

Search query (6): [SP]: 1. a method comprising: streaming content having different content paths through the content to different clients, including: having a plurality of transition paths from one content period to a plurality of next content periodsusing one or more criteria to determine which transition path to a next content period to select as a selected next content period for a client andtransmitting segments from the one content period and the selected next content period to the client. 2. the method of claim 1 wherein using one or more criteria to determine which transition path to a next content period to select comprises a) accessing state data, b) accessing client-specific data or c) accessing client-profile data, or any combination of a), b) and/or c). 3. the method of claim 1 wherein using one or more criteria to determine which transition path to a next content period to select comprises obtaining data from at least one social media source. 4. the method of claim 1 wherein using one or more criteria to determine which transition path to a next content period to select comprises obtaining client input data from the client. 5. the method of claim 1 wherein the plurality of transition paths from the one content period to a plurality of next content periods are uncertain until the one or more criteria are obtained that determine which transition path to a next content period to select, and further comprising, selecting a plurality of segments from a plurality of uncertain transition paths, differentiating which segments are in which path, and transmitting the segments for the plurality of uncertain transition paths to the client for buffering. 6. the method of claim 5 wherein selecting the plurality of segments from the plurality of uncertain transition paths comprises using probability data associated with each path to select one or more segments from each path based at least in part on the probability data associated with each path. 7. the method of claim 5 further comprising, building a data structure containing interleaved periods for the uncertain paths, in which the periods are interleaved based at least in part on the probability data associated with each path, and wherein selecting the plurality of segments from the plurality of uncertain transition paths comprises accessing the data structure. 8. the method of claim 5 wherein selecting the plurality of segments from the plurality of uncertain transition paths comprises a) using probability data associated with each path to select one or more segments from each path based at least in part on the probability data associated with each path, or b) using probability data associated with each path to determine a quality adaptation of one or more segments from each path based at least in part on the probability data associated with each path, or both a) and b). 9. the method of claim 5 wherein selecting the plurality of segments from the plurality of uncertain transition paths comprises using probability data associated with each path to determine a quality adaptation of one or more segments from each path based at least in part on the probability data associated with each path, wherein one of the uncertain paths has become a certain path, and further comprising, upgrading downloaded adaptations corresponding to a lower quality segments for the certain path with higher quality adaptations for the certain path. 10. the method of claim 1 wherein having the plurality of transition paths from one content period to the plurality of next content periods comprises representing the content as a state machine, including representing the one content period as one state having transitions to other states, with each other state representing one of the plurality of next content periods. 11. a system comprising, a streaming media source that streams media to clients as content segments, including content segments based upon a plurality of different content paths through the content, including at least one content period configured to transition via a plurality of transition paths to a plurality of other, different content periods, in which the streaming media source, based upon one or more criteria, transitions via one of the plurality of transition paths to select one period to stream to one client and select another of the plurality of transition paths to stream another, different period to another client. 12. the system of claim 11 further comprising a multiple path buffering mechanism component at the streaming media source, in which the streaming media source streams alternative paths comprising different content segments to the one client. 13. the system of claim 12 wherein the multiple path buffering mechanism at the streaming media source includes a differentiation scheme by which the one client recognizes with which of the alternative paths a content segment is associated. 14. the system of claim 13 further comprising a multiple path buffering mechanism component at the one client, comprising a plurality of client device buffers including a buffer for each alternative path of content segments, buffer segment filling logic that determines based upon the differentiation scheme into which one of the plurality of buffers each content segment is to be buffered, and segment removal logic that obtains content segments from one of the buffers. 15. the system of claim 13 further comprising a multiple path buffering mechanism component at the one client, comprising segment removal logic that determines, based upon the differentiation scheme, whether to select each segment or discard each segment with respect to playing the content. 16. the system of claim 11 wherein the streaming media source streams audiovisual content, including one path of the audiovisual content to the one client and another, different path of the audiovisual content to the other client. 17. one or more machine-readable storage media having machine-executable instructions, which when executed perform steps, comprising: for a plurality of content segments: (a) selecting a content segment for streaming to a client(b) streaming the selected content segment to the client(c) determining whether multiple paths exist for selecting a next content segment, and (i) if multiple paths do not exist, selecting a next content period as the selected content segment and returning to step (b) or(ii) if multiple paths exist, selecting a next content segment corresponding to one of the multiple paths, and returning to step (b). 18. the one or more machine-readable storage media of claim 17 wherein multiple paths exist, and wherein selecting the next content segment corresponding to one of the multiple paths comprises using one or more criteria to decide from which of the multiple paths to select the next content segment. 19. the one or more machine-readable storage media of claim 17 wherein multiple paths exist and are uncertain, and wherein selecting the next content segment corresponding to one of the multiple paths comprises selecting the next content segment from a collection of uncertain content segments. 20. the one or more machine-readable storage media of claim 19 having further machine-executable instructions comprising building the collection of uncertain content segments based upon probability data.

Results: 11

1) Family number: 56022023 (US2014082666A)

