Based on FORM PTO-1595 (Rev. 6-93)

To: Hon. Commissioner of Patents and Trademarks

1. Name of conveying party(ies):
   Masahiko KAMATA, Tsutomu KAKITANI, Keiichi SHIMIZU, Keiji TAKAHASHI and Fuminori NAKAYA

2. Additional names? Yes × No

3. Nature of conveyance:
   × Assignment
   _ Security Agreement _ Change of Name _ Other
   Execution Date: December 4, 1998

4. Application number(s) or patent number(s):
   Attorney Docket No.: M1596-201
   If this document is being filed together with a new application, execution date of application is: Dec. 4, 1998
   A. Application Serial No.: _
      Filing Date: _

   Additional numbers attached? _ Yes × No

5. Name and address of party to whom correspondence should be mailed:
   Name: Thomas R. Morrison, Esq.
   Internal Address: Morrison Law Firm
   Street Address: 145 North Fifth Avenue
   City: Mount Vernon State: N.Y. ZIP: 10550

6. Total number of applications and patents involved: _1

7. Total fee (37 CFR 3.41): $ 40.00
   _ Enclosed
   _ Authorized to be charged to Deposit Account (duplicate copy attached)

8. X Charge any additional fees in connection with this submission to our Deposit Account No. 13-4550.

   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.

   Brendan J. Kennedy
   Name of Person Signing
   Reg. No. 41,890

   [Signature]
   Date

   Total number of pages including cover sheet, attachments, and document: 3
ASSIGNMENT

In consideration of One Dollar ($1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

Masahiko KAMATA of 3-1-11, Sasage, Konan-ku, Yokohama-shi, Kanagawa, Japan, Tsutomu KAKITANI of 3-1-16-409, Tomiokanishi, Kanazawa-ku, Yokohama-shi, Kanagawa, Japan, Keiichi Shimizu of 1-46-14-110, Kamariyahigashi, Kanazawa-ku, Yokohama-shi, Kanagawa, Japan, Keiji TAKAHASHI of 1-7-21, Shimizu-cho, Nagai-shi, Yamagata, Japan and Fuminori NAKAYA of 2994-1-106, Kamimiyata, Minamishitaura-cho, Miura-shi, Kanagawa, Japan

TOSHIBA LIGHTING & TECHNOLOGY CORPORATION

Hereby sell(s), assign(s), and transfer(s), in equal shares, to a corporation of Japan

having a place of business at 3-1, Higashishinagawa 4-chome, Shinagawa-ku, Tokyo, Japan

its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which:

X has been executed by the undersigned concurrently herewith,

____ was filed on ________ as Application Serial No. ________________.

Attorney Docket No. __________, and is entitled:

discharge lamp lighting device and luminaire

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements;
Agree(s) that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge in to but at the expense of said Assignee, its successors, assigns and legal representative, to carry out in good faith the Intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications in any and all said improvements, execute all rightful oaths, assignments, powers of attorney and other property communicate to said Assignee, its successors, assign, and representatives, all facts known to the undersigned relating in said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representative shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant(s) with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

The undersigned declare(s) further that all statements made herein of his/their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under section 1001 of Title 18 of the United States Code and that each willful false statement may jeopardize the validity of this assignment, patent application and any patent or patent application and any patent issuing thereon.

Signature Masahiko KAMATA

Dec. 4, 1998

Date

Signature Tsutomu KAKITANI

Dec. 4, 1998

Date

Signature Keiichi SHIMIZU

Dec. 4, 1998

Date

Signature Keiji TAKAHASHI

Dec. 4, 1998

Date

Signature Fuminori NAKAYA

Dec. 4, 1998

Date