



ILY

TO THE ASSISTANT COMMISSIONER  
SIR: PLEASE RECORD THE ATTACHED

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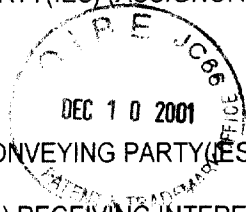
HEREOF.

12-1001

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

- 1. Daishin OKADA
- 3. Naohiko SHIMURA
- 5. Takao HATTORI
- 7.

- 2. Noboru SEGAWA
- 4. Takeshi IMAMURA
- 6. Takumi OIKAWA
- 8.



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

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

NAME: Kabushiki Kaisha Toshiba

ADDRESS: 1-1 Shibaura 1-chome, Minato-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
- ORIGINAL  FACSIMILE/PHOTOCOPY
- CHANGE OF NAME  VERIFIED TRANSLATION
- SECURITY  MERGER  OTHER:

EXEC. DATE: November 27, 2001 and November 30, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) November 27, 2001 and November 30, 2001

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 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1
09/973,929	283788				

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

Pillsbury Winthrop LLP  
Intellectual Property Group  
1600 Tysons Boulevard  
McLean, VA 22102

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:

P 283788	F01P48090
MATTER NO.	CLIENT REF.

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

UNDER ORDER NO	7324	283788
dup. sheet not required	CLIENT NO.	MATTER NO.

9. 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.

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

Signature

Attorney: Glenn J. Perry

Reg. No. 28458

Atty/Sec: gjp/vaw

Date: December 10, 2001

FAX: (703) 905-2500

TEL: (703) 905-2161

FILE WITH PTO RETURN RECEIPT (PAT-103A)

**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) Daishin Okada	(4) Takeshi Imamura
(2) Noboru Segawa	(5) Takao Hattori
(3) Naohiko Shimura	<input checked="" 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  
NAME(S) OF  
ASSIGNEE(S)  
& ADDRESS(ES)

KABUSHIKI KAISHA TOSHIBA  
of 1-1 Shibaura 1-chome, Minato-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

REFRIGERATOR AND DEODORIZER PRODUCING OZONE BY  
HIGH-VOLTAGE DISCHARGE

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. Appln. No. 1 filed October 11, 2001

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, L.L.P. 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>Daishin Okada</u> Name: Daishin Okada	<u>Nov. 30, 2001</u>	<u>Hideto Kuyama</u> Hideto Kuyama
2) <u>N. Segawa</u> Name: Noboru Segawa	<u>Nov. 27, 2001</u>	<u>Hideto Kuyama</u> Hideto Kuyama
3) <u>Naohiko Shimura</u> Name: Naohiko Shimura	<u>Nov 27 2001</u>	<u>Hideto Kuyama</u> Hideto Kuyama
4) <u>Takeshi Imamura</u> Name: Takeshi Imamura	<u>Nov 27 2001</u>	<u>Hideto Kuyama</u> Hideto Kuyama
5) <u>Takao Hattori</u> Name: Takao Hattori	<u>Nov 30 2001</u>	<u>Hideto Kuyama</u> Hideto Kuyama

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

**ASSIGNMENT**  
(Continued from page 1)

LISTING OF ADDITIONAL INVENTORS

INSERT  
NAME(S) OF  
INVENTOR(S)

(6)	Takumi Oikawa	(11)	
(7)		(12)	
(8)		(13)	
(9)		(14)	
(10)		(15)	

**SIGNATURES OF ADDITIONAL INVENTORS/WITNESSES/DATES SIGNED**

	<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSES</u>
6)	<u>Takumi Oikawa</u>	<u>Nov. 30, 2001</u>	<u>Hideto Kuyama</u>
Name:	Takumi Oikawa		Hideto Kuyama
7)	_____	_____	_____
Name:			
8)	_____	_____	_____
Name:			
9)	_____	_____	_____
Name:			
10)	_____	_____	_____
Name:			
11)	_____	_____	_____
Name:			
12)	_____	_____	_____
Name:			
13)	_____	_____	_____
Name:			
14)	_____	_____	_____
Name:			
15)	_____	_____	_____
Name:			