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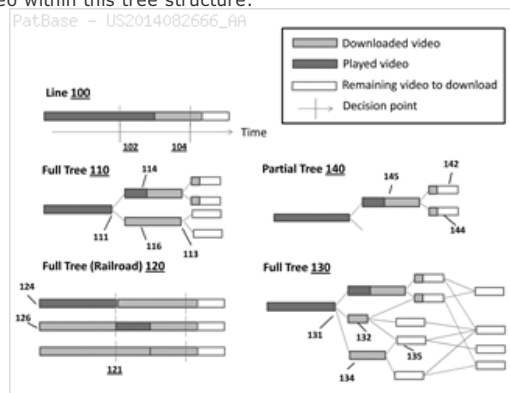
Title:	PROGRESS BAR FOR BRANCHED VIDEOS			
Priority:	US20120622795 20120919		US20150639579 20150305	
Family:	Publication number	Publication date	Application number	Application date
	EP2712206 A1	20140326	EP20130184145	20130912
	US2014082666 AA	20140320	US20120622795	20120919
	US2015199116 AA	20150716	US20150639579	20150305
	US9009619 BB	20150414	US20120622795	20120919
	US10474334 BB	20191112	US20150639579	20150305
Probable Assignee:	JBF INTERLUDE 2009 LTD ISRAEL			
Assignee(s):(std):	JBF INTERLUDE 2009 LTD ; JBF INTERLUDE 2009 LTD ISRAEL			
Inventor(s):(std):	FELDMAN BARAK ; ROTBARD KFIR Y ; ZUBALSKY TAL ; BLOCH JONATHAN			
Agent(s):	SOMERVELL THOMAS RICHARD; GOODWIN PROCTER LLP			
Designated states:	AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR			
International class (TPC 8-9):	G06F16/22 G06F16/74 G06F17/30 G06F3/0481 G06F3/0482 G06F3/0484 G11B27/00 G11B27/34 H04N21/488 H04N21/845 H04N21/8541 H04N5/445 (Advanced/Invention)			
CPC:	H04N21/488 H04N21/8456 H04N21/8541 G06F3/04842 G06F3/0482 G11B27/34 G06F16/2246 G06F16/743			
US class:	715/716 715/719 715/720 715/772 715/859 725/37			
Classification Explorer				
Cited documents:	WOWO2000059224, WO9613810 A1, WO09137919 A1, WO08057444 A2, WO08052009 A2, WO08001350 A2, WO07138546 A2, WO07062223 A2, WO0059224 A1, US9967621 BB, US9826285 BA, US9792957 BB, US9792026 BB, US9715901 BA, US9672868 BB, US9653116 BB, US9653115 BB, US9641898 BB, US9607655 BB, US9530454 BB, US9520155 BB, US9465435 BA, US9390099 BA, US9367196 BA, US9271015 BB, US9268774 BB, US9257148 BB, US9190110 BB, US9094718 BB, US9082092 BA, US9021537 BB, US9009619 BB, US8977113 BA, US8860882 BB, US8826337 BB, US8667395 BB, US8650489 BA, US8612517 BA, US8600220 BB, US8281355 BA, US8276058 BB, US8190001 BB, US8176425 BB, US8151139 BA, US8065710 BB, US8024762 BB, US7917505 BB, US7787973 BB, US7779438 BB, US7694320 BA, US7669128 BB, US7627605 BA, US7472910 BA, US7444069 BA, US7379653 BB, US7310784 BA, US7231132 BA, US7155676 BB, US6801947 BA, US6728477 BA, US6698020 BA, US6657906 BB, US6298482 BA, US6240555 BA, US6222925 BA, US6191780 BA, US6128712 A, US6122668 A, US6067400 A, US5894320 A, US5887110 A, US5848934 A, US5818435 A,			

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Forward Citations: WO16019314, USD831680, US9917917, US9905271, US9832516, US9792957, US9792026, US9699488, US9691428, US9680898, US9672868, US9661357, US9653115, US9641898, US9613659, US9607655, US9530454, US9520155, US9257148, US9236088, US9031375, US2017310723, US2016365126, US2016080452, US2015350735, US2015341461, US2015293675, US2015193390, US2014270711, US2013239158, US2013223818, US10474334, US10462202, US10460765, US10448119, US10432695, US10418066, US10397296, US10279257, US10257578, US10225627, US10218760, US10165245, US10142708, EP3175418, CN107005747, CN106921886, CN106658213, CN106201838,

Abstract:

A system for navigating and visualizing the progression of selectably presentable video content includes a progress indicator module for dynamically displaying the progression status of video content paths made up of selectably presentable video content segments. The system further includes an interactive control module for facilitating navigation along the video content paths. The progression status may be graphically represented in the form of a tree structure having linked video content segments forming the content paths. The control module may be used to navigation the video within this tree structure.



2) Family number: 65206146 (US9602619B)

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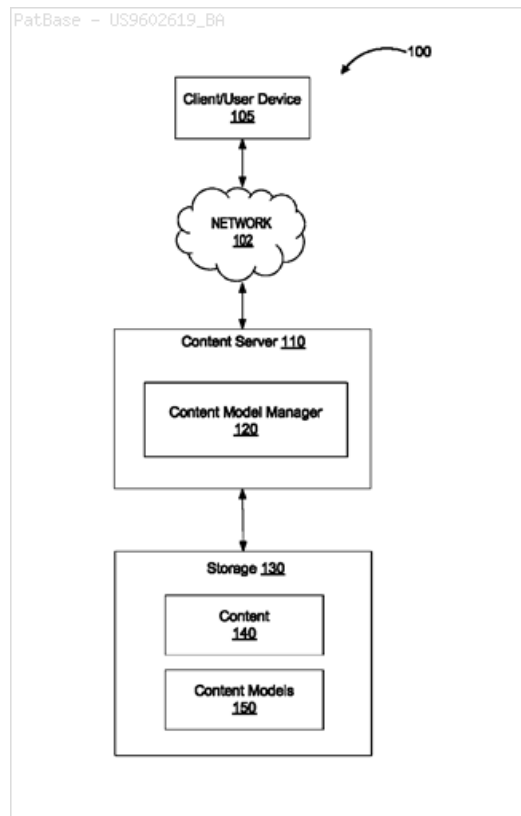
Title: ORDERING OF DIGITAL CONTENT BASED ON A CONTENT MODEL
Priority: US20120629010 20120927 US20170464255 20170320
Family:

Publication number	Publication date	Application number	Application date
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US9602619 BA	20170321	US20120629010	20120927
US10402441 BA	20190903	US20170464255	20170320

