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Schumacher et al.

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(54) **DISPLAY SELECTION IN A VIDEO-ON-DEMAND SYSTEM**  
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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

6,078,810 A *	6/2000	Olds et al. ....	455/428
6,105,060 A *	8/2000	Rothblatt .....	709/219
6,157,809 A *	12/2000	Kambayashi .....	725/91
6,191,806 B1 *	2/2001	Mayer .....	725/1
6,205,485 B1 *	3/2001	Kikinis .....	709/231
6,219,355 B1 *	4/2001	Brodigan .....	370/486
6,285,660 B1 *	9/2001	Ronen .....	370/259
6,314,573 B1 *	11/2001	Gordon et al. ....	725/61
6,392,664 B1 *	5/2002	White et al. ....	345/717
6,421,728 B1 *	7/2002	Mohammed et al. ....	709/227
6,430,603 B2 *	8/2002	Hunter .....	709/207
6,480,753 B1 *	11/2002	Calder et al. ....	700/83
6,484,318 B1 *	11/2002	Shioda et al. ....	725/110
6,542,500 B1 *	4/2003	Gerszberg et al. ....	370/354
6,577,414 B1 *	6/2003	Feldman et al. ....	725/129
6,604,240 B2 *	8/2003	Ellis et al. ....	725/45

\* cited by examiner

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(51) **Int. Cl.**<sup>7</sup> ..... **H04N 7/173**; H04N 8/16

(52) **U.S. Cl.** ..... **725/87**; 725/91; 725/93; 725/109; 725/110; 725/116; 725/118; 348/460; 348/552; 348/734

(58) **Field of Search** ..... 725/109, 110, 725/121, 122, 106, 108, 133, 141, 58, 86-104, 1-8, 112, 113, 114, 116, 117, 118; 348/460, 552, 734

(56) **References Cited**

U.S. PATENT DOCUMENTS

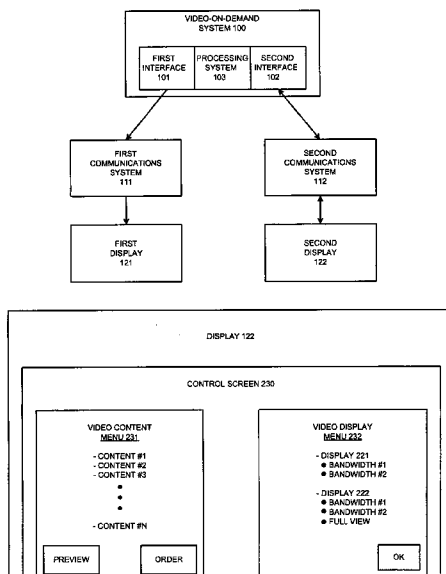
5,488,412 A *	1/1996	Majeti et al. ....	725/111
5,574,779 A *	11/1996	Ely et al. ....	379/221.09
5,594,490 A *	1/1997	Dawson et al. ....	725/67
5,761,602 A *	6/1998	Wagner et al. ....	725/34
5,928,327 A *	7/1999	Wang et al. ....	725/88
5,930,250 A *	7/1999	Klok et al. ....	370/352
5,969,714 A *	10/1999	Butcher .....	345/719
6,012,090 A *	1/2000	Chung et al. ....	709/219
6,041,356 A *	3/2000	Mohammed .....	709/227

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*Assistant Examiner*—Annan Q. Shang

(57) **ABSTRACT**

A video-on-demand system transfers a control screen signal to a second communication system and receives a viewer control signal from the second communication system. The video-on-demand system transfers video signals to either a first communication system or the second communication system based on the viewer control signal. The second communication system uses less bandwidth to transfer the video signals than the first communications system. The control screen could be a web page that includes: 1) a video display menu with a selection of displays and bandwidths to display the video signals, 2) a video content menu with a video preview selection, and/or 3) a video display control menu comprising play, pause, rewind, fast forward, and stop. The video-on-demand system implements the control screen menu selections.

