

04-28-2003

Our Docket No.: 789_112

Form PTO 1595

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SHEET

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PATENTS ONLY

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

1. Name of conveying party(ies)

Kunihiko NAKAGAKI, Hideyuki SUZUKI,
Sang Jae LEE and Osamu NAKASONEAdditional name(s) of conveying parties attached ☒ No

2. Name and address of receiving party(ies):

Name: NGK Insulators, Ltd.
Address: 2-56, Suda-Cho, Mizuho-Ku
Nagoya-City, Aichi-Prefecture 467-8530
Japan

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ OtherExecution Date March 21, 2003Additional name(s) attached? ☒ No

4. 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 March 21, 2003.

A. Patent Application No.(s)

B. Patent No.(s)

Additional Numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Stephen P. Burr

Address: BURR & BROWN
P.O. Box 7068
Syracuse, NY 13261-7068
Telephone: (315) 233-8300
Facsimile: (315) 233-83206. Total number of application and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

☒ Enclosed
☒ Authorized to charge any deficiency or credit any over payment to Deposit Account No. 50-1446.

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8. 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.

Stephen P. Burr
Reg. No. 32,970April 21, 2003
DateTotal Number of Pages Comprising Cover Sheet 3

Mail documents to be recorded with required cover sheet information to:

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04/21/2003 DTESSM1 00000007 10419391

02 FEB 2003

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PATENT
REEL: 013991 FRAME: 0170

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)	(1) <u>Kunihiko NAKAGAKI</u>	(5) _____
	(2) <u>Hideyuki SUZUKI</u>	(6) _____
	(3) <u>Sang Jae LEE</u>	(7) _____
	(4) <u>Osamu NAKASONE</u>	(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) <u>NGK INSULATORS, LTD.</u>
(10) Insert address of Assignee	(10) <u>2-56, SUDA-CHO, MIZUHO-KU, NAGOYA-CITY, AICHI-PREF. 467-8530, JAPAN</u>

(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) <u>NOx-DECOMPOSING ELECTRODE AND NOx CONCENTRATION-MEASURING APPARATUS</u> _____ <div style="text-align: right;">(Case No. _____)</div>
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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 <u>March 21, 2003</u>
(13) Alternative identification	(13) U.S. Application(s) Serial Number(s) _____ for filed application(s) filed _____

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) Stephen P. Burr, 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 March 21, 2003 Signature Kunihiko Nakagaki (SEAL)
Kunihiko NAKAGAKI

Date March 21, 2003 Signature Hideyuki Suzuki (SEAL)
Hideyuki SUZUKI

Date March 21, 2003 Signature Sang Jae Lee (SEAL)
Sang Jae LEE

Date March 21, 2003 Signature Osamu Nakasone (SEAL)
Osamu NAKASONE

Date _____ Signature _____ (SEAL)

Date _____ Signature _____ (SEAL)

Date _____ Signature _____ (SEAL)

Date _____ Signature _____ (SEAL)

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 Tomomi Sugiyama

Witness Rira Tanaka