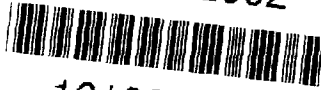


02-15-2002



101984373

Our Docket No.: 782_191

Form PTO 1595

RECORDATION FORM COVER SHEET

U.S. Department of Commerce
U.S. Patent and Trademark Office

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)
 Shinji YAMAGUCHI *2.11.02*
 Additional 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, Aichi-Prefecture 467-8530
 Japan

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
 Execution Date January 15, 2002

Additional 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)
09/981,293 filed October 16, 2001
 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) 233-8320

6. 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.
 8. Charge Deposit account

DO NOT USE THIS SPACE

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. 32,970

 January 18, 2002
 Date

Total Number of Pages Comprising Cover Sheet 3

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

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

米国特許記 (Case No.)
00200302 US

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Shinji YAMAGUCHI (5) _____

(2) _____ (6) _____

(3) _____ (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) NGK INSULATORS, LTD.

(10) Insert address of Assignee (10) 2-56, Suda-Cho, Mizuho-Ku, Nagoya City,
Aichi Pref., 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

(11) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (11) SUSCEPTORS FOR SEMICONDUCTOR-PRODUCING APPARATUSES
(Case No. _____)

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 _____

(13) Alternative identification (13) U.S. Application(s) Serial Number(s) 09/981,293
for filed application(s) filed October 16, 2001

- 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 January 15, 2002 Signature *Shinji Yamaguchi* (SEAL)
Shinji YAMAGUCHI

Date _____ Signature *Kayoko S* (SEAL)

Date _____ Signature _____ (SEAL)

Date _____ Signature _____ (SEAL)

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 January 15, 2002 Witness *Kayoko Sugiyama*

Date January 15, 2002 Witness *Yoriko Konda*