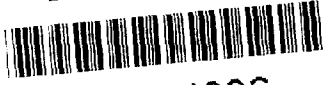




05-20-2002



102094906

Reference: 501.40978X00

Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)

**RECORDATION FORM COVER SHEET PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**YAMATE, HIROSHI  
TAKENAKA, YUICHI**

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

5-15-02

2. Name and address of receiving party(ies)  
Name: 1) **HITACHI, LTD.**  
2) **HITACHI DEVICE ENGINEERING CO., LTD.**

Internal Address: 1) **6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan**  
2) **3681, Hayano, Mobarashi, Chiba-ken 297-8581, Japan**

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: **December 24, 2001 and January 8, 2002.**

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 is:  
A. Patent Application No.(s)  
**10/022,259 filed December 20, 2001**

B. Patent Registration No.(s)

Additional number(s) attached  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **Antonelli, Terry, Stout & Kraus, LLP**  
Internal Address:  
**1300 North Seventeenth Street  
Suite 1800  
Arlington, VA 22209  
USA**  
City: State: Zip:


6. Total number of applications and patents involved **1**

7. Total fee (37 CFR 3.41)..... **\$40.00**  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:  
**01-2135**  
(Attach duplicate copy of this page if paying by deposit account)

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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.*

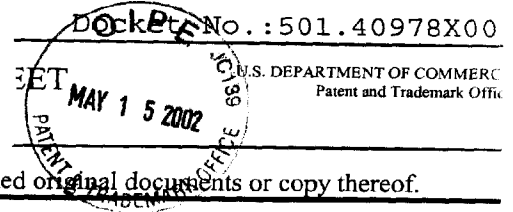
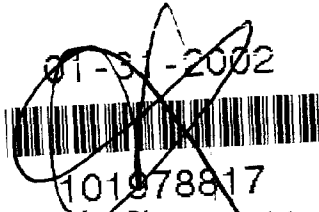
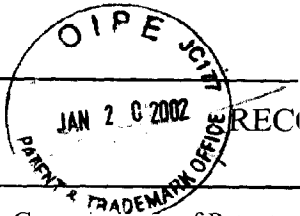
**Melvin Kraus, Reg# 22,466**  **May 15, 2002**

Name of Person Signing Signature Date

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

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patent & Trademarks, Box Assignments  
Washington, D.C. 20231

05/16/2002 BABRAHA1 00000087 10022259  
01 FC:581 40.00 DP



12802

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Hiroshi YAMATE  
Yuuichi TAKENAKA

2. Name and address of receiving party(ies):  
Name: Hitachi, Ltd./Hitachi Engineering Co. Ltd.  
Street Address: 6, Kanda Surugadai 4-chome, Chiyoda-ku  
3681, Hayano, Mobara-shi, 297-8581

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

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

City: Tokyo/ Chiba-ken

Country: Japan

Execution Date: December 24, 2001 & January 8, 2002

Additional name(s) & address(es) attached?  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 is:

A. Patent Application No.(s)  
10/022,259 Filed December 20, 2001

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP

Internal Address:

Street Address: 1300 North Seventeenth Street  
Suite 1800

City: Arlington State: VA Zip: 22209

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40.00

- Enclosed
- Any deficiencies may be charged to deposit account
- Authorized to be charged to deposit account

8. Deposit account number: 01-2135

(Attach duplicate copy of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

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.*

Melvin Kraus

January 28, 2002

Name of Person Signing

Signature

Date

Attorney Registration No.

Total number of pages including cover sheet, attachments, and document: 2

OMB No. 0651-0011 (exp. 4/94)

# ASSIGNMENT

( 譲渡証 )

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the below named inventor(s), citizens of Japan by HITACHI, LTD., and HITACHI DEVICE ENGINEERING CO., LTD., corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 3681, Hayano, Mobara-shi, Chiba-ken 297-8581, Japan, respectively, receipt of which is hereby acknowledged, we, the below named inventor(s), do hereby sell and assign to said HITACHI, LTD., and HITACHI DEVICE ENGINEERING CO., LTD., their successors and assigns, all our right, title and interest, in and for the United States of America, in and to

## Liquid Crystal Display

invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., and HITACHI DEVICE ENGINEERING CO., LTD.,

their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and HITACHI DEVICE ENGINEERING CO., LTD.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)

(発明者フルネームサイン)

Date Signed

(署名日)

1)	<u>Hiroshi Yamate</u>	<u>Dec. 24, 2001</u>
2)	<u>Yunichi Takenaka</u>	<u>Jan. 08, 2002</u>
3)	_____	_____
4)	_____	_____
5)	_____	_____
6)	_____	_____
7)	_____	_____
8)	_____	_____
9)	_____	_____
10)	_____	_____



104

501.40978X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Hiroshi YAMATE, et al.  
Serial No.: 10/022,259  
Filed: December 20, 2001  
For: LIQUID CRYSTAL DISPLAY  
Group: 2871  
Examiner: Allyson PURNELL  
Attention: Assignment Branch

REQUEST FOR CORRECTED NOTICE OF RECORDATION

Assistant Commissioner for Patents  
Washington, D.C. 20231

May 15, 2002

BOX ASSIGNMENTS

Sir:

Attached hereto are copies of an Assignment and recordation Form Cover Sheet for the above-identified application, which were recorded in the U.S. Patent and Trademark Office on December 20, 2001, on Reel 012516 at Frame 0551. It will be noted that the name of the second assignee is incorrect. Since this was an error on our part, a fee of \$40.00 is attached.

It is requested that the errors on the Notice be corrected so that the name of the second assignee reads as Hitachi Device Engineering Co., Ltd. instead of Hitachi Engineering Co., Ltd..

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

Melvin Kraus  
Registration No. 22,466

MKalb  
(703) 312-6600  
Attachments



MARCH 26, 2002

ANTONELLI, TERRY, STOUT & KRAUS, LLP  
MELVIN KRAUS  
1300 NORTH SEVENTEENTH STREET  
SUITE 1800  
ARLINGTON, VIRGINIA 22209

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov



\*101978817A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/28/2002

REEL/FRAME: 012516/0551  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
YAMATE, HIROSHI

DOC DATE: 12/24/2001

ASSIGNOR:  
TAKENAKA, YUUICHI

DOC DATE: 01/08/2002

ASSIGNEE:  
HITACHI, LTD.  
6, KANDA SURUGADAI 4-CHOME,  
CHIYODA-KU  
TOKYO, JAPAN

ASSIGNEE: *device*  
HITACHI ENGINEERING CO., LTD.  
3681, HAYANO, MOBARA-SHI  
CHIBA-KEN 297-8581, JAPAN

SERIAL NUMBER: 10022259  
PATENT NUMBER:

FILING DATE: 12/20/2001  
ISSUE DATE:

ALLYSON PURNELL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS