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U.S. PATENT AND TRADEMARK OFFICE

H140 TMOG77

APPENDIX B

DOCKET NO. 789_034

01-20-2000

Form PTO 1595

U.S. Department of Commerce



101247388

To the Honorable Commissioner of Patents

Original documents on hand thereof.

1. Name of conveying party(ies)

Takashi Ota, Masashi Fukuyama and
Kazutoshi TohyamaAdditional 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

and

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ OtherExecution Date October 22, 1999Name: NGK Optoceramics Co., Ltd.
Address: 2-56, Suda-Cho, Mizuho-Ku,
Nagoya-City, Aichi-Prefecture, 467-8530
JapanAdditional 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 _____

A. Patent Application No.(s)

B. Patent No.(s)

09/367,729

Additional Numbers attached? ☒ No

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

Name: Stephen P. Burr

Address: WALL MARJAMA BILINSKI & BURR
101 South Salina Street, Suite 400
Syracuse, NY 13202
Telephone: (315) 425-9000

11/10/1999 PWLPE 00000005 09/367,729 425-9114

02 FC:381

40.00 DP

6. Total number of application and patents involved: 1

7. Total fee (37 CFR 3.4) \$40.00

☒ Enclosed
☒ Authorized to charge any deficiency or credit any over payment to
Deposit Account No. 50-0289.

8. Charge Deposit account

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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.

Stephen P. Burr
Reg. No. 32,970November 2, 1999

Date

Total Number of Pages Comprising Cover Sheet 3

OMB NO 0651-0011(EXP. 4/94)

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WASHINGTON D.C. 20231

PATENT

REEL: 010490 FRAME: 0749

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)	(1) <u>Takashi OTA</u>	(5) _____
	(2) <u>Masashi FUKUYAMA</u>	(6) _____
	(3) <u>Kazutoshi TOHYAMA</u>	(7) _____
	(4) _____	(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. and NGK OPTOCERAMICS CO., LTD.</u>
(10) Insert address of Assignee	(10) <u>2-56, SUDA-CHO, MIZUHO-KU, NAGOYA-CITY, AICHI-PREF. 467-8530, JAPAN and</u> <u>2-56, SUDA-CHO, MIZUHO-KU, NAGOYA-CITY, AICHI-PREF. 467-8530, JAPAN, respectively</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>DIE AND METHOD OF MANUFACTURE OF THE SAME, GLASS SUBSTRATE AND METHOD OF MANUFACTURE OF THE SAME, AND METHOD OF PATTERN FORMATION ON GLASS SUBSTRATE</u> (Case No. <u>789_034</u>) (AP-14363-GA)
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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>October 22, 1999</u>
(13) Alternative identification	(13) U.S. Application(s) Serial Number(s) <u>09/367,729</u> 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 WALL MARJAMA BILINSKI & BURR 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 October 22, 1999 Signature Takashi Ota (SEAL)
Takashi OTA

Date October 22, 1999 Signature Masashi Fukuyama (SEAL)
Masashi FUKUYAMA

Date October 22, 1999 Signature Kazutoshi Tohyama (SEAL)
Kazutoshi TOHYAMA

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:

Date October 22, 1999 Witness T. Hiragawa

Date October 22, 1999 Witness Kan Ono