

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>MAKOTO IWAI</td> <td>02/13/2013</td> </tr> <tr> <td>TAKAYUKI HIRAO</td> <td>02/13/2013</td> </tr> <tr> <td>TAKASHI YOSHINO</td> <td>02/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	MAKOTO IWAI	02/13/2013	TAKAYUKI HIRAO	02/13/2013	TAKASHI YOSHINO	02/13/2013
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MAKOTO IWAI	02/13/2013								
TAKAYUKI HIRAO	02/13/2013								
TAKASHI YOSHINO	02/13/2013								
RECEIVING PARTY DATA									
Name:	NGK INSULATORS, LTD.								
Street Address:	2-56, SUDA-CHO, MIZUHO-KU, NAGOYA-CITY								
City:	AICHI-PREFECTURE								
State/Country:	JAPAN								
Postal Code:	467-8530								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14167667</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14167667				
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Application Number:	14167667								
CORRESPONDENCE DATA									
Fax Number:	(703)717-9392								
Phone:	703-717-9350								
Email:	cgoode@cermaknakajima.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	TOMOKO NAKAJIMA								
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ATTORNEY DOCKET NUMBER:	1027-0050								
NAME OF SUBMITTER:	CHRISTOPHER GOODE								
Signature:	/Christopher Goode/								
Date:	01/29/2014								

PATENT

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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Attorney Ref. No.:

COMBINED ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

FILMS OF NITRIDES OF GROUP 13 ELEMENTS AND LAYERED BODY INCLUDING
THE SAME

which (check only one item below):

is attached hereto:

was filed on _____ as United States Application Number or PCT International Application Number
_____ and was amended on _____ (if applicable).

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor (if only one name is listed below) or an original joint inventor (if plural names are listed below) of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine, or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

THIS ASSIGNMENT, by IWAI, Makoto, HIRAO, Takayuki and YOSHINO, Takashi, (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements set forth in an application for Letters Patent of the United States identified above,

WHEREAS, NGK INSULATORS, LTD., a corporation duly organized under and pursuant to the laws of Japan and having a principal place of business at 2-56, Suda-cho, Mizuho-ku, Nagoya-city, Aichi-prefecture, 467-8530, JAPAN (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and

Attorney Ref. No.:

interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Cermak Nakajima LLP, of Alexandria, Virginia, to insert in the spaces provided above the filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

FULL LEGAL NAME OF SOLE OR FIRST INVENTOR	IWAI, Makoto
Signature	<i>Makoto Iwai</i>
Date	<i>Feb. 12nd, 2013</i>
FULL LEGAL NAME OF SECOND INVENTOR, IF ANY	HIRAO, Takayuki
Signature	<i>Takayuki Hirao</i>
Date	<i>Feb. 13rd, 2013</i>

FULL LEGAL NAME OF THIRD INVENTOR, IF ANY	YOSHINO, Takashi
Signature	Takashi Yoshino
Date	Feb. 13rd 2013