

FORM PTO-1595
1-31-92

DEC 18 2001

12-21-2001



U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 04329.2660
Attorney Customer Number: 22,852

To the Honorable Commissioner of Patents
Please record the attached ~~original~~ documents or copy thereof.

101923097

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies):
1) Kenichi ISHIKAWA
2) Katsumi HISANO

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) & Address(es) attached?

Execution Date: 1) September 7, 2001 and 2) September 12, 2001

☐ 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): 09/955,091

B. Patent Number(s):

Additional numbers attached?

☐ Yes

☒ No

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

Name: Mr. 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 account

Internal 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

December 18, 2001
Date

12/20/2001 DBYRNE 00000160 09955091 Number of pages including cover sheet, attachments and documents: 3

01 FC:581

40.00 GP

PATENT
REEL: 012374 FRAME: 0550

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 FOR COOLING A HEAT GENERATING COMPONENT AND ELECTRONIC APPARATUS
HAVING THE COOLING UNIT

said application having been filed on _____
and assigned Application No. _____;
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)

☒ 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

A S S I G N M E N T

01S0468 1

Inventor: (Signature)

Date

Residence

Kenichi Ishikawa
Kenichi Ishikawa

September 7, 2001

Hamura-shi, Japan

Katsumi Hisano
Katsumi Hisano

September 12, 2001

Kashiwa shi, Japan

RECORDING OFFICER:

After recording please return to:
Finnegan, Henderson, Farabow,
Garrett & Dunner, L. L. P.

1300 I Street, N.W.,
Washington, D.C. 20005-3315

RECORDED: 12/18/2001

PATENT
REEL: 012374 FRAME: 0552