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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.

(54) Title: WATERMARK COMMUNICATION AND CONTROL SYSTEMS

(57) Abstract: An enhanced television system (e.g., ATVEF-based) convey enhancement data using an in-band, video watermark, channel. The system desirably is implemented using a layered architecture, so that the watermark nature of the communications channel is transparent to other layers that employ the enhancement data. Due to the in-picture nature of the communications channel, systems employing the detailed technology are not subject to some of the compatibility issues that are present with prior art techniques.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : H04N 7/08; H04K 1/00
US CL : 382/100; 725/135; 380/211
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. : 382/100, 232; 380/210, 211, 287, 54; 709/217, 218, 219; 348/460, 461, 463, 465, 467; 725/112, 113, 135, 136, 139

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>
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<th>Relevant to claim No.</th>
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<tr>
<td>A</td>
<td>US 6,058,430 A (KAPLAN) 02 May 2000 (02.05.2000), see the entire document.</td>
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<td>A</td>
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<td>US 5,385,858 A (HARPER et al.) 17 December 1996 (17.12.1996), see the entire document.</td>
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Further documents are listed in the continuation of Box C. See patent family annex.

Date of the actual completion of the international search
23 April 2002 (23.04.2002)

Date of mailing of the international search report
17 MAY 2002

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