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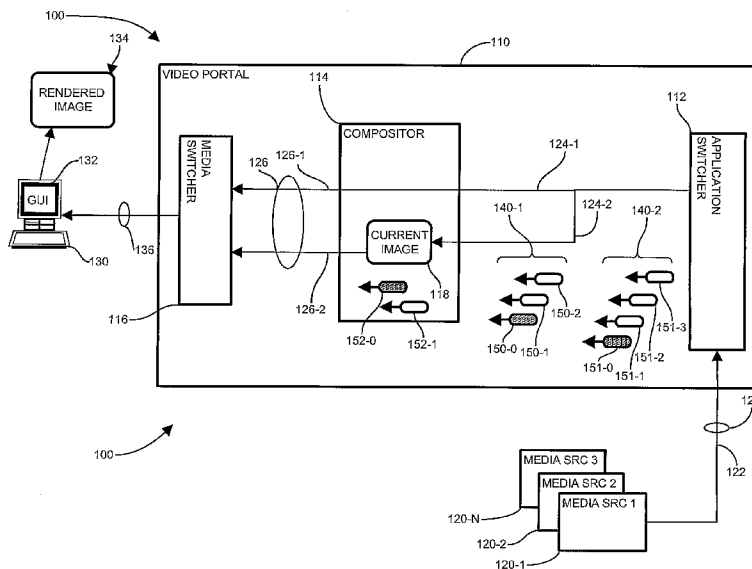
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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

[Continued on next page]

(54) Title: METHODS AND APPARATUS FOR DELIVERING SERVICES



(57) Abstract: A video portal delivers video services as disclosed herein by identifying a media stream having a plurality of segments, in which each of the segments is defined by an ordered sequence of frames, and receiving a request to direct the identified media stream to a requesting user, such that the request is received during a current segment in the stream. The video portal operable according to configurations discussed herein redirects the media stream to the user in a realtime manner by immediately sending a decoded, computed current frame to the user in a seamless manner for rendering on a user display device, the seamless manner operable to preserve synchronization of the display image with the computed current frame, providing frames remaining in the current segment, and concatenating the provided frames with a successive next segment of the media stream.

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International application No.

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**A. CLASSIFICATION OF SUBJECT MATTER**

IPC: **H04N 7/173;H04N 7/16**

USPC: **725/86-103,114,138,144**

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. : 725/86-103,114,138,144;

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; (i-frames intraframes anchor frames i-frames) and (seamless switching) and (channel changing)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/0034864 A1 (BARRETT et al) 19 February 2004 Figures 1, 4-8; Pages 3-5 (paragraphs 0034-0035, 0046-0050, 0054-0061); See whole document.	1-23
A	US 2003/0093801 A1 (LIN et al) 15 May 2003 Figs 1-4; See whole document.	1-23
A	US 2004/0181813 A1 (OTA et al) 16 September 2004 Figures 2A-B, 3A, See whole document.	1-23

Further documents are listed in the continuation of Box C.

See patent family annex.

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