

09-09-2003

ET  
ONLYTO THE DIRECTOR OF THE US PAT  
SIR: PLEASE RECORD THE ATTACH

102544457

HEREOF.

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

1. Kentaro TOMIOKA signed August 5, 2003
3. Tomonao TAKAMATSU signed August 18, 2003
5. Hiroyuki KUSAKA signed August 25, 2003
- 7.

2. Katsumi HISANO signed August 18, 2003
4. Mitsuyoshi TANIMOTO signed August 21, 2003
6. Teruo KINOSHITA signed July 24, 2003
- 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: July 24, 2003; August 5, 2003;  
August 18, 2003; August 21, 2003; and August  
25, 2003

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) July 24, 2003; August 5, 2003; August 18, 2003; August 21, 2003; and August 25, 2003

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
Not Assigned	0303496				

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

**Pillsbury Winthrop LLP**  
**Intellectual Property Group**  
 725 South Figueroa Street, Suite 2800 Los Angeles, CA 90017-5406

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL = 1

7. AMOUNT OF FEE DUE: (Code 581)

ABOVE TOTAL x \$40 = \$40

10651788

5.5 ATTY DKT:

P 0303496

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8. PLEASE CHARGE TO OUR DEPOSIT ACCOUNT

NUMBER: 03-3975

UNDER ORDER NO

085013

0303496

MATTER NO.

CLIENT REF.

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)

3

Signature

Attorney: Roger R. Wise

Reg. No. 31204

Atty/Sec: RRW/JES

TEL: (213) 488-7584

Date: August 29, 2003

FAX: (213) 629-1033

FILE WITH PTO RETURN RECEIPT (PAT-103A)

09/08/2003 6TOM11 00000090 10651788

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40.00 OP

## 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, Toshiba Corporation, 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:

**ELECTRONIC APPARATUS HAVING A CIRCULATION PATH OF LIQUID COOLANT TO COOL A HEAT-GENERATING COMPONENT**

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, continuations, 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 Assignment 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.

Pillsbury Winthrop LLP, 725 South Figueroa Street, Suite 2800,  
Los Angeles, California 90017-5406

# A S S I G N M E N T

03S0069-1

Inventor: (Signature)

Date

Residence

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Aug. 5, 2003

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RECORDING OFFICER:

After recording please return to:  
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RECORDED: 08/29/2003

PATENT  
REEL: 014498 FRAME: 0220