Probable Assignee: GOOGLE INC
Assignee(s):(std): GOOGLE INC ; GOOGLE LLC
Inventor(s):(std): ELDAWY MOHAMED S
Agent(s): LOWENSTEIN SANDLER LLP
International class (IPC 8-9): G06F15/16 G06F16/435 G06F16/438 H04L29/06 H04L29/08 (Advanced/Invention); H04L29/06 (Advanced/Non-invention)
CPC: G06F16/4387 G06F16/437 H04L65/60 H04L67/02 H04L67/10 H04L67/2847 H04L65/602
US class: 1/1
[Classification Explorer](#)
Cited documents: US9912718 BA, US8655819 BA, US8538686 BB, US8250009 BA, US7678984 BA, US6385641 BA, US6195622 BA, US2013226837 AA, US2012271805 AA, US2010332567 AA, US2007255844 AA,
Forward Citations: US2017310723, US2017132921,

Abstract:
Ordering of digital content based on a content model is presented. A user request for digital content is received. A content playing model is selected from a plurality of content prefetching models. The content playing model is used for playing a plurality of portions of the digital content. The content playing models are generated based on prior history associated with the digital content. A play sequence for the digital content is generated based on the selected content playing model. The plurality of portions can be obtained using the play sequence.



3) Family number: 54908182 (US2013259442A)

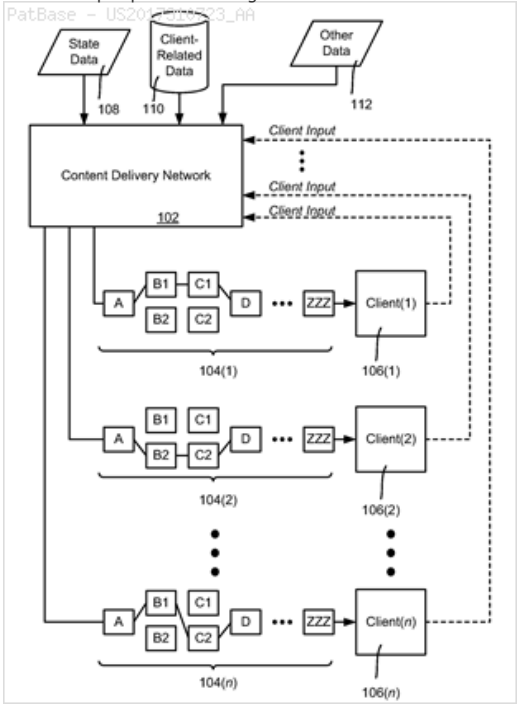
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Title: SYSTEMS AND METHODS FOR LOADING MORE THAN ONE VIDEO CONTENT AT A TIME
Priority: US20120437164 20120402 US20130069694 20131101
Family:

	Publication number	Publication date	Application number	Application date
	US2013259442 AA	20131003	US20120437164	20120402
	US2014178051 AA	20140626	US20130069694	20131101
	US8600220 BB	20131203	US20120437164	20120402
	US9271015 BB	20160223	US20130069694	20131101
	WO13150378 A1	20131010	WO2013IB01000	20130402

Probable Assignee: JBF INTERLUDE 2009 LTD
Assignee(s):(std): BLOCH JONATHAN ; FELDMAN BARAK ; JBF INTERLUDE 2009 LTD ; JBF INTERLUDE 2009 LTD ISRAEL ; ROTBARD KFIR Y ; ZUBALSKY TAL
Inventor(s):(std): FELDMAN BARAK ; ROTBARD KFIR Y ; ZUBALSKY TAL ; BLOCH JONATHAN ; BLOCH YONI
Agent(s): GOODWIN PROCTER LLP; LIFSHITZ SUSAN E
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW
International class (IPC 8-9): H04N21/2343 H04N21/433 H04N21/472 H04N21/8541 H04N5/76 H04N5/761 H04N5/775 H04N5/78 H04N5/93 H04N9/80 (Advanced/Invention)
CPC: H04N21/23439 H04N21/433 H04N21/47202 H04N21/8541

segments, and transitions to one or more other states. When a state is able to transition to different states, one or more criteria may be used to select one of the transition paths to a next state. Segments corresponding to unknown paths (where the transition decision is not yet available) may be selected and streamed for buffering via a multiple path buffering mechanism.



5) Family number: 67972481 (US9849384B)

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Title: VIEWPORT SELECTION SYSTEM
Priority: US20140571953 20141216 US20170819649 20171121

Family:	Publication number	Publication date	Application number	Application date
	US9849384 BA	20171226	US20140571953	20141216
	US10130885 BA	20181120	US20170819649	20171121

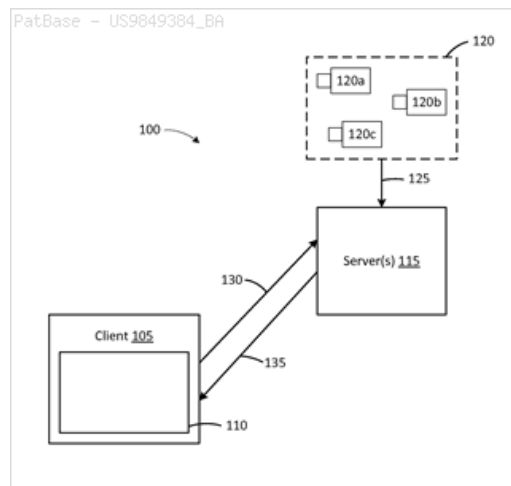
Probable Assignee: AMAZON TECHNOLOGIES INC
Assignee(s):(std): AMAZON TECH INC
Assignee(s): AMAZON TECHNOLOGIES INC
Inventor(s):(std): ENERGIN SEMIH
Agent(s): BAKER AND HOSTETLER LLP
International class (IPC 8-9): A63F13/5252 A63F9/24 G09G5/14 H04N5/247 H04N7/18 (Advanced/Invention)
CPC: A63F13/5252 G09G5/14 H04N21/21805 H04N7/181 G09G2320/0606 G09G2354/00 G09G2370/20 H04N7/147 H04N21/2668 H04N21/6587 A63F13/35 A63F13/812
US class: 1/1

