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(54) Title: SYSTEM AND METHOD FOR REAL TIME VIDEO PRODUCTION

(57) Abstract: An integrated, fully automated video production system provides a video director with total control over all video production devices used to produce and broadcast a show. The video production system includes a processing unit that communicates with one or more video production devices and supports production automation. A video director defines a set of video production commands or instructions ("transition macro") to be executed by the processing unit, and then, by activating a control button displayed by the processing unit, the video director instructs the processing unit to execute the transition macro. The processing unit also records the show or elements from the show following its production. The show or elements can be recalled for subsequent broadcasts. An Internet interface supports live or on-demand requests for content from the video production. An online user can select specific elements and reorganize the elements to personalize a broadcast. The processing unit receives and executes the online request to continuously stream or download the content to the user.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/00547

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04N5/222

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)

IPC 7 H04N G06F G09B G11B H04H

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 5 659 792 A (WALMSLEY SIMON ROBERT) 19 August 1997 (1997-08-19) the whole document ---	1-3, 11-27 4-7
X	EP 0 239 884 A (IBM) 7 October 1987 (1987-10-07) page 2, line 13 -page 3, line 30; claim 1; figures 1-14 page 4, line 5 -page 8, line 34 ---	1,2,11, 26,27
A	US 5 274 758 A (BISHOP MARK S ET AL) 28 December 1993 (1993-12-28) column 2, line 36-57; figures 10-44 column 4, line 4 -column 4, line 50 column 11, line 52 -column 17, line 11 --- -/--	1-7, 11-27

Further documents are listed in the continuation of box C.

Patent family members are listed in 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 but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *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 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.
- *Z* document member of the same patent family

Date of the actual completion of the international search

16 August 2001

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28/08/2001

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INTERNATIONAL SEARCH REPORT

International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 450 140 A (WASHINO KINYA) 12 September 1995 (1995-09-12) the whole document ----	1-35
A	US 5 537 157 A (WASHINO KINYA ET AL) 16 July 1996 (1996-07-16) the whole document ----	1-35
X	EP 0 774 756 A (HITACHI ELECTRONICS) 21 May 1997 (1997-05-21)	8-10,28, 29
A	abstract; figures 4-6 ----	30-35
X	EP 0 933 893 A (SONY CORP) 4 August 1999 (1999-08-04)	8-10,28, 29
A	abstract; figures 1,3-8 column 8, line 42 -column 14, line 48 column 36, line 14 -column 39, line 54 ----	30-35
A	GB 2 323 699 A (SONY CORP) 30 September 1998 (1998-09-30) page 3, line 1 -page 6, line 1; figures 1-6 ----	8-10, 28-35
A	US 5 307 456 A (MACKAY MICHAEL T) 26 April 1994 (1994-04-26) abstract; figures 16-24 -----	8-10, 28-35

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 01/00547

Box I Observations where certain claims were found unsearchable (Continuation of item 1 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 II Observations where unity of invention is lacking (Continuation of item 2 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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-7, 11-27:

Method and system for producing a video stream, using a processing unit and one or more production devices, wherein a script is formed including video production commands and a file including a sub-set of the commands relating to segments of the video stream

2. Claims: 8-10

System for viewing a news program from a plurality of video segments, with customization means wherein one or more of the segments are selected and displayed continuously.

3. Claims: 28-35

A method for broadcasting in a video system having a server and clients, wherein on request video data segments are assembled to a video clip, sent to a client, buffered and displayed.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/00547

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