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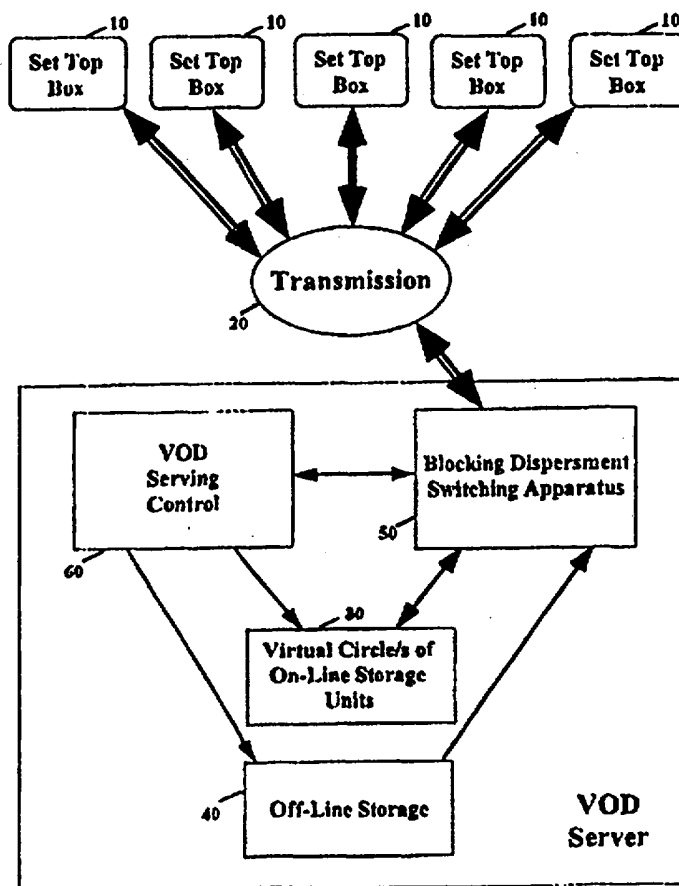
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Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.*

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(54) Title: VIDEO SYSTEM

(57) Abstract

High throughput video serving system operative to serve multiplicity of set-top boxes (10) with corresponding multiplicity of selected video items via transmission equipment (20) comprising on-line storage subsystem comprising first plurality of on-line storage units (30) arranged in at least one virtual circle and storing plurality of video items, each item comprising a sequence of video blocks, each block being accessible within single system tick, wherein, for each individual item, sequential blocks are stored in sequential on-line storage units (30) in each virtual circle and an access system (50) connecting the on-line storage subsystem to the multiplicity of set-top boxes (10) via the transmission equipment (20), wherein an individual set-top box (10) is initially connected to the on-line storage unit which contains the first block of its corresponding selected item and the individual set-top box (10) is subsequently connected to sequential on-line storage unit at each sequential system tick.



* (Referred to in PCT Gazette No. 47/1995, Section II)

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US95/03237

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(6) :H04L 7/10
 US CL :395/200.09; 358/335; 348/7, 10
 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. : 395/200.09; 358/335; 348/7, 10

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)
 Please See Extra Sheet.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US, A, 4,688,168 (Gudaitis) 18 August 1987, Figs 1-2, 7, col 2, lines 11-68, col 4, lines 10-55, col 5, lines 51-63, col 6, lines 10-31, col 9, lines 39-50	1-13
A	US, A, 4,920,432 (Eggers) 24 April 1990, Figs 1-2, the abstract, col 1, lines 64-66, col 3, lines 36-39, col 6, lines 8-45, col 7, lines 6-44, col 8, lines 12-24, lines 57-66	1-13
A	US, A, 5,132,992 (Yurt) 21 July 1992, col 2, lines 25-68, col 6, lines 8-15, col 10, lines 39-45, col 13, lines 9-47	1-13

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

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"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 15 SEPTEMBER 1995	Date of mailing of the international search report 12 OCT 1995
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US95/03237

B. FIELDS SEARCHED

Electronic data bases consulted (Name of data base and where practicable terms used):

APS

video(2a)system, interleav###, interlac###, video(1w)item#, stor### or archiv###, virtual(2w)cricle#, item(4a)(block# or section# or segment#), server, throughput, video(1w)demand, VOD