**53 Claims, 7 Drawing Sheets**



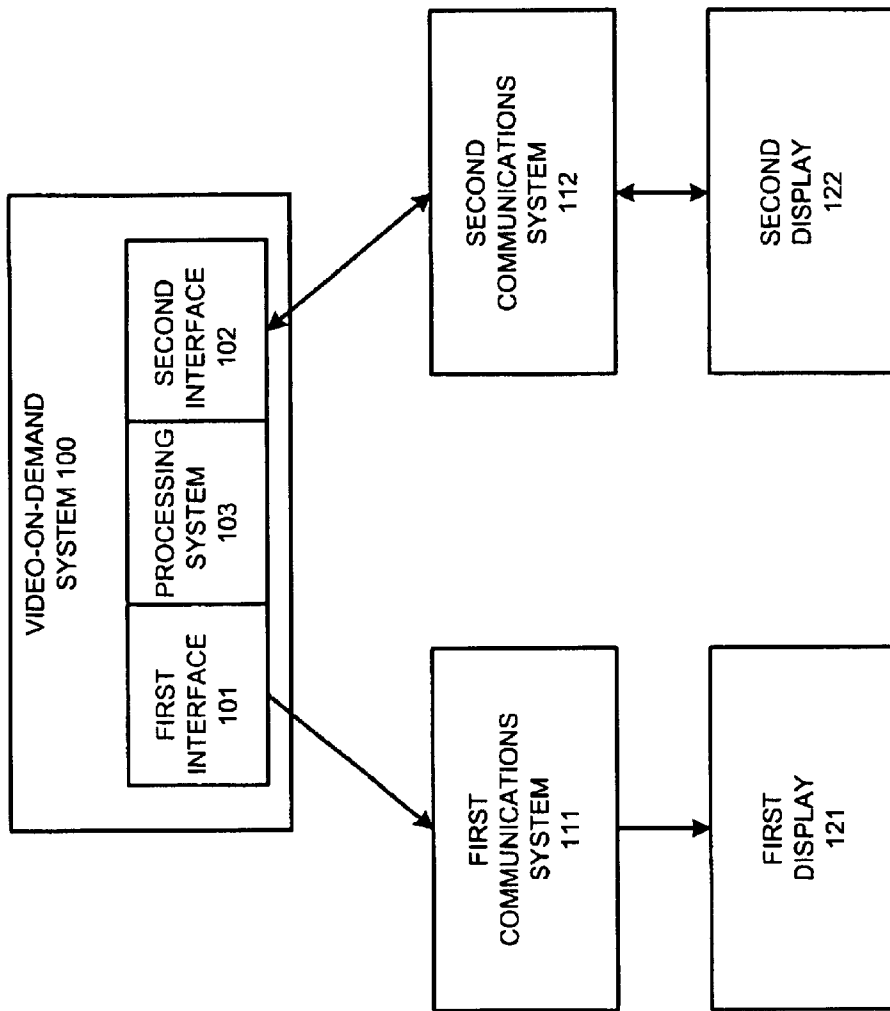


FIG. 1

