(54) Title: SYSTEM AND METHOD FOR OPTIMIZING MULTIMEDIA COMPRESSION USING PLURAL ENCODERS

(57) Abstract: A multimedia stream is compressed in parallel by plural encoders (A, B, ..., N), the compressed stream outputs of which are dynamically evaluated for merit (14). A best one of the compressed streams is transmitted (16), along with information regarding the particular compression algorithm that was used, so that the receiver’s decoder can decompress the stream for presentation (18, 20).
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.
# INTERNATIONAL SEARCH REPORT

**International application No.**

PCT/US03/38159

## A. CLASSIFICATION OF SUBJECT MATTER

- **IPC(7)**: G06F 15/16, 13/14; H04J 1/08, 3/14, 4/00
- **US CL.**: 709/219, 231-234, 247; 370/229-235, 328-330, 464-465

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.**: 709/219, 231-234, 247; 370/229-235, 328-330, 464-465

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

**NONE**

Electronic database consulted during the international search (name of database and, where practicable, search terms used)

WEST Search—> multimedia stream, compress$, encod$, decod$, wireless, channel, CDMA, OFDM, transmitt$

## 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 6,490,250 B1 (HINCHLEY et al) 03 December 2002, abstract; figures 2-4; column 3 line 23 to column 4 line 53; column 10 lines 3-60.</td>
<td>1-9, 14-16, 18-24, and 26-32</td>
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<td></td>
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<td>10-13, 17, 25-27, and 33-36</td>
</tr>
<tr>
<td>A</td>
<td>US 6,065,050 A (DEMONOY) 16 May 2000.</td>
<td>1-36</td>
</tr>
<tr>
<td>A</td>
<td>US 5,999,985 A (SEBESTYEN) 07 December 1999.</td>
<td>1-36</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.  
See patent family annex.

### * Special categories of cited documents:

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Date of the actual completion of the international search:

31 August 2004 (31.08.2004)

Date of mailing of the international search report:

09 SEP 2004

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