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Crow et al.

(54) USER INTERFACE FOR PRESENTING MEDIA INFORMATION

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Related U.S. Application Data

- (63) Continuation of application No. 09/293,507, filed on Apr. 15, 1999, now Pat. No. 6,538,665.
- (51) Int. Cl.⁷ G09G 5/00

(56) References Cited

U.S. PATENT DOCUMENTS

5,404,316 A	*	4/1995	Klingler et al 345/328
5,495,566 A	*	2/1996	Kwantinetz 345/341
5,513,342 A	*	4/1996	Leong et al 345/798
5,519,828 A	*	5/1996	Rayner 345/326
5,611,060 A	*	3/1997	Belfiore et al 345/819
5,664,128 A		9/1997	Bauer 345/334
5,682,326 A	*	10/1997	Klingler et al 345/328

(List continued on next page.)

OTHER PUBLICATIONS

Quick Time Movie Player Screendumps illustrating Current Time Indicator Dragging Operation (Ver. 2.1.2.59, 1996, p. 1).*

QuickTime Movie Player Ver. 2.1.2.59 ScreenDump (Current Time Indicator Dragging Operation; p. 1; 1996).*

RealOne Player Version 2.0 ScreenDumps (pp. 4; 2002).* Windows Media Player for Windows XP version 8.0 (pp. 2; 2001).*

PCT International Search Report, mailed Jul. 11, 2000, PCT/US00/10441, 5 pages.

Primary Examiner—Sy D. Luu

(10) Patent No.:

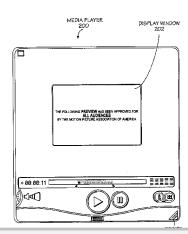
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(57) ABSTRACT

A user interface and methods for using a user interface for controlling processing of time-based media files. In one exemplary method, a graphical representation of a time line for a time-based media is displayed along with a graphical representation of a current time along the graphical representation of the time line. A start graphical indicator and a stop graphical indicator is also displayed along the graphical representation of the time line. A portion of the time-based media may be selected for presentation by dragging or positioning at least one of the start graphical indicator and the stop graphical indicator along the graphical representation of the time line. In another aspect of the invention, an exemplary method allows for the adaptive control of a portion of the interface which indicates time relating to a time-based media. An input speed is determined where this input is to change the portion and the rate at which the change to this portion occurs is dependent upon the input speed. Other aspects of the present invention relating to the interface for controlling the processing of time-based media files are also described.

44 Claims, 25 Drawing Sheets



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U.S. PATENT DOCUMENTS

5,726,687 A	*	3/1998	Belfiore et al 345/684
5,732,184 A	*	3/1998	Chao et al 345/328
5,745,096 A		4/1998	Ludolph et al 345/340
5,758,180 A	*	5/1998	Duffy et al 710/122
5,760,767 A	*	6/1998	Shore et al 345/328
5,760,772 A	*	6/1998	Austin 345/798
5,874,958 A		2/1999	Ludolph 345/339
5,880,725 A	*	3/1999	Southgate 345/790
5,999,173 A	*	12/1999	Ubillos 345/328
6,026,389 A	*	2/2000	Nakajima et al 707/1

6,031,529	Α	*	2/2000	Migos et al 345/783
6,061,062	Α	*	5/2000	Venolia 345/856
6,072,503	Α	*	6/2000	Tani et al 345/473
6,166,736	Α	*	12/2000	Hugh 345/798
6,204,840	B1	*	3/2001	Petelycky 707/500.1
6,332,147	B1	*	12/2001	Moran et al 707/500.1
6,366,296	B1	*	4/2002	Boreczky et al 345/716
6,369,835	B1	*	4/2002	Lin 345/726
6,456,305	B1	*	9/2002	Qureshi et al 345/800
2002/0191028	A1	*	12/2002	Senechalle et al 345/800