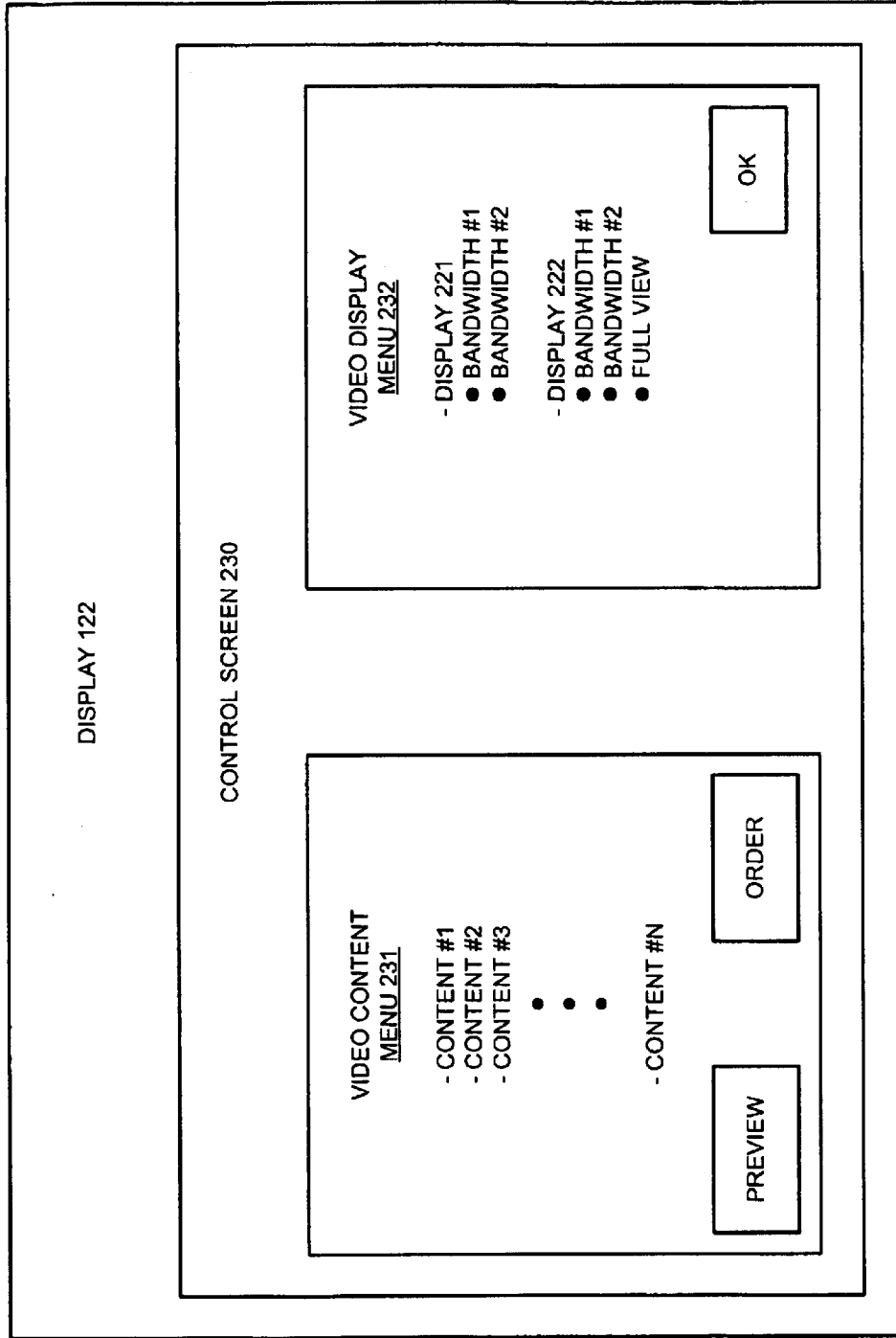


FIG. 2

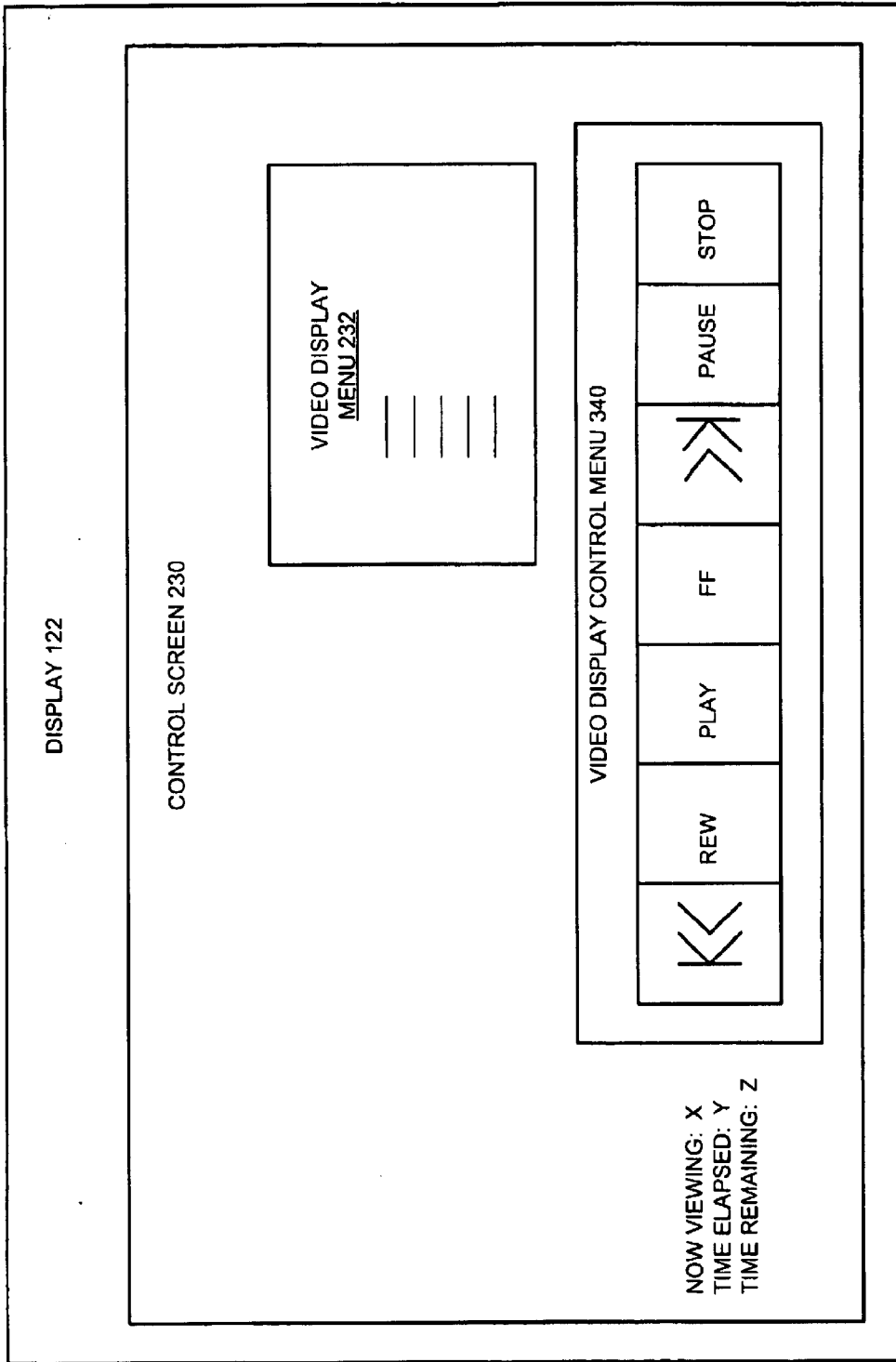


FIG. 3

