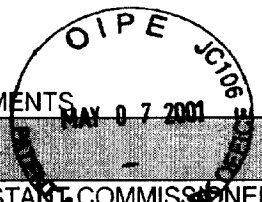


05-14-2001



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5-7-01

TO THE ASSISTANT COMMISSIONER OF
SIR: PLEASE RECORD THE ATTACHED ORIGINAL

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

- | | |
|------------------------|--------------------|
| 1. Satoko ISHIKAWA | 2. Ichiro TANAKA |
| 3. Hiromichi KAWASHIMA | 4. Hisashi YOSHIDA |
| 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)

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> ASSIGNMENT OF | <input checked="" type="checkbox"/> WHOLE | <input type="checkbox"/> PART INTEREST |
| <input type="checkbox"/> ORIGINAL | <input type="checkbox"/> FACSIMILE/PHOTOCOPY | |
| <input type="checkbox"/> CHANGE OF NAME | <input type="checkbox"/> VERIFIED TRANSLATION | |
| <input type="checkbox"/> SECURITY | <input type="checkbox"/> MERGER | <input type="checkbox"/> OTHER: |

EXEC. DATE: December 19, 2000

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) December 19, 2000

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#	1* INVENTOR if not in item 1	B. PATENT NO(S)	M#	1* INVENTOR if not in item 1
09/737,822	275289				

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

Pillsbury Winthrop LLP
Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918

6. NUMBER INVOLVED:
APPLNS 1 + PATS 0 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

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MATTER NO.	CLIENT REF.

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975		
UNDER ORDER NO	070323	275289
dup. sheet not required	CLIENT NO.	MATTER NO.

9.

Signature

Attorney: Glenn J. Perry
 Reg. No. 28458
 Atty/Sec: gjp/srd TEL: (202) 861-3070

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)	2
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Date: April 30, 2001
 FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

05/09/2001 MBERHE 00000013 09737822
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Please return signed/recorded to:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
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1100 New York Avenue, N.W.
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USA Patent Appln.
Sole or Joint

For Inventions made outside USA
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Atty. Dkt. PMS _____ TLG200010
M# _____ Client Ref. _____

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) Satoko ISHIKAWA	(4) Hisashi YOSHIDA
	(2) Ichiro TANAKA	(5)
	(3) Hiromichi KAWASHIMA	<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:

INSERT TOSHIBA LIGHTING & TECHNOLOGY CORPORATION
NAME(S) OF 3-1, Higashishinagawa 4-chome, Shinagawa-ku, Tokyo, Japan
ASSIGNEE(S)
& ADDRESS(ES)

(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 **A HIGH-PRESSURE MERCURY DISCHARGE LAMP AND LIGHTING APPRATUS USING THE LAMP**

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

NOTE → → (A) even date herewith
(Complete (B) on _____
line A, B and/or C) (C) in U.S. Appln. 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) Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTOR(S)	DATE SIGNED	WITNESSES
1) SATOKO ISHIKAWA Name: Satoko ISHIKAWA	19/December/2000	
2) ICHIRO TANAKA Name: Ichiro TANAKA	19. Dec. 2000	
3) Hiromichi Kawashima Name: Hiromichi KAWASHIMA	19. Dec. 2000	
4) Hisashi Yoshida Name: Hisashi YOSHIDA	19. Dec. 2000	
5) Name:		