

11-26-2002

ET

U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 04329.2902  
Attorney Customer Number: 22,852To the Honorable Commissioner  
Please record the attached original.

102293420

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies):

(1) Kenichi ISHIKAWA

11-20-02

2. Name and address of receiving party(ies):

Name: KABUSHIKI KAISHA TOSHIBA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Internal Address:

3. Nature of conveyance:

Street Address: 1-1 Shibaura 1-chome  
Minato-ku, Tokyo  
JAPAN☒ Assignment ☐ Merger

City:

☐ Security Agreement ☐ Change of Name

State:

Zip Code:

☐ Other:

Additional name(s) &amp; Address(es) attached?

Execution Date: October 18, 2002

☐ Yes☒ No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application:

A. Patent Application Number(s):

10/234,201

B. Patent Number(s):

Additional numbers attached?

☐ Yes☒ No

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

Name: Ernest F. Chapman

6. Total number of applications and registrations involved:  
1

7. Total fee (37 CFR 3.41): \$40

☒ Enclosed (Please charge deficiency to deposit account)☐ Authorized to be charged to deposit accountInternal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT  
& DUNNER, L.L.P.

Street Address: 1300 I Street, N.W.

City: Washington, D.C.

State: Zip: 20005-3315

8. Deposit Account No.: 06-0916

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.

Richard V. Burgujian  
Reg. No. 31,744

Signature

November 20, 2002

Date

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

11/25/2002 DBYNE 00000097 10234201

01 FC:8021

40.00 DP

PATENT  
REEL: 013511 FRAME: 0142

# A S S I G N M E N T

In consideration of value received, I, having a mailing address at  
c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura  
1-chome, Minato-ku, Tokyo 105-8001, Japan and a residence as stated below  
next to my name, the sole inventor (if only one name is listed below)  
or a joint inventor (if plural inventors are listed below) of an  
invention described in an application for United States patent entitled:

COOLING UNIT HAVING A HEAT-RECEIVING SECTION AND A COOLING FAN, AND ELECTRONIC  
APPARATUS INCORPORATING THE COOLING UNIT

said application having been filed on September 5, 2002  
and assigned Application No. 10/234,201 ;  
sell and assign to  
KABUSHIKI KAISHA TOSHIBA  
a corporation of Japan, having a business address at  
1-1 Shibaura 1-chome, Minato-Ku, Tokyo, Japan

its successors, assigns or nominees, hereinafter referred to as  
"Assignee", my entire right, title and interest in and to said invention  
as disclosed, shown and described in said application for United States  
patent: (check one)

  X   executed concurrently herewith;

       executed separately herefrom;

and in and to all applications for patent and patents for said invention,  
in all countries of the world, including all divisions, reissues, contin-  
uations, substitutions and extensions thereof and all rights arising  
under or pursuant to any and all international agreements, treaties or  
laws relating to the protection of industrial property, including rights  
of priority, resulting from the filing of any of said applications;  
and I authorize and request any official whose duty is to issue patents,  
to issue any patent on said invention or resulting therefrom to said  
Assignee, and I agree that on request and without further consideration,  
but at the expense of said Assignee, I will communicate to said Assignee  
or its representatives all facts known to me respecting said invention  
and testify in any legal proceeding, sign all lawful papers, execute all  
divisional, continuing, reissue, or other applications, make all rightful  
oaths and declarations, and generally do everything possible to aid said  
Assignee to obtain and enforce proper patent protection for said  
invention in all countries.

I hereby grant the following law firm the power to insert on this Assi-  
gnment any further identification which may be necessary or desirable in  
order to comply with the Rules of the U. S. Patent and Trademark Office  
for recordation of this document.

Finnegan, Henderson, Farabow, Garrett & Dunner, L. L. P.,  
1300 I Street, N.W., Washington, D. C., 20005-3315

# ASSIGNMENT

02S0422-1

Inventor: (Signature)

Date

Residence

Kenichi Ishikawa  
Kenichi Ishikawa

OCT. 18. 2002

Hamura-shi, Japan

RECORDING OFFICER:

After recording please return to:  
Finnegan, Henderson, Farabow,  
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REEL: 013511 FRAME: 0144