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(54) **SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE**

(75) Inventors: **James A. Billmaier**, Woodinville, WA (US); **John M. Kellum**, Seattle, WA (US); **Anthony F. Istvan**, Snoqualmie, WA (US); **Dewey M. Reid**, Woodinville, WA (US); **Philip A. Rogan**, Bozeman, MT (US)

(73) Assignee: **Digeo, Inc.**, Kirkland, WA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 448 days.

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5,623,613 A	4/1997	Rowe et al.	395/353
5,663,757 A	9/1997	Morales	348/13
5,673,401 A	9/1997	Volk et al.	395/327
5,677,708 A *	10/1997	Matthews et al.	345/684
5,682,511 A	10/1997	Sposato et al.	395/353
5,812,124 A	9/1998	Eick et al.	345/327
5,838,326 A	11/1998	Card et al.	345/355
5,850,218 A *	12/1998	LaJoie et al.	725/45
6,005,601 A	12/1999	Ohkura et al.	348/7
6,020,930 A	2/2000	Legrand	348/569
6,028,600 A	2/2000	Rosin et al.	345/327
6,037,933 A *	3/2000	Blonstein et al.	715/721
6,151,059 A *	11/2000	Schein et al.	725/37

(Continued)

FOREIGN PATENT DOCUMENTS

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H04N 7/25 (2006.01)

(52) **U.S. Cl.** **715/720; 715/719; 715/721; 725/39; 725/41; 725/52**

(58) **Field of Classification Search** **715/719, 715/720, 721; 725/56, 41, 52, 39, 37, 38**
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,398,074 A	3/1995	Duffield et al.	348/564
5,524,195 A	6/1996	Clanton, III et al.	395/155
5,602,596 A	2/1997	Claussen et al.	348/564
5,606,374 A	2/1997	Bertram	348/565
5,621,456 A	4/1997	Florin et al.	348/7

OTHER PUBLICATIONS

U.S. Appl. No. 10/138,803, filed May 3, 2002, James A. Billmaier et al.

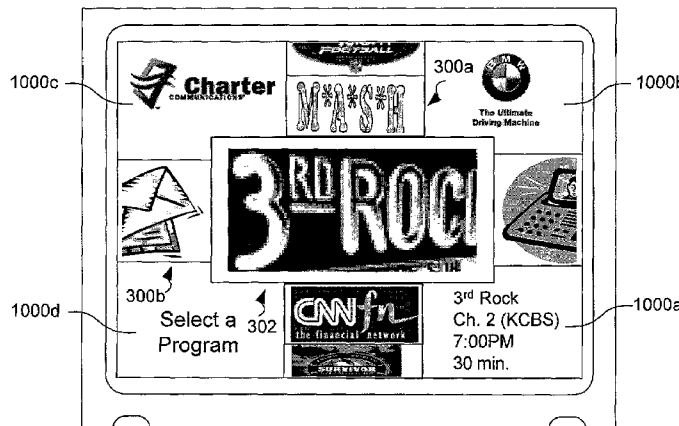
(Continued)

Primary Examiner—Raymond J. Bayerl
Assistant Examiner—Dennis Bonshock
(74) *Attorney, Agent, or Firm*—Kory D. Christensen; Stoel Rives, LLP

(57) **ABSTRACT**

A sequence of cards is stored that graphically represents available options within an information system. In response to a single user action, the sequence of cards is successively displayed within a focus area of the user interface. In response to a subsequent user action, the successive display is discontinued to display a particular card representing a selected option.

