Title: REMOVING CROSS TALK IN AN ORGANIC LIGHT-EMITTING DIODE DISPLAY BY ADJUSTING DISPLAY SCAN PERIODS

Abstract: An organic light-emitting diode display driver (440, 120) adjusts the display scan period of the current driving (442) the organic light-emitting diodes (102) of a selected row based upon the sum of the display data corresponding to the selected row, thereby removing crosstalk in the OLED display panel (100). The driver (402) includes an adder (406) for adding the display data corresponding to the selected row and a scan period look-up table (404) storing display scan period values. The scan period look-up table (404) is configured such that it outputs display scan period values substantially proportional or inversely proportional to the sum of the display data to remove bright crosstalk or dark crosstalk, respectively, in the OLED display panel (100).
Date of publication of the international search report:
24 August 2006

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.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC: G09G 3/30( 2006.01), 3/32( 2006.01)

USPC: 345/76, 82, 83
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.: 345/76, 82, 83

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)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X, P</td>
<td>US 6,870,023 B1 (COK) 22 March 2005 (22.03.2005), figures 1-6, whole document.</td>
<td>1-27</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

See patent family annex.

Date of the actual completion of the international search

Date of mailing of the international search report
07 JUL 2006

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Form PCT/ISA/210 (second sheet) (April 2005)
Continuation of B. FIELDS SEARCHED Item 3:
EAST, database, US, US-PUB, EPO, JPO, DERWENT, IBM_TDB; search term: ((organic adj light adj emit$4 adj diode) or OLED) and (column or data) adj2 driv$3 and (scan$4 or row) adj2 driv$3 and (add$5 or sum$6) and ((look adj up adj table) or LUT)