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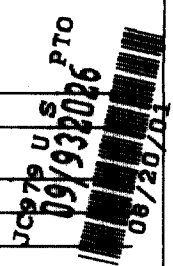
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Our Ref.: 1035-337

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): <i>8-20-01</i> Kazuhiko FUKUTA Tomohiko IWANE Masahiko MONZEN</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: <u>August 8, 2001</u></p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>SHARP KABUSHIKI KAISHA</u> Internal Address: _____ Street Address: <u>22-22 Nagaike-cho Abeno-ku</u> _____ _____</p> <p>City: <u>Osaka</u> State/Country: <u>Japan</u> Zip: <u>545-8522</u></p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>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: <u>August 8, 2001</u></p> <table border="0"> <tr> <td data-bbox="107 892 803 1039"> <p>A. Patent Application No(s). (1) Unknown (2) (3)</p> </td> <td data-bbox="803 892 1500 1039"> <p>B. Patent No(s). (1) (2) (3)</p> </td> </tr> </table> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>A. Patent Application No(s). (1) Unknown (2) (3)</p>	<p>B. Patent No(s). (1) (2) (3)</p>	
<p>A. Patent Application No(s). (1) Unknown (2) (3)</p>	<p>B. Patent No(s). (1) (2) (3)</p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>H. Warren Burnam, Jr.</u> Internal Address: _____ Street Address: <u>Nixon & Vanderhye P.C.</u> <u>1100 North Glebe Road</u> <u>8th Floor</u> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u></p>	<p>6. Total number of applications & patents involved: <u>2</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>			
<p style="text-align: center;">DO NOT USE THIS SPACE</p>				
<p>9. Statements 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.</p> <table border="0"> <tr> <td data-bbox="107 1627 511 1732"> <p><u>H. Warren Burnam, Jr.</u> Name of Person Signing Reg. No. 29,366</p> </td> <td data-bbox="511 1627 1063 1732"> <p><i>H. Warren Burnam, Jr.</i> Signature</p> </td> <td data-bbox="1063 1627 1500 1732"> <p><u>August 20, 2001</u> Date</p> </td> </tr> </table> <p>Total number of pages including original cover sheet, attachments, and document: [2]</p>		<p><u>H. Warren Burnam, Jr.</u> Name of Person Signing Reg. No. 29,366</p>	<p><i>H. Warren Burnam, Jr.</i> Signature</p>	<p><u>August 20, 2001</u> Date</p>
<p><u>H. Warren Burnam, Jr.</u> Name of Person Signing Reg. No. 29,366</p>	<p><i>H. Warren Burnam, Jr.</i> Signature</p>	<p><u>August 20, 2001</u> Date</p>		



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ASSIGNMENT OF U.S. PATENT APPLICATION

(Inventors) Kazuhiko FUKUTA
Tomohiko IWANE
Masahiko MONZEN

(Assignee) SHARP KABUSHIKI KAISHA a corporation of Osaka, Japan
(Address) 22-22 Nagaike-cho Abeno-ku Osaka 545-8522 Japan

(Title) (hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as SEMICONDUCTOR DEVICE, LIQUID CRYSTAL MODULE ADOPTING SAME, METHOD OF MANUFACTURING LIQUID CRYSTAL MODULE AND ELECTRONIC EQUIPMENT ADOPTING SAME
for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on Aug. 8, 2001 or has already filed U.S. application Serial No. _____, on _____.

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for 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 to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.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 United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date <u>Aug. 8, 2001</u>	Signature of inventor	<u>Kazuhiko Fukuta</u>
Date <u>Aug. 8, 2001</u>	Signature of inventor	<u>Tomohiko Iwane</u>
Date <u>Aug. 8, 2001</u>	Signature of inventor	<u>Masahiko Monzen</u>
Date _____	Signature of inventor	_____
Date _____	Signature of inventor	_____

Witnessed by: _____ Date _____
Witnessed by: _____ Date _____

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