53 Claims, 16 Drawing Sheets



U.S. PATENT DOCUMENTS

6,163,345	A	12/2000	Noguchi et al.	348/564
6,175,362	B1*	1/2001	Harms et al.	715/721
6,188,406	B1	2/2001	Fong et al.	345/348
6,262,722	B1*	7/2001	Allison et al.	725/39
6,266,059	B1	7/2001	Matthews, III et al.	345/352
6,266,098	B1	7/2001	Cove et al.	348/563
6,281,940	B1*	8/2001	Sciammarella	348/564
6,313,851	B1	11/2001	Matthews, III et al.	345/718
6,344,880	B1	2/2002	Takahashi et al.	348/563
6,408,437	B1	6/2002	Hendricks et al.	725/132
6,418,556	B1	7/2002	Bennington et al.	725/40
6,425,129	B1*	7/2002	Sciammarella et al.	725/38
6,538,672	B1	3/2003	Dobbelaar	345/810
6,577,350	B1*	6/2003	Proehl et al.	348/564
6,613,100	B1	9/2003	Miller	715/526
6,642,939	B1*	11/2003	Vallone et al.	715/721
6,678,891	B1	1/2004	Wilcox et al.	725/42
6,690,391	B1*	2/2004	Proehl et al.	715/720
6,938,208	B1	8/2005	Reichardt	715/719
6,941,325	B1	9/2005	Benitez et al.	707/200
6,965,415	B1	11/2005	Lundblad et al.	348/556
2002/0033848	A1	3/2002	Sciammarella et al.	345/838
2002/0056129	A1	5/2002	Blacketter et al.	725/112
2002/0060746	A1	5/2002	Yugami et al.	348/458
2002/0070958	A1	6/2002	Yeo et al.	345/723
2002/0078440	A1	6/2002	Feinberg et al.	725/9
2002/0152474	A1	10/2002	Dudkiewicz	725/136
2003/0001898	A1*	1/2003	Bernhardson	345/786
2003/0052900	A1	3/2003	Card et al.	345/660
2003/0090524	A1	5/2003	Segeber et al.	345/786
2003/0093792	A1	5/2003	Labeeb et al.	725/46
2003/0169302	A1	9/2003	Davidsson et al.	345/810

OTHER PUBLICATIONS

U.S. Appl. No. 10/138,804, filed May 3, 2002, James A. Billmaier et al.
U.S. Appl. No. 10/138,805, filed May 3, 2002, James A. Billmaier et al.

U.S. Appl. No. 10/260,738, filed Sep. 30, 2002, Billmaier et al.
U.S. Appl. No. 10/097,174, filed Mar. 12, 2002, Billmaier et al.
U.S. Appl. No. 10/105,088, filed Mar. 22, 2002, Billmaier.
U.S. Appl. No. 10/105,083, filed Mar. 22, 2002, Billmaier.
U.S. Appl. No. 10/097,195, filed Mar. 12, 2002, Billmaier et al.
U.S. Appl. No. 10/108,178, filed Mar. 27, 2002, Billmaier et al.
U.S. Appl. No. 10/113,889, filed Mar. 29, 2002, Billmaier et al.
U.S. Appl. No. 10/107,601, filed Mar. 27, 2002, Billmaier et al.
U.S. Appl. No. 10/113,820, filed Mar. 29, 2002, Billmaier et al.
U.S. Appl. No. 10/186,209, filed Jun. 27, 2002, Istvan et al.
U.S. Appl. No. 10/186,210, filed Jun. 27, 2002, Billmaier et al.
U.S. Appl. No. 10/230,964, filed Aug. 29, 2002, Istvan et al.
U.S. Appl. No. 10/260,700, filed Sep. 30, 2002, Billmaier et al.
U.S. Appl. No. 10/270,738, filed Sep. 30, 2002, Billmaier et al.
U.S. Appl. No. 10/260,208, filed Sep. 30, 2002, Billmaier et al.
U.S. Appl. No. 10/328,754, filed Dec. 23, 2002, Rappaport et al.
U.S. Appl. No. 10/259,199, filed Sep. 27, 2002, Young et al.
U.S. Appl. No. 10/138,805, filed May 3, 2002, Billmaier et al.
U.S. Appl. No. 10/138,803, filed May 3, 2002, Billmaier et al.
U.S. Appl. No. 10/183,804, filed May 3, 2002, Billmaier et al.
U.S. Appl. No. 60/317,612, filed Sep. 6, 2001, Reid et al.
U.S. Appl. No. 60/324,997, filed Sep. 26, 2001, Reid et al.
U.S. Appl. No. 10/186,094, filed Jun. 29, 2002, Billmaier et al.
U.S. Appl. No. 10/187,118, filed Jun. 29, 2002, Billmaier et al.
U.S. Appl. No. 10/186,095, filed Jun. 29, 2002, Billmaier et al.
U.S. Appl. No. 60/377,627, filed May 3, 2002, Billmaier et al.
U.S. Appl. No. 29/161,708, filed Jun. 3, 2002, Nguyen et al.
U.S. Appl. No. 10/251,366, filed Sep. 20, 2002, Allen et al.
U.S. Appl. No. 10/260,881, filed Sep. 30, 2002, Allen et al.
U.S. Appl. No. 10/320,900, filed Dec. 16, 2002, Kolde et al.
U.S. Appl. No. 10/328,514, filed Dec. 23, 2002, Kolde et al.
Nokia Mediaternal 511S; www.nokia.com/multimedia/pdf/mediaternal.pdf; pp. 1-12; Dec. 11, 2001.
Nokia Mediamaster 9470S; <http://www.digitv.de/ifa01/nokia9470s.shtml>; pp. 1-2; Dec. 11, 2001.