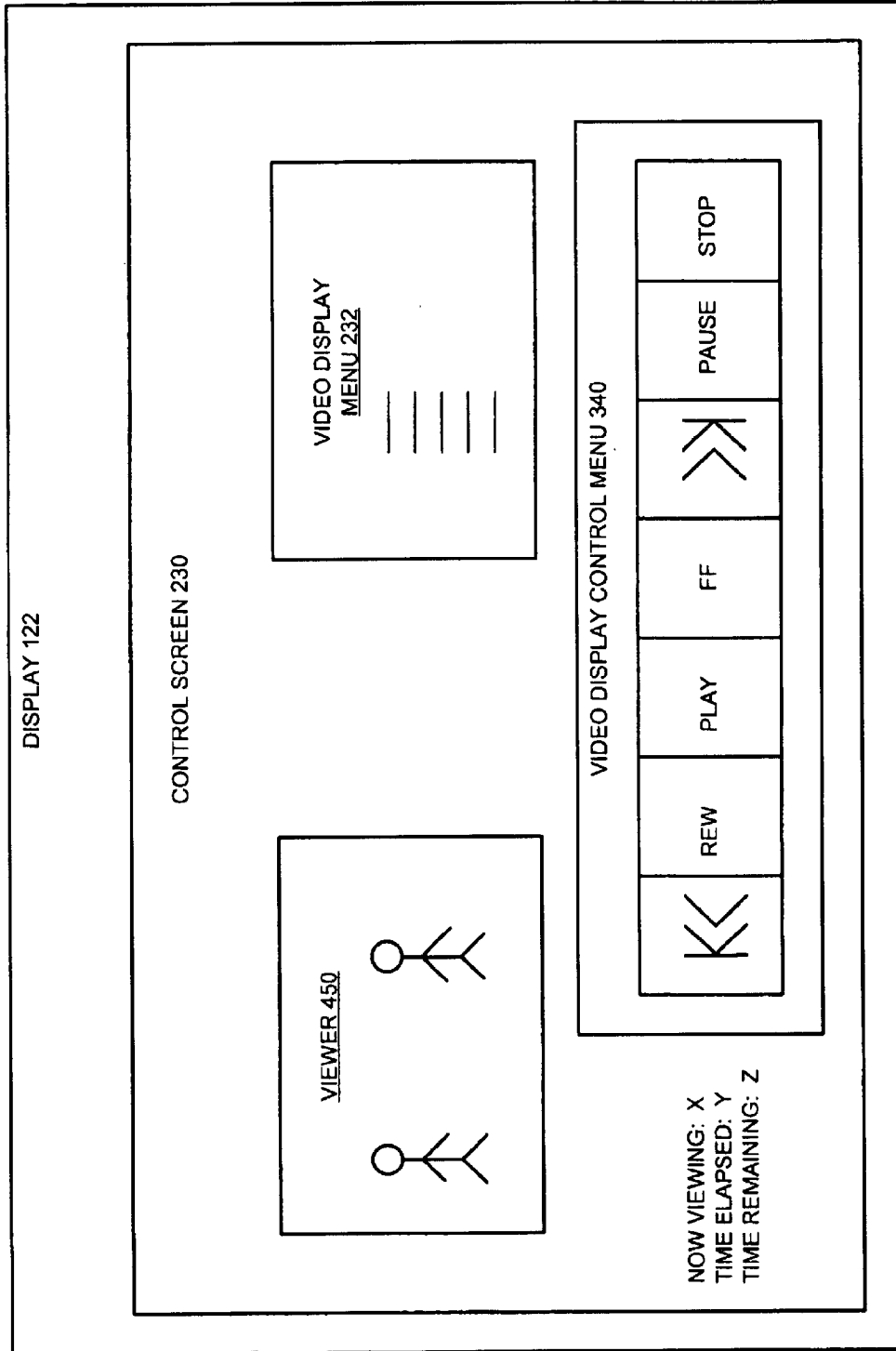


FIG. 4

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