[Classification Explorer](#)

Cited documents: US2015087413 AA, US2014256417 AA, US2014066178 AA, US2014038708 AA, US2010227689 AA, US2008300053 AA, US2008227542 AA, US2008032801 AA, US2006258446 AA, US2004102245 AA, US2004102244 AA, US2003032479 AA,

Forward Citations: US2017310723, US2017282075, GB2570708,

Abstract:
Techniques for enabling selection of one or more viewports from a scene representation are disclosed herein. In some aspects, scene configuration information including a position of at least one viewport relative to the scene may be received. Each of the at least one viewport may be associated with a streaming camera view. A scene representation may then be defined based, at least in part, on the scene configuration information. One or more viewport representations corresponding to each of the at least one viewport may be positioned within the scene representation, based, at least in part on, the scene configuration information. The scene representation, including the at least one viewport representation, may be displayed, for example, to a user. Each viewport representation may allow the respective streaming camera view associated with the corresponding viewport may be displayed, such as by selection of each viewport representation.



6) Family number: 61503529 (US9244678B)

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Title: MANAGING CONTENT VERSIONS

Priority: US20120647295 20121008

Family:	Publication number	Publication date	Application number	Application date
	US9244678 BA	20160126	US20120647295	20121008

Probable Assignee: AUDIBLE INC

Assignee(s):(std): AUDIBLE INC

Inventor(s):(std): STORY JR GUY A ; HATCH STEVEN D ; WALLOGA EDWARD J

Agent(s): KNOBBE MARTENS OLSON AND BEAR LLP

International class (IPC 8-9): G06F9/44 G11B27/02 (Advanced/Invention); G11B27/031 (Advanced/Non-invention)

CPC: G06F8/71 G11B27/02 G11B27/031 Y10S345/901 G11B27/105

US class: 1/1

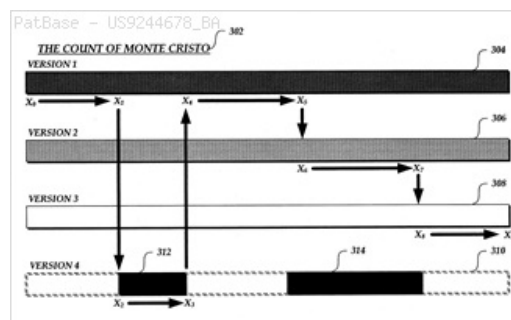
[Classification Explorer](#)

Cited documents: US8904304 BB, US8832319 BB, US8478662 BA, US8180469 BA, US6154757 A, US2014250219 AA, US2014074855 AA, US2014038154 AA, US2013041747 AA, US2013013991 AA, US2012233539 AA, US2012135684 AA, US2011289444 AA, US2011208614 AA, US2011099071 AA, US2009313546 AA, US2009240671 AA, US2008250080 AA, US2006130121 AA, US2003203343 AA,

Forward Citations: US9836442, US2017310723, US2016267065, US2016140530,

Abstract:

Items of content may be available in any of a number of versions. Major aspects of each content version, such as overall plot and major characters, may generally overlap. However, minor aspects, such as level of description, minor characters, or sub-plots may vary between versions. Accordingly, systems and methods are provided for managing playback of multiple content versions, and enabling users to switch between such content versions. In some embodiments, a playback path including portions of multiple content versions may be provided, such that a user may consume only desired portions of each content version. In other embodiments, a determined playback path may be utilized to create a customized content version, which may be provided to a user.



7) Family number: 58870678 (US2016253710A)

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Title: PROVIDING TARGETED CONTENT BASED ON A USER'S MORAL VALUES

Priority:	US20130883180P 20130926	US20130891323P 20131015	US20140970878P 20140326
	US20140024973P 20140715	US20140024964P 20140715	EP20140847018 20140925
	US20140916151 20140925	WO2014US57532 20140925	WO2015US22528 20150325
	US20150128917 20150325		

Family:	Publication number	Publication date	Application number	Application date
	AU2014324893 AA	20160310	AU20140324893	20140925
	CA2923041 AA	20160302	CA20142923041	20140925
	CN106537901 A	20170322	CN201580028345	20150325
	EP3049952 A1	20160803	EP20140847018	20140925

EP3049952 A4	20170315	EP20140847018	20140925
EP3123713 A1	20170201	EP20150768536	20150325
EP3123713 A4	20170906	EP20150768536	20150325
EP3534318 A1	20190904	EP20190170238	20140925
HK1230295 A1	20171201	HK20170101165	20170203
IN201617036028 A	20170310	IN201617036028	20161021
US2016253710 AA	20160901	US20140916151	20140925
US2017201779 AA	20170713	US20150128917	20150325
WO15048338 A1	20150402	WO2014US57532	20140925
WO15148693 A1	20151001	WO2015US22528	20150325

Probable Assignee: PUBLICOVER MARK

Assignee(s):(std): FOSTER WILLIAM KNIGHT ; PUBLICOVER MARK ; PUBLICOVER MARK W ; WILLIAM KNIGHT FOSTER

Inventor(s):(std): FOSTER WILLIAM KNIGHT ; PUBLICOVER MARK W

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; GOWLING WLG CANADA LLP; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; SIMMONS AND SIMMONS; JONES CORY A

