U.S. PTO 12/805835 08/20/2010

Forni P.TO-1695 U.S. DEPARTMENT OF COMMERCE 09-02-2010 U.S. Patent and Trademark Office (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Attorney Docket No. 1497.51034X00 To the Honorable Commissioner of Pa ned original documents or copy thereof. 103605922 1. Name of conveying party(ies):ess of receiving party(ies) Masaki MATSUMORI Yasushi TOMIOKA Name: HITACHI DISPLAYS, LTD. Additional name(s) of conveying party(les) attached?

Yes

No Street Address: 3300, Hayano, Mobara-shi Chiba-ken 297-8622 Japan 3. Nature of conveyance/ Execution Date: July 27, 2010. ☐ Merger City: State: Zip: ☐ Security Agreement ☐ Change of Name ☐ Joint Research Agreement ☐ Government Interest Assignment Additional name(s) & address(es) attached?

Yes

No ☐ Executive Order 9424, Confirmatory License ☐ Other . ☑ This document is being filed together with a new application. 4. Application number(s) or patent number(s): A. Patent Application No.(s) B. Patent Registration No.(s) Additional number(s) attached
Yes
No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41)..... \$40.00 Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Authorized to be charged by credit card Authorized to be charged to deposit account Internal Address: Enclosed ■ None required (government interest not affecting title) 1300 NORTH 17TH STREET - SUITE 1800 8. Payment Information: City: ARLINGTON State: VA Zip 22209 a. Credit Card Last 4 numbers: 1073 Expiration date: June 2014 Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 b. Deposit account number: 01-2135 Email Address: email@antonelli.com Authorized User Name: William I. Solomon 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. Leonid D. Thenor, Reg. No. 39,397 08/20/2010 Name of Person Signing Date Total number of pages including cover sheet, attachments, and document:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

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PATENT REEL: 024928 FRAME: 0733

ASSIGNMENT (譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi Displays, Ltd.,

a corporation organized under the laws of Japan,

located at 3300, Hayano, Mobara-shi, Chiba, Japan

receipt of which is hereby acknowledged I do hereby sell and assign to said. Hitachi Displays, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

LIQUID CRYSTAL DISPLAY DEVICE

invented by me (if only one is named below) or us (if plural inventors are named below) 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 Displays, Ltd.,

its 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 me or us if this assignment and sale had not been made;

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

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi Displays, Ltd.,

Signed on the date(s) indicated aside our signatures:

RECORDED: 08/20/2010

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) Masaki mateumori	7/27/20/0
1) Masaki Mateumori 2) Yansh Tomislaa	7/27/2010
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PATENT REEL: 024928 FRAME: 0734