



12-02-2002



Our Docket No.: 789\_086 US-CIP

Form PTO 1595

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**PATENTS ONLY**

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents on hand thereof.

<p>1. Name of conveying party(ies)</p> <p>Yukihisa TAKEUCHI, Tsutomu NANATAKI, Natsumi SHIMOGAWA and Kazuhiro YAMAMOTO</p> <p>Additional name(s) of conveying parties attached <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: NGK Insulators, Ltd.</p> <p>Address: 2-56, Suda-Cho, Mizuho-Ku Nagoya, Aichi-Prefecture 467-8530 Japan</p>
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11-25-02

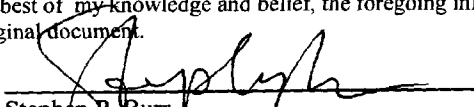
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement      <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other</p> <p>Execution Date <u>November 7, 2002</u></p>	<p>Additional name(s) attached? <input checked="" type="checkbox"/> No</p>
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<p>4. Application number(s) or patent number(s)</p> <p>If this document is being filed together with a <b>NEW APPLICATION</b>, the execution date of this application is _____.</p> <table border="1"> <tr> <td data-bbox="112 945 722 1102"> <p>A. Patent Application No.(s)</p> <p>10/230,869 filed August 29, 2002</p> </td> <td data-bbox="722 945 1396 1102"> <p>B. Patent No.(s)</p> </td> </tr> </table> <p>Additional Numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>A. Patent Application No.(s)</p> <p>10/230,869 filed August 29, 2002</p>	<p>B. Patent No.(s)</p>
<p>A. Patent Application No.(s)</p> <p>10/230,869 filed August 29, 2002</p>	<p>B. Patent No.(s)</p>		

<p>5. Name and address of party to whom correspondence concerning this document should be mailed:</p> <p>Name: Stephen P. Burr</p> <p>Address: BURR &amp; BROWN P.O. Box 7068 Syracuse, NY 13261-7068 Telephone: (315) 233-8300 Facsimile: (315) 233-8320</p>	<p>6. Total number of application and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$40.00</p> <p><input checked="" type="checkbox"/> Enclosed  <input checked="" type="checkbox"/> Authorized to charge any deficiency or credit any over payment to Deposit Account No. 50-1446.</p> <p>8. Charge Deposit account</p>
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<p>9. 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.</p> <p></p> <p>Stephen P. Burr Reg. No. 32,970</p> <p style="text-align: right;">November 19, 2002 Date</p> <p style="text-align: center;">Total Number of Pages Comprising Cover Sheet <u>3</u></p>
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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

# ASSIGNMENT

- (1-4) Insert Name(s) of Inventor(s)
- (1) Yukihisa TAKEUCHI
- (2) Tsutomu NANATAKI
- (3) Natsumi SHIMOGAWA
- (4) Kazuhiro YAMAMOTO

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

- (5) Insert name of Assignee (5) NGK Insulators, Ltd.
- (6) Insert address of Assignee (6) 2-56, Suda-Cho, Mizuho-Ku  
Nagoya, Aichi-Prefecture 467-8530  
Japan

(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

- (7) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (7) DISPLAY DEVICE AND METHOD FOR PRODUCING THE SAME  
(Case No. 789 086 US-CIP) (02P087GA-US01)

for which the undersigned have executed an application for patent in the United States of America

- (8) Insert Date of Signing of Application (8) on November 7, 2002
- (9) Alternative identification (9) U.S. Application(s) Serial Number(s) 10/230,869 filed August 29, 2002

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.

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) 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 November 7, 2002 Signature *Yukihisa Takeuchi* (SEAL)  
Yukihisa TAKEUCHI

Date November 7, 2002 Signature *Tsutomu Nanataki* (SEAL)  
Tsutomu NANATAKI

Date November 7, 2002 Signature *Natsumi Shimogawa* (SEAL)  
Natsumi SHIMOGAWA

Date November 7, 2002 Signature *Kazuhiro Yamamoto* (SEAL)  
Kazuhiro YAMAMOTO

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

Witness *Sanae Takahashi*

Witness *Femomi Sugiyama*