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): G06F G06F15/16 G06F16/30 G06F17/30 G06Q30/02 H04L29/08 H04N21/2187 H04N21/25 H04N21/258 H04N21/2668 H04N21/45 H04N21/485 H04N21/658 H04N7/10 H04W4/20 (Advanced/Invention)

CPC: H04L67/306 H04N21/4858 H04N21/25883 H04N21/2187 G06Q30/0269 H04W4/21 G06F16/2358 G06F16/24575 G06Q30/0251 H04N21/252 H04N21/2668 H04N21/4126 H04N21/43615 H04N21/4532 H04N21/4788 H04N21/6582 H04N21/812

US class: 1/1 705/14.66 725/35

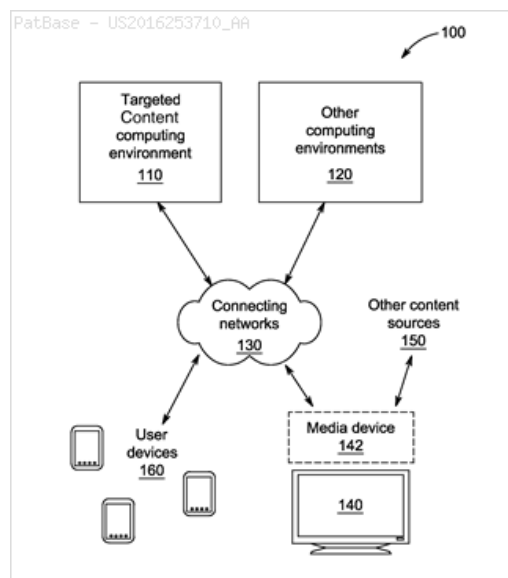
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Forward Citations: WO19134015, WO19125518, WO19085313, WO19077297, WO18191591, WO18170041, WO18071196, WO17184620, WO17066397, USD834021, US9984426, US9973909, US9961625, US9924315, US9883211, US9852480, US9820097, US9779157, US9756607, US9641665, US2018260792, US2018174188, US2018052848, US2017366854, US2017364968, US2017359233, US2017354884, US2017310723, US2017259115, US2017257740, US2017208536, US2017189784, US2017169478, US2017149719, US2017111501, US2017109544, US2017094326, US2017085497, US2017070584, US2017048184, US2016366075, US2016350397, US2016321547, US2016286370, US2016274765, US2016260340, US2016248880, US2016150037, US2016098616, US2016065724, US2016026687, US2015324810, US2015215372, US2015095412, US2015070585, US2014068662, US10491946, US10482327, US10478729, US10471304, US10470241, US10447766, US10440025, US10438224, US10430817, US10425700, US10419788, US10417663, US10412434, US10409464, US10405060, US10402918, US10395155, US10389844, US10389827, US10387896, US10387173, US10375352, US10375343, US10373464, US10366249, US10360296, US10354262, US10346872, US10326702, US10304115, US10299073, US10270872, US10262375, US10262331, US10257309, US10223424, US10212544, US10176457, US10171940, US10171604, US10169973, US10162351, US10157431, US10152758, US10152757, US10147118, US10129706, US10121513, US10120932, US10102593, US10086231, US10075753, US10069769, US10063620, US10057257, US10055891, US10051069, US10038602, US10028211, US10028016, US10027612, US10002259, RU2671249, CN108415451, CN107545172, CN107388301, CN107388301, CN107388296, CN107388296, CN106952063,

Abstract:

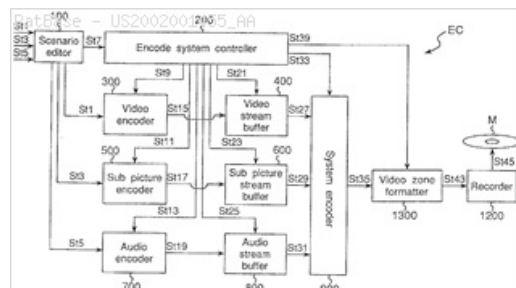
Targeted Content solutions can be provided using a variety of techniques. Targeted Content can be provided in place of generic advertisements on a first device or on personal computing devices. Targeted Content can be presented during, or in place of, generic advertisements in Content (e.g., television content, streaming content, etc.). Targeted Content can be provided in individual and/or group environments. In a group environment, Users and/or Devices can be grouped into a shared advertising group and Targeted Content can be selected based on Profiles of one or more members of the group. Feedback can be received regarding Targeted Content and payout amount can be determined.



Title:	METHOD AND AN APPARATUS FOR REPRODUCING BITSTREAM HAVING NON-SEQUENTIAL SYSTEM CLOCK DATA SEAMLESSLY THEREBETWEEN															
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Family:	<table><tr><th>Publication number</th><th>Publication date</th><th>Application number</th><th>Application date</th></tr><tr><td>US2002001455 AA</td><td>20020103</td><td>US20010933180</td><td>20010821</td></tr><tr><td>US6502200 BB</td><td>20021231</td><td>US20010933180</td><td>20010821</td></tr></table>				Publication number	Publication date	Application number	Application date	US2002001455 AA	20020103	US20010933180	20010821	US6502200 BB	20021231	US20010933180	20010821
Publication number	Publication date	Application number	Application date													
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US6502200 BB	20021231	US20010933180	20010821													
Probable Assignee:	MATSUSHITA ELECTRIC IND CO LTD															
Assignee(s):(std):	MATSUSHITA ELECTRIC IND CO LTD															
Assignee(s):	MATSUSHITA ELECTRIC INDUSTRIAL CO LTD ; AZUMATANI YASUSHI ; FUKUSHIMA YOSHIHISA ; HASEBE TAKUMI ; KASHIWAGI YOSHIICHIRO ; KAWARA TOSHIYUKI ; NAKAMURA KAZUHIKO ; MORI YOSHIHIRO ; TSUGA KAZUHIRO ; MATSUI KENICHI ; KOZUKA MASAYUKI ; OKADA TOMOYUKI ; MATSUSHITA ELECTRIC INDUSTRIAL CO															
Inventor(s):(std):	KAWARA TOSHIYUKI ; OKADA TOMOYUKI ; AZUMATANI YASUSHI ; KOZUKA MASAYUKI ; KASHIWAGI YOSHIICHIRO ; MATSUI KENICHI ; TSUGA KAZUHIRO ; MORI YOSHIHIRO ; NAKAMURA KAZUHIKO ; HASEBE TAKUMI ; FUKUSHIMA YOSHIHISA															
International class (IPC 8-9):	G11B20/10 G11B20/12 G11B27/00 G11B27/02 G11B27/034 G11B27/10 G11B27/30 G11B27/32 G11B27/34 G11B7/005 G11B7/007 H04N13/00 H04N19/00 H04N19/48 H04N19/65 H04N19/70 H04N19/91 H04N5/85 H04N5/92 H04N5/93 H04N9/804 H04N9/82 (Advanced/Invention); H04N5/06 H04N5/44 H04N5/45 H04N9/79 H04N9/806 H04N9/877 (Advanced/Non-invention)															
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Abstract:

