Title: METHOD AND APPARATUS FOR CONTROLLING DISPLAY REFRESH

Abstract: An approach for dynamic refresh rate control. For one aspect, a policy, such as a power, performance, quality or other policy, for example, is accessed. A refresh rate may then be dynamically selected in response to detected display content activity and policy preferences for displays that are regularly refreshed. Alternatively, if the display is one of a bi-stable, a self-refreshing display or another type of display that is refreshed irregularly, whether or not to refresh the display may be determined based on detected content activity.

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**

INV. G09G3/20

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)

G09G

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

**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 No.</th>
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<tr>
<td>Y</td>
<td>paragraphs [0010], [0013], [0016], [0017], [0020], [2426]; figures 1,3</td>
<td>10,18</td>
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<td>column 2, line 47 - line 54; figure 1</td>
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**X** Further documents are listed in the continuation of Box C.  
**X** See patent family annex.

* 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 document published on or after the international filing date
  
  **L** later document published prior to the international filing date but later than the priority date claimed
  
  **P** document published prior to the international filing date but later than the priority date claimed
  
  **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 novel or 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.

Date of the actual completion of the international search: 3 November 2006

Date of mailing of the international search report: 23/11/2006

Name and mailing address of the ISA:

European Patent Office, P.B. 0818, Patentsdijl, NL - 2280 HV Rijswijk
Tel. (431-70) 340-2040, Tx. 31 651 epo nl, Fax (431-70) 340-3916

Authorized officer:

Gundlach, Harald
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</table>
INTERNATIONAL SEARCH REPORT

Box II  Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III  Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☑ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest  ☐ The additional search fees were accompanied by the applicant's protest.

☒ No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (2)) (January 2004)
This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-9, 11-17, 19-33
   see below, invention I

2. claims: 10, 18,
   see below, invention II
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<td>US 2004125099 A1</td>
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