

4D 581-40

IAP03Rec'd PCT 26 APR 2011
12/998481Form PTO-1595 (Rev 01-09)
OMB No 0651-0027 (exp 02/28/2009)

04/28/2011



103623999

EET

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

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):

Toru Kuriyama (04/13/2011), Hisashi Yamaguchi
(04/13/2011), and Hiromasa Asada (04/13/2011)Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Execution Date(s) in parentheses after inventor name

- ☒ Assignment ☐ Merger ☐ Change of Name
☐ Security Agreement ☐ Joint Research Agreement
☐ 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-ku
Osaka-shi, Osaka
545-8522
JAPAN

City _____

State _____

Country _____ Zip _____

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

4. Application or patent number(s):

A Patent Application No (s)

This application

☒ 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 Donald J. Daley
HARNESSE, DICKEY & PIERCE, P L C
Internal Address Atty Dkt 12480SL-000493/US/NP
Street Address P O Box 8910City Reston
State VA Zip 20195
Phone Number (703) 668-8000
Fax Number (703) 668-8200
Email Address dcmalroom@hdp.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 to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____
Authorized User Name _____

9. Signature:

Signature

April 26, 2011

Date

Donald J. Daley - 34,313

Name of Person Signing

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

3

04/27/2011 EEKUBAY2 00000031 12998481

04 FC:8021

40.00 BP

PATENT
REEL: 026264 FRAME: 0883

ASSIGNMENT

Atty Dkt Nc

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented **LIQUID CRYSTAL DISPLAY DRIVE CIRCUIT AND LIQUID CRYSTAL DISPLAY DEVICE**

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 October 28, 2009, and assigned Serial No. _____ or PCT International Application No PCT/JP2009/068509,
- (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.

Toru Kuriyama
Toru KURIYAMA

April 13, 2011
Dated

Hisashi Yamaguchi
Hisashi YAMAGUCHI

April 13 2011
Dated

Hiromasa Asada
Hiromasa ASADA

April 13, 2011
Dated