

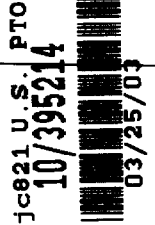
04-03-2003



SHEET

To t **102409075**
Please record the attached original documents or copy thereof.

d Trademarks:



1. Name of conveying party(ies):
KOICHI MIYACHI **3.25.03**
Additional name(s) of conveying party(ies) attached?
 YES NO

2. Name and address of receiving party(ies)
Name: **Sharp Kabushiki Kaisha**
Street Address: **22-22, Nagaike-cho
Abeno-ku, Osaka-shi**
City: **Osaka** State: ZIP:
Country: **JAPAN** Postal Code: **545-8522**
Additional name(s) & address(es) attached? YES NO

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other:
Execution Date: **3/20/2003**

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: **3/20/2003**

A. Patent Application No(s). B. Patent No.(s).
Additional numbers attached? YES NO

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **HARNESS, DICKEY & PIERCE, P.L.C.**
Street Address: **P.O. BOX 8910**
City: **RESTON** State: **VA** ZIP: **20195**
Country: **USA**

6. Total No. of applications/patents involved: **One (1)**
7. Total fee (37 C.F.R. § 3.41): **\$40.00**
 Enclosed
 Authorized to be charged to deposit account, **if no fee attached.**
8. Deposit account number: **08-0750**
(Attach triplicate copy of this page if paying by deposit account)

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.

Donald J. Daley, #34,313
Name of Person Signing/Reg. No.

Donald J. Daley
Signature

March 25, 2003
Date

Total number of pages including cover sheet, attachments, and document: **Three (3)**

DJD:knh

03/28/2003 HGUTENA1 00000039 10395214

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ASSIGNMENT

WHEREAS, **Koichi MIYACHI** (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in **DRIVING METHOD FOR LIQUID CRYSTAL DISPLAY APPARATUS AND LIQUID CRYSTAL DISPLAY APPARATUS** for which the undersigned has (have):

- (a) filed an application for Letters Patent of the United States of America on _____ having Serial No. _____; or
- (b) executed an application for Letters Patent of the United States of America on the date(s) indicated below; and

WHEREAS, **Sharp Kabushiki Kaisha** of **22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522, Japan** its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to the application and any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

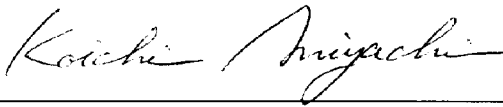
The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to the Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

This Assignment has been executed by the undersigned on the date(s) indicated.

Date: March 20, 2003, 
Koichi MIYACHI

Date: _____, _____

Date: _____, _____

Date: _____, _____

Date: _____, _____

Date: _____, _____

Date: _____, _____

Date: _____, _____