A system stream contiguous reproduction apparatus to which are input one or more system streams interleaving at least moving picture data and audio data, and system stream connection information includes a system clock STC generator for producing the system clock that is used as the system stream reproduction reference clock. The system stream contiguous reproduction apparatus further includes one or more signal processing decoders that operate referenced to the system clock STC, decoder buffers for temporarily storing the system stream data transferred to the corresponding signal processing decoders, and STC selectors for selecting a system clock STC referenced by the signal processing decoders when decoding the first system stream, and another system clock STC referenced by the signal processing decoders when decoding a second system stream reproduced contiguously to the first system stream.



Title:	SYSTEMS AND METHODS FOR MULTIPLE DEVICE INTERACTION WITH SELECTABLY PRESENTABLE MEDIA STREAMS											
Priority:	US20130921536 20130619											
Family:	<table><tr><th>Publication number</th><th>Publication date</th><th>Application number</th><th>Application date</th></tr><tr><td>US2014380167 AA</td><td>20141225</td><td>US20130921536</td><td>20130619</td></tr></table>				Publication number	Publication date	Application number	Application date	US2014380167 AA	20141225	US20130921536	20130619
Publication number	Publication date	Application number	Application date									
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US9832516 BB	20171128	US20130921536	20130619
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Probable Assignee: JBF INTERLUDE 2009 LTD ISRAEL

Assignee(s):(std): JBF INTERLUDE 2009 LTD ; JBF INTERLUDE 2009 LTD ISRAEL

Inventor(s):(std): HOFSHY YUVAL ; ZUBALSKY TAL ; FELDMAN BARAK ; BLOCH JONATHAN

Agent(s): GOODWIN PROCTER LLP

International class (IPC 8-9): G06F3/048 H04N21/43 H04N21/472 H04N21/475 H04N21/845 H04N21/8541 (Advanced/Invention)

CPC: H04N21/4307 H04N21/47205 H04N21/4758 H04N21/8456 H04N21/8541

US class: 715/723

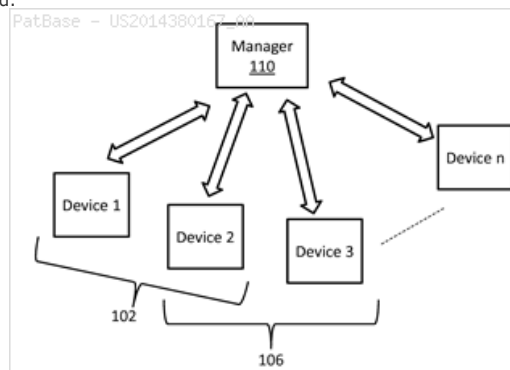
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Cited documents: WO09137919 A1, WO08057444 A2, WO08052009 A2, WO08001350 A2, WO07138546 A2, WO07062223 A2, WO0059224 A1, US9271015 BB, US9257148 BB, US9190110 BB, US9021537 BB, US9009619 BB, US8977113 BA, US8860882 BB, US8650489 BA, US8600220 BB, US8281355 BA, US8276058 BB, US8190001 BB, US8065710 BB, US7917505 BB, US7627605 BA, US7444069 BA, US7379653 BB, US7310784 BA, US7155676 BB, US6801947 BA, US6728477 BA, US6298482 BA, US6222925 BA, US6191780 BA, US6128712 A, US6122668 A, US5818435 A, US5734862 A, US5636036 A, US5607356 A, US5568602 A, US2015294685 AA, US2015293675 AA, US2015199116 AA, US2015181301 AA, US2015179224 AA, US2015104155 AA, US2015067723 AA, US2014380167 AA, US2014282013 AA, US2014270680 AA, US2014178051 AA, US2014129618 AA, US2014082666 AA, US2014078397 AA, US2014040280 AA, US2013282917 AA, US2013259442 AA, US2013055321 AA, US2013054728 AA, US2013046847 AA, US2012308206 AA, US2012198412 AA, US2012110620 AA, US2012094768 AA, US2012017141 AA, US2012005287 AA, US2011264755 AA, US2011252320 AA, US2011246885 AA, US2011202562 AA, US2011200116 AA, US2011197131 AA, US2011191684 AA, US2011138331 AA, US2011131493 AA, US2011126106 AA, US2011096225 AA, US2011041059 AA, US2011026898 AA, US2011010742 AA, US2011007797 AA, US2010332404 AA, US2010293455 AA, US2010287475 AA, US2010287033 AA, US2010278509 AA, US2010268361 AA, US2010262336 AA, US2010186579 AA, US2010167816 AA, US2010161792 AA, US2010153512 AA, US2010146145 AA, US2010077290 AA, US2010042496 AA, US2010017820 AA, US2009320075 AA, US2009228572 AA, US2009199697 AA, US2009116817 AA, US2009063681 AA, US2009055880 AA, US2009024923 AA, US2009022015 AA, US2008314232 AA, US2008301750 AA, US2008300967 AA, US2008276157 AA, US2008148152 AA, US2008092159 AA, US2008091721 AA, US2008086754 AA, US2008031595 AA, US2008022320 AA, US2008021874 AA, US2007239754 AA, US2007162395 AA, US2007157261 AA, US2007118801 AA, US2007033633 AA, US2007024706 AA, US2006224260 AA, US2006200842 AA, US2006155400 AA, US2006150072 AA, US2006064733 AA, US2006028951 AA, US2005102707 AA, US2005091597 AA, US2005055377 AA, US2005019015 AA, US2004172476 AA, US2004138948 AA, US2003221541 AA, US2003184598 AA, US2003183064 AA, US2003159566 AA, US2002177914 AA, US2002120456 AA, US2002106191 AA, US2002105535 AA, US2002091455 AA, JP2008005288 A2, GB2428329 A1, GB2359916 A1, EP2104105 A1, EP1033157 A2, DE10053720 A1,

