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(71) Applicant (for all designated States except US):
DIGITA CORPORATION [US/US]; Suite 19, 1518 Brookhollow Drive, Santa Ana, CA 92705 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only):

(74) Agent: LEE, Samuel S.; Fish & Richardson P.C., Suite 500, 4350 La Jolla Village Drive, San Diego, CA 92122 (US).


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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: DIGITAL VIDEO AND DATA RECORDER

(57) Abstract: The invention includes a digital track format and a method for recording one or more streams of interframe compressed audiovisual data which has been synchronized to a reference clock (23A). The invention adds special "splice point" indicators (27) to recorded video material. The splice point indicators (27) are added either periodically (e.g. by recording a special reference clock) or when a discontinuity occurs in recording audiovisual data streams, splice point indicators (27) are used to determined the existence of a point of discontinuity in the recorded audiovisual data. The system and method enable parsing and later resynchronizing recording of an audiovisual data stream such that the audiovisual data can be played back (22) with proper resynchronization at each point of discontinuity (the "pause and resume" function). The format and method also allow for recording and abrupt change from one audiovisual data stream to a different audiovisual data stream having a different clock reference, such that the two recorded sequences are spliced together as one continuous recorded sequence that can be played back (22) with resynchronization of the program audiovisual data at each splice point (the "channel change" function). As a consequence of using and added special reference clock as a splice point indicator (27), the invention also provides random access playback.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(6) : H04N 5/917
   US CL. : 386/109
   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. : 386/109, 104, 46, 52, 53, 54, 55, 68, 75, 4, 39, 1, 111, 112
   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>
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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>
</tr>
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<tr>
<td>X</td>
<td>US 5,377,051 A (LANE ET AL) 27 DECEMBER 1994, COLUMN 51, LINES 1-9.</td>
<td>1-2, 5, 14-15, 19,</td>
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Further documents are listed in the continuation of Box C. See patent family annex.

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Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231
Facsimile No. (703)305-3230

Authorized officer

Bob Chevalier
Telephone No. 703-305-4700

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