

05-12-1998

BOX ASSIGNMENTS

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SHEET TS ONLY

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS:

SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

MAD 4-30-98

10841 U.S. P.T. 09/07/156 04/30/98

1. NAME OF CONVEYING PARTY(IES) (ASSIGNOR(S)):

- 1. ISHIZUKA, Akio
- 2. MINEGISHI, Kiyoshi
- 3. UEDA, Akihiro
- 4.
- 5.
- 6.
- 7.
- 8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: TOSHIBA LIGHTING & TECHNOLOGY CORPORATION

ADDRESS: 3-1, Higashishinagawa 4-Chome, Shinagawa-Ku, Tokyo, Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation -- multiple copies of same Assignment signed by different inventors is one document)

ASSIGNMENT OF WHOLE PART INTEREST

EXEC. DATE: 1, March 23; 2, March 30 & 3, March 19, 1998

CHANGE OF NAME VERIFIED TRANSLATION

SECURITY MERGER OTHER:

4. EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) 1, March 23; 2, March 30 & 3, March 19, 1998

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no	M#	1ST INVENTOR if not in item 1	B. PATENT NO(S)	M#	1ST INVENTOR if not in item 1
09/070156					

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
1100 NEW YORK AVENUE, N.W.
NINTH FLOOR, EAST TOWER
WASHINGTON, D.C. 20005-3918

6. NUMBER INVOLVED:

APPLNS __ + PATS: __ = TOTAL __

7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL X \$40 = 40

05 05/1998 DUTLER DKT 0000046 09070156

05 FC:581 252382 40.00 DLG39806-USA-AT

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

UNDER ORDER NO	9270	252382
dup. sheet not required	CLIENT NO.	MATTER NO.

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.

Signature

Attorney: Glenn J. Perry

Reg. No. 28,458

Att/Sec: GJP:mhn TEL: (202) 861- 3070

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)

2

Date: April 30, 1998

Fax: (202) 822-0944

FILE WITH PTO RETURN RECEIPT(PAT-103A)

PATENT

REEL: 9149 FRAME: 0533

PAT-114X 12/1997

Please return signed/recorded to
Cushman Darby & Cushman
Intellectual Property Group of
Pillsbury Madison & Suto LLP
Ninth Floor, East Tower
1100 New York Avenue, N.W.
Washington, D.C. 20005-3918

USA Patent Appl.
Sole or Joint

For inventions made outside USA
executed with or after application
App. No. 252382 | TLG39806-USA-AT
No. | Exam. No.

NONPROVISIONAL

ASSIGNMENT OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT NAME(S) OF INVENTOR(S)	(1) Akio ISHIZUKA	(4)
	(2) Kiyoshi MINEGISHI	(5)
	(3) Akihiro UEDA	<input type="checkbox"/> x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

TOSHIBA LIGHTING & TECHNOLOGY CORPORATION
 3-1, Higashishinagawa 4-chome, Shinagawa-ku,
 Tokyo, Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof, and all resulting patents, known as

TITLE OF INVENTION: DISCHARGING LAMP LIGHTING APPARATUS

for which the undersigned executed an application for Letters Patent of the United States of America:

NOTE -->
(Complete
line A, B and/or C)

- (A) even date herewith
- (B) on _____
- (C) in U.S. Appl. No. _____ / _____ filed _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE --> The undersigned hereby authorize(s) Cushman Darby & Cushman Intellectual Property Group of Pillsbury Madison & Suto, of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

	INVENTOR(S)	DATE SIGNED	WITNESSES
1)	<u>Akio Ishizuka</u> Name: Akio ISHIZUKA	<u>23 March 1998</u>	
2)	<u>Kiyoshi Minegishi</u> Name: Kiyoshi MINEGISHI	<u>30 March 1998</u>	
3)	<u>Akihiro Ueda</u> Name: Akihiro UEDA	<u>19 March 1998</u>	
4)	_____	_____	_____
5)	_____	_____	_____

IF ADDITIONAL INVENTORS, check box and continue on page 2.

DOC-114 9/84