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Abstract:

A system for multiple device interaction with selectably presentable multimedia content includes an output engine, an input engine, a manager, and a memory that stores selectably presentable multimedia content segments. Each content segment represents a predefined portion of one or more content paths. The output engine, executing on a first device, receives a subset of the content segments, assembles them into a seamless multimedia presentation that is one of the content paths, and plays the assembled multimedia presentation. The input engine, executing on a second device, receives user interactions associated with the multimedia presentation, and the manager coordinates the multimedia presentation among multiple devices based on the user interactions. A method implementing the above steps is also included.



10) Family number: 23626840 (US6128712A)

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Title: METHOD AND APPARATUS FOR IMPROVING PLAYBACK OF INTERACTIVE MULTIMEDIA WORKS

Priority: US19970792484 19970131 US20000563598 20000501

Family:

Publication number	Publication date	Application number	Application date
US6128712 A	20001003	US19970792484	19970131
US6442658 BA	20020827	US20000563598	20000501

Probable Assignee: ADOBE SYSTEMS INC

Assignee(s):(std): MACROMEDIA INC

Assignee(s): ADOBE SYSTEMS INC

Inventor(s):(std): HUNT V BRUCE ; DAY KEN ; CHESLEY HARRY R

International class (IPC 8-9): G11B27/10 H04N21/262 H04N21/433 H04N21/845 H04N21/8541 H04N7/16 (Advanced/Invention)

International class G06F12/02

(IPC 1-7):

CPC: H04N21/8541 G11B27/105 G11B2220/213 G11B2220/2545 G11B2220/2562 H04N7/163 H04N21/26216 H04N21/26233 H04N21/4331 H04N21/8456

European class: G11B27/10A1 H04N21/262C1 H04N21/262C3 H04N21/433C H04N21/845T H04N21/8541 H04N7/16E2 S11B220/21B S11B220/25D2 S11B220/25D3

US class: 348/E07.061 348/E7.061 348/E70.61 369/14 369/15 369/30 369/34 710/40 711/137 711/158 711/204 G9B/027.019 G9B/27.019

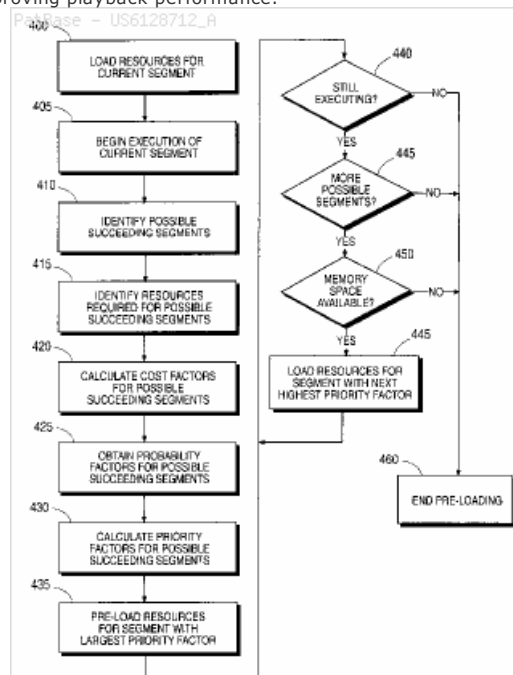
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Cited documents: US6128712 A, US5754730 A, US5732267 A, US5732256 A, US5623490 A, US5619676 A, US5566317 A, US5488725 A, US5487166 A, US5485609 A, US5465358 A, US5463777 A, US5446891 A, US5444617 A, US5442771 A, US5418948 A, US5390318 A, US5265065 A, US5262964 A, US5241671 A, US5183756 A, US4710763 A,

