SYSTEM AND METHOD FOR PROCESSING IMAGE DATA

A method of transmitting a plurality of frames of image data over a communications channel from a display image source to a display device is disclosed, wherein the plurality of frames of image data are transferred on a frame-by-frame basis at a predetermined time interval. The method includes encoding at least a portion of a selected frame of image data via hierarchical encoding to form a hierarchically encoded set of image data layers, and sending only a subset of the set of image data layers over the communications channel, wherein the subset of image data layers includes fewer image data layers than the set of image data layers.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(7) : G06K 9/36, 9/46
   US CL : 382/232, 235, 238, 239, 240
   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. : 382/232, 235, 238, 239, 240

   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>
<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</td>
<td>US 6,690,833 B1 (CHIAN et al.) 18 June 1998 (18.06.1998), columns 3, 4, 5 and 6</td>
<td>1-35</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: 28 January 2006 (28.01.2006)

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