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HEET

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)**

HIROTOSHI ABE

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

**2. Name and address of receiving party(ies)**

Name: KABUSHIKI KAISHA TOSHIBA

Internal Address: \_\_\_\_\_

Street Address: 1-1, SHIBAURA 1-CHOME,  
MINATO-KU

City: TOKYO

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**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 12/13/2006

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**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)

Additional numbers attached?  Yes  No

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

Name: PILLSBURY WINTHROP SHAW PITTMAN LLP

Internal Address: P.O. Box 10500

Street Address: 2300 N Street, NW

City: McLean

State: VA Zip: 22102

Phone Number: (703) 770-7900

Fax Number: (703) 770-7901

Email Address: jeffrey.karceski@pillsburylaw.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 Information**

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a. Credit Card Last 4 Numbers \_\_\_\_\_  
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b. Deposit Account Number 033975

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**9. Signature:**

Signature

December 27, 2006

Date

Jeffrey D. Karceski, Reg. No. 35914

Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
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For: U.S. Rights  
For: U.S. Application  
By: Inventors

**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of Ten Dollars (\$10.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNORS:**

Hirotohi ABE  
c/o Intellectual Property Division,  
Toshiba Corporation, 1-1, Shibaura 1-chome,  
Minato-ku, Tokyo, Japan

hereby sell, assign and transfer to

**ASSIGNEE:**

Kabushiki Kaisha Toshiba  
1-1, Shibaura 1-chome,  
Minato-ku, Tokyo, Japan

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

**IMAGE DATA-OUTPUTTING UNIT AND LIQUID CRYSTAL DISPLAY DEVICE**

and which is found in (37 C.F.R. § 3.21) and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

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