Forward Citations: WO17185007, WO13150378, WO11019775, WO11019775, WO05096301, WO05038805, WO05031737, WO04091220, US9832516, US9792957, US9792026, US9736134, US9672868, US9653115, US9641898, US9607655, US9530454, US9520155, US9510043, US9396224, US9300675, US9271015, US9247226, US9190110, US9185379, US9053200, US9027053, US9021352, US9009674, US8838742, US8799757, US8793573, US8782143, US8762578, US8739018, US8661557, US8656268, US8612859, US8600220, US8593924, US8582960, US8539038, US8438482, US8392848, US8381126, US8370746, US8370745, US8355305, US8332818, US8305398, US8290349, US8280231, US8260991, US8150954, US8122143, US8108787, US8108687, US8020084, US8010649, US7941522, US7940275, US7895610, US7895261, US7890648, US7853932, US7853921, US7809814, US7757240, US7742680, US7721308, US7712106, US7680898, US7673013, US7640534, US7631319, US7610334, US7584479, US7581185, US7571385, US7543308, US7532217, US7529848, US7526776, US7472395, US7467218, US7457677, US7447754, US7441251, US7428703, US7423649, US7412704, US7412685, US7391959, US7360159, US7353520, US7350216, US7330186, US7302689, US7296276, US7290204, US7287226, US7260600, US7260310, US7257232, US7237244, US7237038, US7228056, US7206495, US7197752, US7139466, US7139466, US7126784, US7114170, US7114170, US7114161, US7114161, US7113183, US7103677, US7080380, US7073180, US7073179, US7047489, US7043567, US6983466, US6961943, US6959438, US6954581, US6947990, US6912717, US6882891, US6856322, US6834390, US6768499, US6728840, US6707456, US6671880, US6442658, US6369835, US2015248451, US2015245093, US2013166689, US2013107684, US2011200305, US2011145362, US2011145315, US2011066780, US2011041059, US2009317064, US2009201290, US2009019084, US2009016691, US2008288729, US2008243918, US2008109857, US2008109561, US2008052692, US2007038811, US2007014198, US2007006065, US2007006063, US2007006062, US2007005758, US2007005757, US2006248192, US2006242306, US2006238540, US2006184607, US2006179402, US2006168298, US2006129748, US2006064641, US2006036813, US2005273789, US2005204331, US2005172214, US2005160352, US2005155039, US2005141130, US2005128220, US2005128200, US2005120304, US2005117874, US2005114754, US2005111833, US2005104887, US2005100316, US2005091339, US2005088458, US2005075166, US2005069288, US2005060161, US2005033825, US2004250256, US2004225683, US2004189688, US2004187124, US2004157193, US2004135803, US2004095354, US2004059826, US2004015653, US2003221112, US2003086690, US2003049017, US2003046348, US2002108109, US2002099870, US2002099861, US2002099860, US2002099840, US2002099789, US2002099758, US2002099732, US2002097980, US2002097258, US2002097256, US2002062395, US2002021759, US10474334, US10462202, US10460765, US10448119, US10418066, US10305947, US10257578, US10218760, US10051298, JP5995569, JP2013025860, FR2870615, FR2853797, EP2546834, EP2031875, EP2031875, EP1739680, EP1669996, EP1669996, EP1667115, EP1667115, EP1400103, EP1400103, EP1267352, EP1267352, EP1267273, EP1267273, DE102013102754, DE102013102754, DE102013022363, CN104350741, CN104350741, CN101341752,

Abstract:

The present invention comprises a system for delivering an interactive multimedia work from a storage device, for example a hard disk drive, a CD-ROM drive, a network server, etc. to a playback device, for example a personal computer, in a manner that provides improved performance regardless of the playback sequence selected by a user. In one embodiment of the present invention, for each segment of an interactive multimedia work, a probability factor is assigned to each possible alternative succeeding segment. In addition a retrieval and delivery time cost factor is also assigned to each possible succeeding segment. In one embodiment of the invention, the time cost factor for each resource is assigned a fixed value. In another embodiment, the time cost factor is recalculated periodically to reflect changes in location and status of resources. The probability and time cost factor for each possible succeeding segment are combined to produce a relative priority ranking. Resources for the possible succeeding segments are pre-loaded according to the relative priority ranking. As a result, the latency time between the time a segment is selected as a result of user input and the time at which execution of the segment begins is reduced and the performance of a multimedia work improved. In one embodiment of the invention, in addition to delivering resources in the order of a relative priority ranking, the resources are also stored according to the relative priority ranking, thereby reducing the average seek time needed to find and retrieve resources and further improving playback performance.



Title: MULTI-RESOLUTION VIDEO-CACHING SCHEME FOR INTERACTIVE AND IMMERSIVE VIDEOS**Priority:** US20020104167 20020322

Family:	Publication number	Publication date	Application number	Application date
	US2003179216 AA	20030925	US20020104167	20020322

Probable Assignee: ENROUTE INC**Assignee(s):(std):** ENROUTE INC**Inventor(s):(std):** BLUME LEO R**International class (IPC 8-9):** G09G5/14 (Advanced/Invention);
G09G5/14 (Core/Invention)**International class (IPC 1-7):** G09G5/00**CPC:** G09G5/14**European class:** G09G5/14**US class:** 345/625[Classification Explorer](#)**Cited documents:** US6654414 BA, US6654019 BB, US6573915 BA, US6515673 BA, US6466254 BA, US6356297 BA, US6204840 BA, US6031541 A, US5923334 A, US5673079 A, US5237648 A,**Forward Citations:** WO17185007, US8811495, US2014267387, US2009131161, US2005119044,**Abstract:**

A method and system for transferring interactive videos from a video source to a video display system is disclosed. The method and system reduces the bandwidth required between the video source and the video display system. Rather than transferring all image data from each image frame of an interactive video, only relevant portions of subsequent image frames are transferred. For example, in one embodiment of the present invention, a view window is defined in a current image frame. Then, a view neighborhood is defined for a subsequent image frame. Image data from the subsequent image frame within the view neighborhood is transferred to the video display system.

PatBase - US2003179216_AA

Patent Application Publication Sep. 25, 2003 Sheet 1 of 10 US 2003/0179216 A1

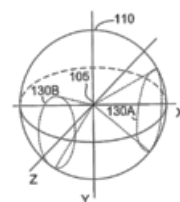


FIG. 1(a) (PRIOR ART)

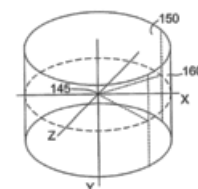


FIG. 1(b) (PRIOR ART)