


Form PTO-1595 (Rev. 01-09)  
 OMB No. 0651-0027 (exp. 02/28/2009)

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

## RECORDATION FORM COVER SHEET PATENTS ONLY

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

<p><b>1. Name of conveying party(ies):</b>                  Masafumi Ueno (11/04/2011), Hiroyuki Furukawa (11/04/2011), Kazuyoshi Yoshiyama (11/04/2011), Yasuhiro Ohki (11/07/2011),                  Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><b>2. Name and address of receiving party(ies)</b>                  Name: <u>Sharp Kabushiki Kaisha</u>                  Internal Address: _____                  Street Address: _____                  22-22, Nagaike-cho, Abeno-ku                  Osaka-shi, Osaka                  545-8522                  JAPAN                  City: _____                  State: _____                  Country: _____ Zip: _____                  Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p><b>3. Nature of conveyance/Execution Date(s):</b>                  Execution Date(s): in parentheses after inventor name  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name  <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement  <input type="checkbox"/> Government Interest Assignment  <input type="checkbox"/> Executive Order 9424, Confirmatory License  <input type="checkbox"/> Other _____</p>	<p><b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application.                  A. Patent Application No.(s)                      13/375,248                  B. Patent No.(s)                  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p><b>5. Name and address to whom correspondence concerning document should be mailed:</b>                  Name: <u>Donald J. Daley</u>                        <u>HARNESS, DICKEY &amp; PIERCE, P.L.C.</u>                  Internal Address: <u>Atty. Dkt.: 12480SL-000519/US/NP</u>                  Street Address: <u>P.O. Box 8910</u>                  City: <u>Reston</u>                  State: <u>VA</u> Zip: <u>20195</u>                  Phone Number: <u>(703) 668-8030</u>                  Fax Number: <u>(703) 668-8200</u>                  Email Address: <u>dcmalroom@hdp.com</u></p>	<p><b>6. Total number of applications and patents involved:</b> <span style="border: 1px solid black; padding: 2px 10px;">1</span></p> <p><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$</b> <u>40.00</u></p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account  <input type="checkbox"/> Enclosed  <input type="checkbox"/> None required (government interest not affecting title)</p>
<p><b>9. Signature:</b>                    _____                  Signature                  Donald J. Daley - 34,313                  Name of Person Signing</p>	<p><b>8. Payment Information</b>                  Deposit Account Number <u>08-0750</u>                  Authorized User Name <u>Donald J. Daley</u></p> <p style="text-align: right;">November 30, 2011                  Date</p> <p>Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px 10px;">5</span></p>

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RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)	
Additional Conveying Party(ies)/Execution Date(s) (1. Continued): Kenji Takase (11/04/2011), and Takashi Ishizumi (11/04/2011)	
Additional Assignees (2. Continued):	
Assignee Name: _____ Internal Address: _____ Street Address: _____  City: _____ State: _____ Country: _____ Zip: _____	
Assignee Name: _____ Internal Address: _____ Street Address: _____  City: _____ State: _____ Country: _____ Zip: _____	
Assignee Name: _____ Internal Address: _____ Street Address: _____  City: _____ State: _____ Country: _____ Zip: _____	
Additional Applications and/or Patents (4. Continued):	
Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:
Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	

# ASSIGNMENT

Atty. Dkt. No.:

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

## DISPLAY DEVICE AND DISPLAY CONTROL METHOD

for which Assignor is about to make or has made United States or International application for patent

- (a)  executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b)  executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_; or
- (c)  filed on February 17, 2010, and assigned Serial No. \_\_\_\_\_ or PCT International Application No. PCT/JP2010/000979;
- (d)  U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_; and

WHEREAS, **SHARP KABUSHIKI KAISHA**  
**22-22 Nagaike-cho Abeno-ku**  
**Osaka-shi, Osaka**  
**JAPAN 545-8522**

, hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

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

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and

**ASSIGNMENT**

Atty. Dkt. No.:

applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. 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.

Masafumi Ueno  
Masafumi UENO

November 4, 2011  
Dated

Hiroyuki Furukawa  
Hiroyuki FURUKAWA

November 4, 2011  
Dated

Kazuyoshi Yoshiyama  
Kazuyoshi YOSHIYAMA

November 4, 2011  
Dated

Yasuhiro Ohki  
Yasuhiro OHKI

November 7, 2011  
Dated

Kenji Takase  
Kenji TAKASE

November 8, 2011  
Dated

Takashi Ishizumi  
Takashi ISHIZUMI

November 4, 2011  
Dated

**HARNES, DICKEY & PIERCE, P.L.C.**

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DATE:	November 30, 2011	NO. OF PAGES (INCLUDING THIS PAGE):	5
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FOR:	Assignment Services Division	ORIGINAL WILL FOLLOW BY: <input type="checkbox"/> REGULAR MAIL <input type="checkbox"/> OVERNIGHT MAIL <input type="checkbox"/> COURIER <input checked="" type="checkbox"/> WILL NOT FOLLOW
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FAX No.:	571-273-0140	

FROM:	Donald J. Daley Harness, Dickey & Pierce, P.L.C.
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Please let us know by phone or fax if you do not receive any of these pages.

COMMENTS:
Appln. No.: 13/375,248    Filing Dt.: September 30, 2011    Attorney Ref.: 12480SL-000519/US/NP
Please see the attached request for Assignment Recordation. Please return the recorded assignment via facsimile to:
Donald J. Daley Harness, Dickey & Pierce, P.L.C. <b><u>Fax No.: 703-668-8200</u></b>
If you have any questions, please call Donald J. Daley at 703-668-8000.