

07/27/04

**Our Docket No.:** 789 123 07-30-2004 RJ ET U.S. Department of Commerce Form PTO 1595 U.S. Patent and Trademark Office 102802457 To the Honorable Commissioner of Patents and 114 ginal documents on hand thereof. Name and address of receiving party(ies): Name of conveying party(ies) Yukihisa TAKEUCHI, Tsutomu NAKATAKI, Name: NGK Insulators, Ltd. Iwao OHWADA and Takayoshi AKAO Address: 2-56, Suda-Cho, Mizuho-Ku Additional name(s) of conveying parties attached Mo Nagoya-City, Aichi-Prefecture 467-8530 Nature of Conveyance: Assignment Security Agreement Change of Name Additional name(s) attached? VNo Other Execution Date July 15, 2004 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 . A. Patent Application No.(s) B. Patent No.(s) 10/808,258 Additional Numbers attached? \_\_\_ Yes \_\_\_ No Name and address of party to whom correspondence Total number of application and patents involved: 1 concerning this document should be mailed: Stephen P. Burr Total fee (37 CFR 3.41) \$40.00 Address: BURR & BROWN Enclosed P.O. Box 7068 Authorized to charge any deficiency or credit any over Syracuse, NY 13261-7068 payment to Deposit Account No. 50-1446. Telephone: (315) 233-8300 Facsimile: (315) 233-8320 Charge Deposit account DO NOT USE THIS SPACE 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. July 26, 2004 Stephen Pl Burr Date -No. 32,970 o Total Number of Pages Comprising Cover Sheet 4 Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services 07/28/#004 MAHMED1 00000023 10808258 Director of the US Patent and Trademark Office P.O. Box 1450 40.00 OP 05 FC:802 Alexandria, VA 22313-1450

> PATENT REEL: 015609 FRAME: 0100

## **ASSIGNMENT**

	<del></del>				
Yukihisa T	AKEUCHI (ator 1)				
(mventor 1)					
Tsutomu NANATAKI					
(Inventor 2)					
Iwao OHWADA					
(Inventor 3)					
Tolographi AVAO					
Takayoshi AKAO (Inventor 4)					
(Inver	itor 5)				
(Inventor 6)					
(Hivelitor b)					
(Inventor 7)					
(Inventor 8)					
各々の署名人に対して支払われた総額 1 ドル In consideration of the sum of dollar (\$1.00)					
(\$1.00) および他の適切な有価約因を考慮し	and other good and valuable consideration paid				
て、本署名人(ら)は、	to each of the undersigned, the undersigned				
	agree(s) to assign, and hereby does assign, transfer and set over to				
	transfer and set over to				
Name of Assignee <u>NGK INSULATORS</u> ,					
Address of Assignee 2-56, Suda-cho, Mizuho-ku					
<u>Nagoya-City, Aichi-P</u> <u>Japan</u>	re1., 407-8330				
Japan					
(以降譲受人と称する) に対して、以下に示	(hereinafter designated as the Assignee) the				
される発明、本発明に関する全ての特許出願	entire right, title and interest for the United				
及び全ての特許権に関する合衆国、その領	States, its territories, dependencies and				
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し、その結果、譲渡および移転し、	which may be granted therefor, known as				
DISPLAY APPARATUS, METHOD OF DRIVING DISPLAY APPARATUS,					
ELECTRON EMITTER, METHOD OF DRIVING ELECTRON EMITTER,					
APPARATUS FOR DRIVING ELECTRON EMITTER, ELECTRON EMISSION					
APPARATUS, AND METHOD OF DRIVING ELECTRON EMISSION APPARATUS					
(Docket No. 789 123)					

Page 1 of 3

(Identification of Invention, such as Title, Case Number or Foreign Application Number)

前記発明は、本前記署名人が下記の日付・出 願番号でアメリカ合衆国において特許出願を 履行したものである。 for which the undersigned have executed an application for patent in the United States of America

on July 15, 2004

(Insert Date of Signing of Application)

## U.S. Application(s) Serial Number(s) 10/808,258 filed March 24, 2004 (Alternative identification)

- 1) 本署名人(ら) は本出願、その継続出願およびその分割出願に関する全ての必要書類を履行することに同意し、譲受人が必要と思われる、これらの出願に関して別途譲渡証を履行することに同意する。
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- 3) 本署名人(ら) は、すべての用紙および書類を履行し、国際工業所有権保護協定の請求もしくは規定もしくは類似協定に関して必要ないかなる行為を施行することに同意する。
- 4) 本署名人(ら)は、前記譲受人に対して、有効な米国特許の許可を取得するために必要なすべての積極的な行為を履行することに同意する。
- 5) 本署名人(ら)は、本出願もしくはその分割出願もしくはその継続出願から発生したすべての米国特許を、全ての利益の譲受人として前記譲受人に対して発行することを特許庁長官に許可および請求し、署名人(ら)はここに譲渡される全ての利益を譲渡するためのすべての権利を有し、対立関係にある協定を過去に履行することもなく、もしくは将来履行しないことを誓約する。

- 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.
- 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) 本署名人(ら)は、この書類の記録 上、米国特許商標庁の規定に従うために 必要もしくは所望の追加確認事項をこの 譲渡証に記入するための権利が、バー& ブラウン弁護士事務所(Burr & Brown)に 付与されていることをここに承認する。 6) The undersigned hereby grant(s) the firm 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 15, 2	2004	Signature	Yukihisa Takeuchi Name: Yukihisa TAKEUCHI	_(SEAL)	
Date_	July 15, 2	004	Signature	Teutomu Vanataki Name: Tsutomu NANATAKI	_(SEAL)	
Date_	July 15, 2	004	Signature	Name: Iwao OHWADA	_(SEAL)	
Date	July 15, 2	004	Signature	<u>Jakayoshi Akao</u> Name: Takayoshi AKAO	_(SEAL)	
Date			Signature	Name:	_(SEAL)	
Date			Signature	Name:	_(SEAL)	
Date			Signature	Name:	_(SEAL)	
Date			Signature	Name:	_(SEAL)	

**RECORDED: 07/26/2004**