* cited by examiner

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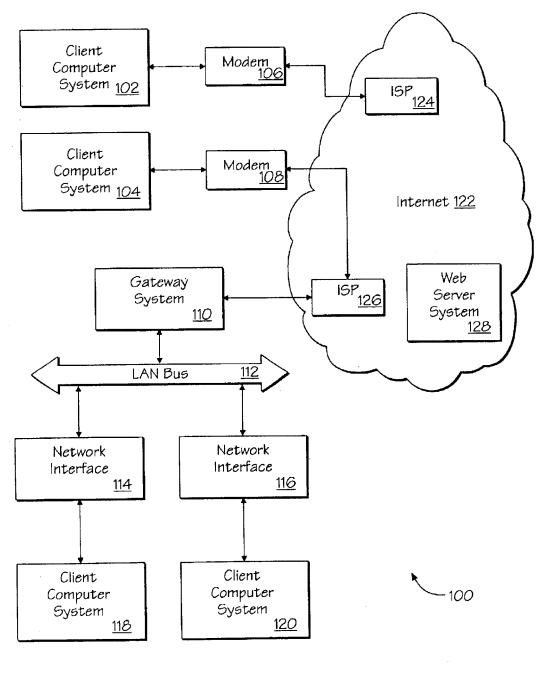
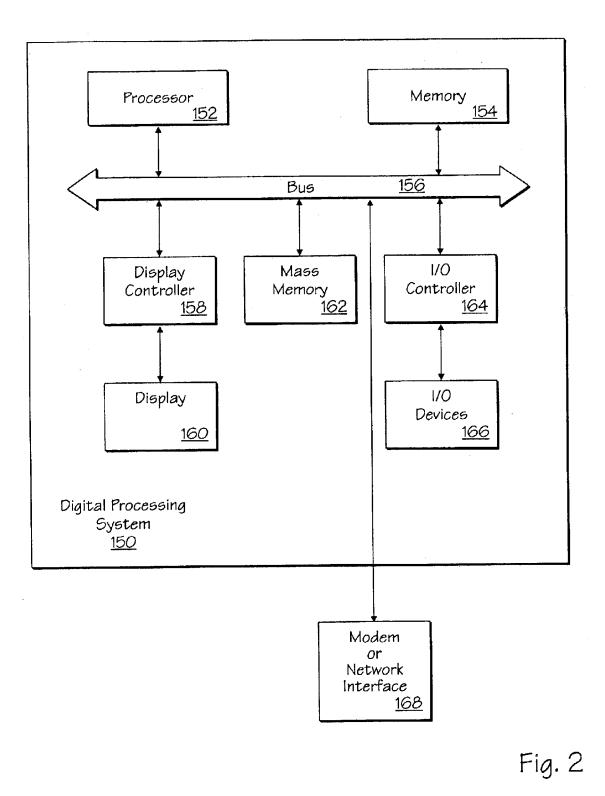


Fig. 1

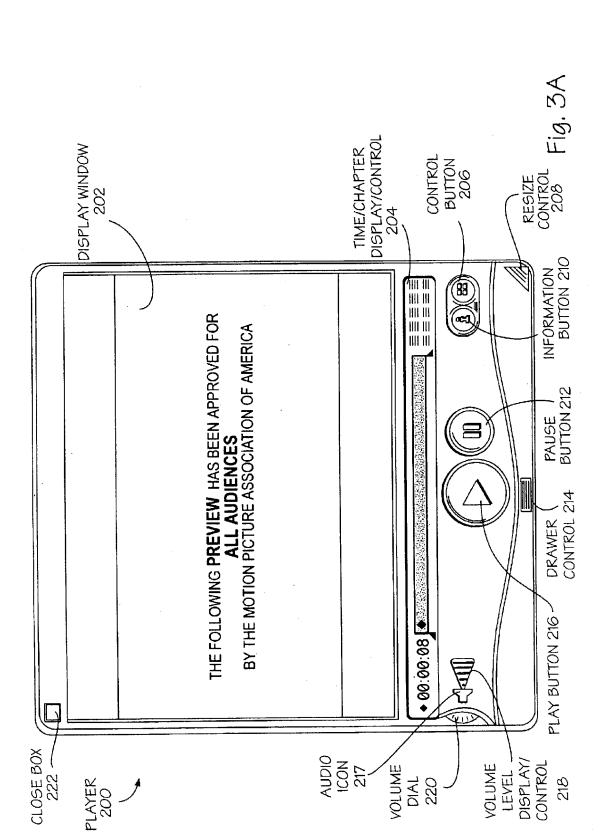
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