Title: DISPLAY PANEL HAVING Crossover CONNECTIONS EFFECTING DOT INVERSION

Abstract: A display is disclosed having crossover connections effecting dot inversion. The display includes a panel substantially comprising a subpixel repeating group, the group having an even number of subpixels across a first direction. The display also includes a driver circuit coupled to the panel providing image data signals to the panel, the signals effecting substantially a dot inversion scheme to the panel. The display also includes a plurality of crossover connections from the driver circuit to the columns of the panel such that same color subpixels across the first direction such that the polarities of the same color subpixels substantially alternate.
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:
9 February 2006
# INTERNATIONAL SEARCH REPORT

**International application No.**

PCT/US04/18034

## A. CLASSIFICATION OF SUBJECT MATTER

<table>
<thead>
<tr>
<th>IPC(7)</th>
<th>US CL</th>
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<tr>
<td>G09G 003/36</td>
<td>345/087,096,209</td>
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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S.: 345/087,096,209

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 6552706 B1 (IKEDA et al) 22 April 2003, col 1, lines 5-11</td>
<td>1-31</td>
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<td>Y</td>
<td>US 5949396 A (LEE) 07 September 1999, see fig 4</td>
<td>1-31</td>
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<td>Y</td>
<td>US 5754163 A (KWON) 19 May 1998, col 2, lines 3-16</td>
<td>22 and 30</td>
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<td>Y</td>
<td>US 6342876 B1 (KIM) 29 January 2002, fig 3, 4 and 9</td>
<td>7-10,12-14,25-27</td>
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</table>

* Further documents are listed in the continuation of Box C.  

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Date of the actual completion of the international search 04 November 2005 (04.11.2005)

Date of mailing of the international search report 09 DEC 2005

Name and mailing address of the ISA/US

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Form PCT/ISA/210 (second sheet) (April 2005)