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

<b>1. Name of conveying party(ies):</b> <u>YOUNG</u> <b>Young-Lyoul HAN</b> <u>1-11-99</u> Additional name(s) of conveying party(ies) attached <input type="checkbox"/> No		<b>2. Name and address of receiving party(ies)</b> Name: <b>Samsung Electronics Co., Ltd.</b> Street Address: <b>416, Maetan-dong, Paldal-ku, Suwon-city, Kyungki-do, Korea</b>			
<b>3. Name of conveyance</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: <b>December 23, 1998</b>		Additional name(s) & address(es) attached? <input type="checkbox"/> No			
<b>4. Application number(s) or patent number(s):</b> If this document is being filed together with a new application, the execution date of the application is: <table border="0"> <tr> <td><b>A. Patent Application No.(s)</b> 09/200,577</td> <td><b>B. Patent No.(s)</b></td> </tr> </table>				<b>A. Patent Application No.(s)</b> 09/200,577	<b>B. Patent No.(s)</b>
<b>A. Patent Application No.(s)</b> 09/200,577	<b>B. Patent No.(s)</b>				
01/22/1999 CHDANG 00000049 09200577 01 FC:581 40.00 DP		Additional numbers attached? <input type="checkbox"/> No			
<b>5. Please return the recorded document and address all correspondence to:</b> <b>CHRISTIE, PARKER &amp; HALE, LLP</b> P.O. Box 7068 Pasadena, CA 91109-7068 Attention <b>D. Bruce Prout</b>		<b>6. Total number of applications and patents involved.....</b> <span style="border: 1px solid black; padding: 2px;">01</span>			
<b>10. <input type="checkbox"/> Explanatory letter is enclosed.</b>		<b>7. <input checked="" type="checkbox"/> Total fee enclosed (37 CFR 3.41) \$ 40.00</b> <b>8. <input checked="" type="checkbox"/> Any deficiency or overpayment of fees should be charged or credited to Deposit Account No. 03-1728, except for payment of issue fees required under 37 CFR § 1.18. Please show our docket number with any credit or charge to our Deposit Account</b>			
<b>9. Statement and signature.</b> 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. Date: January 11, 1999 By <u>D. Bruce Prout</u> Name: D. Bruce Prout 626/795-9900; 213/681-1800 I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231-9998 on: <u>21.11.1999</u> Date <u>Diane M. Surdez</u>					
		Total number of pages including cover sheet, attachments, and document: <span style="border: 1px solid black; padding: 2px;">02</span>			

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**PATENT**  
**REEL: 9714 FRAME: 0635**

**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

(1) Young-Lyoul HAN

HEREBY SELLS, ASSIGNS AND TRANSFERS TO

(2) Samsung Electronics Co., Ltd. having a place of business at  
(3) 416, Maetan-dong, Paldal-ku, Suwon-city, Kyungki-do, Korea

(hereinafter called "ASSIGNEE") the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

(4) DUMMY PAD, A PRINTED CIRCUIT BOARD INCLUDING THE SAME, AND A LIQUID CRYSTAL DISPLAY INCLUDING THE SAME

which application was

(a) executed by the undersigned on (5a) \_\_\_\_\_

(b) filed on (5b) November 27, 1998

and assigned Application No 09/200,577

including any and all United States Patents which may be granted on said application and any and all extensions, divisions, reissues, substitutes, renewals or continuations of said application and patents and the right to all benefits under all international conventions for the protection of industrial property and applications for said improvements.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said ASSIGNEE, its assigns or its successors in interest or its designee.

Upon said consideration, it is further agreed that, when requested, without charge to but at the expense of said ASSIGNEE, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications, execute all rightful other papers and generally do everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining patent protection as provided herein.

DATE

INVENTOR:

December 23, 1998

Young-Lyoul Han  
Young-Lyoul HAN

WITNESSES

Kim K. Song  
Changwon Kim

DN: PAS161849.1 \* 1/30/98 12:27 pm