LIGHT VALVE DISPLAY USING LOW RESOLUTION PROGRAMMABLE COLOR BACKLIGHTING

A display comprises a front-end component (60) having a matrix of neutral light valves that defines the resolution of the display. A backlight (50) unit provides backlighting for the front-end component and has a plurality of individual elements (33) grouped into repeat units, wherein the individual elements in the repeat units differ in color and the repeat units have a resolution less than the display resolution. All individual elements in individual repeat units are capable of simultaneously emitting light incident on more than one neutral light valve.
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
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12 June 2008
# INTERNATIONAL SEARCH REPORT

## A. CLASSIFICATION OF SUBJECT MATTER

| IPC:  | G09G 3/36( 2006.01) |

USPC: 345/87,204

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.: 345/87,204

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)

## 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>A</td>
<td>US 5,053,765 (SONEHARA et al) 01 October 1991 (01.10.1991), all.</td>
<td>1-10</td>
</tr>
<tr>
<td>A</td>
<td>US 2004/0169774 A1 (HIBI et al) 02 September 2004 (02.09.2004), all.</td>
<td>1-10</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

**Legend:**

- **A**: Special categories of cited documents
- **A**": document defining the general state of the art which is not considered to be of particular relevance
- **E**: " earlier application or patent published on or after the international filing date
- **L**": document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- **O**": document referring to an oral disclosure, use, exhibition or other means
- **P**": document published prior to the international filing date but later than the priority date claimed
- **T**: later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- **X**: document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- **Y**: document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- **&**: document member of the same patent family

Date of the actual completion of the international search: 03 March 2008 (03.03.2008)

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