

05-30-2003

U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No.: 04329.3060  
Attorney Customer Number: 22,852To the Honorable Commissioner of Patent  
Please record the attached original documents or copy thereon.

102460198

ATTN. BOX ASSIGNMENTS

11000 U.S. PTO  
10/443012  
05/22/03

1. Name of conveying parties:

1) Naoaki SAKURAI  
2) Hiroshi FUJITA

5-22-03

2. Name and address of receiving party:

Name: KABUSHIKI KAISHA TOSHIBA

Additional name of conveying party 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 &amp; Address attached?

Execution Date:

May 12, 2003

☐ Yes☒ No

4. Application number or patent number: If this document is being filed together with a new application, the execution date of the application: May 12, 2003

A. Patent Application Number:

10443012

Additional numbers attached?

B. Patent Number:

☐ Yes☒ No

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

Name: Mr. Ernest F. Chapman

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

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

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  
SignatureMay 22, 2003  
Date

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

## 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:

ULTRASONIC-WAVE WASHING UNIT, ULTRASONIC-WAVE WASHING APPARATUS, ULTRASONIC-WAVE WASHING METHOD, METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE, AND METHOD OF MANUFACTURING A LIQUID CRYSTAL DISPLAY

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.

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

0380567

Inventor: (Signature)

Date

Residence

Naoaki Sakurai

MAY. 12. 2003

Yokohama-shi, Japan

Naoaki Sakurai

Hiroshi Fujita

MAY. 12. 2003

Yokohama shi, Japan

Hiroshi Fujita

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: 05/22/2003**

**PATENT**  
**REEL: 014107 FRAME: 0787**