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10404.71/ha

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):Takashi ISHIZUMI
Motohiro YAMAHARAExecution Date(s) August 4, 2005 and August 1, 2005Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)Name: SHARP KABUSHIKI KAISHA

Internal Address: _____

Street Address: 22-22, Nagaike-cho, Abeno-kuCity: Osaka-shiState: OsakaCountry: JAPANZip: 545-8522Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

10/547973

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Joseph R. Keating, Esq.Internal Address: Keating & Bennett, LLPStreet Address: 8180 Greensboro Dr., Suite 850City: Tyson's CornerState: VA Zip: 22102Phone Number: 703-637-1480Fax Number: 703-637-1499Email Address: mrhodes@kbiplaw.com**6. Total number of applications and patents involved:**

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Informationa. Credit Card Last 4 Numbers 5008
Expiration Date 05/2008

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:Christopher A. Bennett
Signature

09/07/05

Date

Christopher A. Bennett (Registration Number: 46,710)

Name of Person Signing

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

4

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

PATENT
 REEL: 017707 FRAME: 0570

Attorney Docket No.: 70404.71/ha

ASSIGNMENT (WORLDWIDE)

WHEREAS, I, (We), Takashi ISHIZUMI (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled LIQUID CRYSTAL DISPLAY UNIT, AND DISPLAY UNIT PROVIDED WITH SAME for which application for Letters Patent of the United States has been

_____ executed on even date herewith;
_____ filed on _____ as Serial No. _____.

WHEREAS, SHARP KABUSHIKI KAISHA (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to the said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefor through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Dated: August 4, 2005

Takashi Ishizumi
Takashi ISHIZUMI

Dated: _____

ASSIGNMENT (WORLDWIDE)

WHEREAS, I, (We), Motohiro YAMAHARA (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled LIQUID CRYSTAL DISPLAY UNIT, AND DISPLAY UNIT PROVIDED WITH SAME for which application for Letters Patent of the United States has been

_____ executed on even date herewith;
 _____ filed on _____ as Serial No. _____.

WHEREAS, SHARP KABUSHIKI KAISHA (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to the said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefor through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property.

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Dated: August, 1, 2005

Motohiro Yamahara
 Motohiro YAMAHARA

Dated: _____
