MIZUHO-KU, NAGOYA-CITY, AICHI-PREFECTURE, 467-8530 JAPAN		
3.	A. Nature of conveyance:			B.	Additional name(s) & address(es) attached?		
		Merger					
	Security Agreement	Change of Name					
	Other						
	B. Execution Date: All) Augu	st 29, 2005					
4.	☐ This document is being filed	together with a new applica	ition.				
	A. Patent Application No.(s)	_		B.	Patent No.(s)		
	and the second second	Additional numbers atta	i iched?		Yes 🛮 No		
	C. Title of Application: <u>CERA</u>	MIC FILTER STRUCT	<u>ruri</u>	<u> </u>			
5.	Name and address of party to who concerning document should be ma		6.	Tota	l number of applications and patents involved: 1		
	Name: James A. Oliff		7.	A .	Total fee (37 CFR 3.41)\$ 40.00		
					Enclosed (Check No. 170573_)		
	Address: OLIFF & BERRIDGE, P.O. Box 19928		8.		lit any overpayment or charge any underpayment to sit account number 15-0461.		

PATENT REEL: 017512 FRAME: 0102

			ASSIG	NMENT			7 × 2 ^{±1} •	
		(1)	Shuichi ICI	IIKAWA	(5)			
(1-8)	Insert	(2) _	Takashi MI	ZUTANI	(6)			
	Name(s) of Inventor(s)	(3) _			(7)			
		(4)						
			consideration of the su of the undersigned, each	ım of one dolla	r (\$1.00) and o	other good and valual	ole consideration pai	
(9)	Insert Name of Assignee	(9)	NGK Insulat	tors, L	td.			
(10)	Insert Address of Assignee		2-56, Suda			u. Nagoya-	city.	
		the entir invention divisions	Aichi-prefecture, 467-8530 Japan (hereinaster designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. § 100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as					
(11)	Insert	(11)	CERAMIC FI	LTER ST	RUCTURE			
	Identification such as Title, Case							
	Number, or Foreign Application Number	(Attorne	y Docket No.					
			h the undersigned has (date herewith or	have) executed	an application	for patent in the Uni	ited States of Americ	
(12)	Insert Date of Signing of Application	(12) o	n					
(13)	Alternative Identification for	(13) L	J.S. application Serial 1					
	filed applications	filed _						
applica any app the Ass claims reexam from sa herein a binding	1) Each undersigned agree applications for the invention tions and patents as the Assigned agree olication or continuation or dignee in every way possible in 3) Each undersigned agree or provisions of the Internation 4) Each undersigned agree in the agrant of a valid Unit 5) Each undersigned authorid application(s) to the said assigned, and that he has not so no him and his heirs, succes 6) Each undersigned herebeation that may be necessary tion of this document.	n, and any p gnee may de is to execute ivision there in obtaining is to execute onal Conven is to perform ted States provided States provided Assignee, as executed, ar issors, assign by grants the or desirable	atent(s) issuing thereorem necessary. all papers necessary in of, or any patent or reisevidence and going for all papers and docume tion for Protection of It all affirmative acts whatent to the Assignee. quests the Director of P Assignee of the entire id will not execute, any said legal representation firm of OLIFF & BERR in order to comply with	connection wissue application ward with such nits and perform dustrial Properich may be necessatents to issue interest, and coagreements in ves.	th any interferent based thereon interference. In any act which rity or similar a ressary to obtain any and all Let wenants that he conflict herewipower to insert the United State.	assignments in connince which may be determined invention, a may be necessary in greements. In, maintain or confiniters Patents of the Uniters Patents of the Uniters Patent in the confith, and agrees that the on this assignment as Patent and Tradema	ection with such schared concerning and to cooperate with connection with m by reissue or nited States resulting vey the entire intereshis assignment is	
	In witness whereof, execu	•	•		1/1	O(1/I)		
Date	August 29, 2		_ Inventor Signa			Schrikowa		
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Date	· ···		Inventor Signa	ture		·	(SEAL)	

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If

neither, then it should be signed before at least two witnesses who also sign here:

Date

Date Date

> **PATENT REEL: 017512 FRAME: 0103**

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		(1) <u>Situ</u>	CIII ICHIKAWA	<u>, (2) </u>	···
(1-8)	Insert	(2) <u>Taka</u>	shi MIZUTANI	(6)	
	Name(s) of Inventor(s)	(3)		(7)	
		(4)		(8)	
				ollar (\$1.00) and other good a ed agrees to assign, and hereb	
(9)	Insert Name of Assignee	(9) NGK	Insulators,	T.t.d.	
(10)	Insert Address of			Mizuho-ku, Nag	rova-city.
	Assignee	Aich	i-prefecture	467-8530 Jap d Assignee's heirs, successors, as	oan
		the entire right, t invention, and in divisional, contin	itle and interest for the Un all applications for paten nuation, substitute, and re	d Assignee's heirs, successors, as nited States of America as defin t including any and all provision issue application(s), and all Le t may be granted on the invention	ned in 35 U.S.C. §100, in the onal, non-provisional, ters Patent, extensions,
(11)	Insert	(11) CER.	AMIC FILTER	STRUCTURE	
	Identification such as Title, Case Number, or Foreign Application Number	(Attorney Docke	ı No.		
		for which the und on even date here	_ , ,	ited an application for patent in	n the United States of America
(12)	Insert Date of				
	Signing of Application	(12) on			
(13)	Alternative	(13) U.S. appl	cation Serial Number		
()	Identification for filed applications			-	
any app the Ass claims of reexami from sa herein a binding	plication or continuation or dignee in every way possible 3) Each undersigned agree or provisions of the Internati 4) Each undersigned agree ination a grant of a valid Unit 5) Each undersigned authorid application(s) to the said assigned, and that he has not on him and his heirs, succes 6) Each undersigned hereb	s to execute all paper vision thereof, or an obtaining evidence in obtaining evidence so to execute all paper or operation for so to perform all affirited States patent to trizes and requests the assignee, as Assigne executed, and will necess, assigns and legy grants the firm of the evidence of the states of the firm of the states of the states of the states of the firm of the states	rs necessary in connection y patent or reissue application and going forward with a rs and documents and per Protection of Industrial Promative acts which may be the Assignee. e Director of Patents to is e of the entire interest, and the execute, any agreement al representatives. DLIFF & BERRIDGE, PLC	with any interference which nation based thereon, for the invalue interference. form any act which may be necessary to obtain, maintain excessary to obtain, maintain accessary to all Letters Patents decovenants that he has full right in conflict herewith, and agree the power to insert on this assigns the United States Patent and	ention, and to cooperate with essary in connection with or confirm by reissue or of the United States resulting ht to convey the entire interest ess that this assignment is gnment any further
	In witness whereof, execu	ed by the undersig	ned on the date(s) oppos	ite the undersigned name(s).	,
Date	August 29, 2		.,,,,	Shuichi Schikan	(SEAL)
Date	August 29, 2			Takashi Mizutani	
Date		_		7.71/24 71 2000000	
Date					
naithar	This assignment should pre-	erably be signed bef	ore: (a) a Notary Public if	within the U.S.A. (b) a U.S. Co	
	then it should be signed befo		J		
Date _					
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RECORDED: 09/07/2005

PATENT REEL: 017512 FRAME: 0104