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RECORDAT



101027261

Hon. Commissioner of Patents  
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Washington, D.C. 20231

RE: Our File: T50

1. Name (and address) of  
conveying party(ies)

2. Name and Address of  
receiving party(ies)

TOYO DENKI SEIZO KABUSHIKI  
KAISHA  
2-7-2, Yaesu, Chuo-ku, Tokyo,  
104-0028, Japan

NGK INSULATORS, LTD.  
2-56, Suda-Cho, Mizuho,  
Nagoya, 467-8530, Japan

Execution Date: March 10,  
1999

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3. Submission Type:

- ☒ New  
☐ Resubmission Document ID#  
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☐ Correction of PTO Error Reel/Frame:  
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4. Nature of conveyance:

- ☒ Assignment; ☐ Merger  
☐ Security Agreement; ☐ Change of Name  
☐ Other;

Execution Date: March 10, 1999

5. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:     

A. Patent Application No.(s)

B. Patent No.(s)

5,324,966  
5,352,910  
5,418,376  
5,461,242  
5,545,905  
5,665,987

Additional numbers attached ☐ Yes ☒ No

05/03/1999 DNGUYEN 00000166 5324966

01 FC:581

40.00 DP

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

**McGlew & Tuttle, P.C.**  
**Scarborough Station**  
**Scarborough, New York 10510-0827**

7. Total number of applications and patents involved: 6

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

(X) Enclosed  
( ) Authorized to be charged to deposit account  
( ) Already submitted

9. Deposit account number:  
13-0410

(Attach duplicate copy of this page if paying by deposit account)

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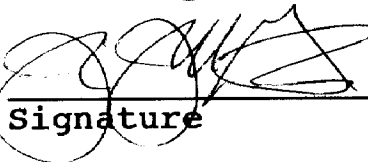
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10. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John James McGlew  
Name of person signing

Reg. No. 31,903

  
Signature

April 26, 1999  
Date

Total number of pages comprising cover sheet, attachments, and documents 5

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JJM:aes

Enclosures:     - Assignment Document  
                  - Check for recording fee of \$40.00

SCARBOROUGH STATION  
SCARBOROUGH, NEW YORK 10510  
DATED: April 26, 1999

NOTE:           IF THERE IS ANY FEE DUE AT THIS TIME, PLEASE CHARGE IT TO OUR DEPOSIT ACCOUNT NO. 13-0410 AND ADVISE.

ASSIGNMENT OF ISSUED U.S. PATENTS

WHEREAS, TOYO DENKI SEIZO KABUSHIKI KAISHA with a principal place of business at: 2-7-2, Yaesu, Chuo-ku, Tokyo, 104-0028, Japan (hereinafter referred to as Assignor) is a present Assignee of the following inventions:

U.S. Patent No. 5,324,966

Date of Patent: June 28, 1994

Title: MOS-CONTROLLED THYRISTOR

U.S. Patent No. 5,352,910

Date of Patent: October 4, 1994

Title: SEMICONDUCTOR DEVICE WITH A BUFFER STRUCTURE

U.S. Patent No. 5,418,376

Date of Patent: May 23, 1995

Title: STATIC INDUCTION SEMICONDUCTOR DEVICE WITH A DISTRIBUTED MAIN ELECTRODE STRUCTURE AND STATIC INDUCTION SEMICONDUCTOR DEVICE WITH A STATIC INDUCTION MAIN ELECTRODE SHORTED STRUCTURE

U.S. Patent No. 5,461,242

Date of Patent: October 24, 1995

Title: INSULATED GATE STATIC INDUCTION THYRISTOR WITH A SPLIT GATE TYPE SHORTED CATHODE STRUCTURE

U.S. Patent No. 5,545,905

Date of Patent: August 13, 1996

Title: STATIC INDUCTION SEMICONDUCTOR DEVICE WITH A STATIC INDUCTION SCHOTTKY SHORTED STRUCTURE

U.S. Patent No. 5,665,987

Date of Patent: September 9, 1997

Title: INSULATED GATE STATIC INDUCTION THYRISTOR WITH A SPLIT GATE TYPE SHORTED CATHODE STRUCTURE



AND WHEREAS, NGK INSULATORS, LTD. with a principal place of business at: No. 2-56, Suda-Cho, Mizuho, Nagoya, 467-8530 Japan (hereinafter referred to as Assignee) is desirous of acquiring an interest therein-and-in the Letters Patent obtained therefor from the United States.

NOW THEREFORE, be it known by all whom it may concern, that for and in consideration of the sum of One Dollar (\$1.00) (or the equivalent thereof in foreign currency) and other valuable consideration to us in hand paid, the receipt of which is hereby acknowledged, we have assigned, sold and set over and by these presents assign, sell and set over unto said Assignee for the territory of the United States of America and not elsewhere, our full and exclusive right, title and interest in and to the said invention, as fully set forth and described in the Letters Patent obtained therefor; said inventions and Letters Patent to be held and enjoyed by the said Assignee for its own use and behoof and for the use and behoof of its successors and assigns to the full end of the term for which said Letters Patent is granted, as fully and entirely as the same would have been held by us had this Assignment and sale not been made.

IN WITNESS WHEREOF, we have hereunto set our hands this 10<sup>th</sup> day of March, 1999.

TOYO DENKI SEIZO KABUSHIKI KAISHA

By: M. Ando  
Mitsuru Ando

Print Name  
Representative of TOYO DENKI SEIZO  
KABUSHIKI KAISHA  
Title

In the presence of: \_\_\_\_\_

Witness: Kyuzo Tanaka

Witness: Rumiko Hirota

McGLEW & TUTTLE, P.C. Scarborough Station, Scarborough N.Y.10510-0827 U.S.A.

T50.1

RECORDED: 04/26/1999

PATENT  
REEL: 9912 FRAME: 0603