* cited by examiner

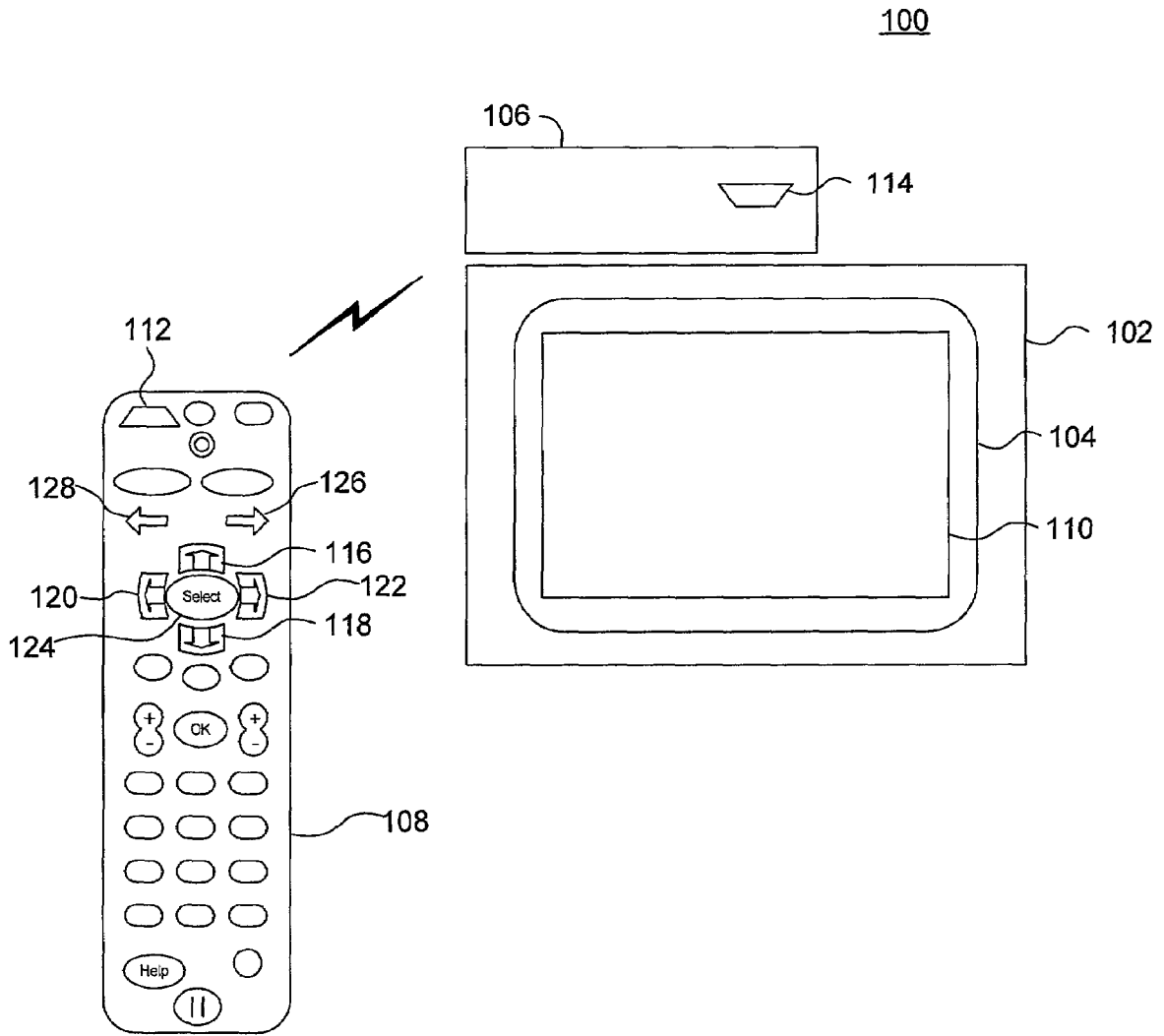


FIG. 1

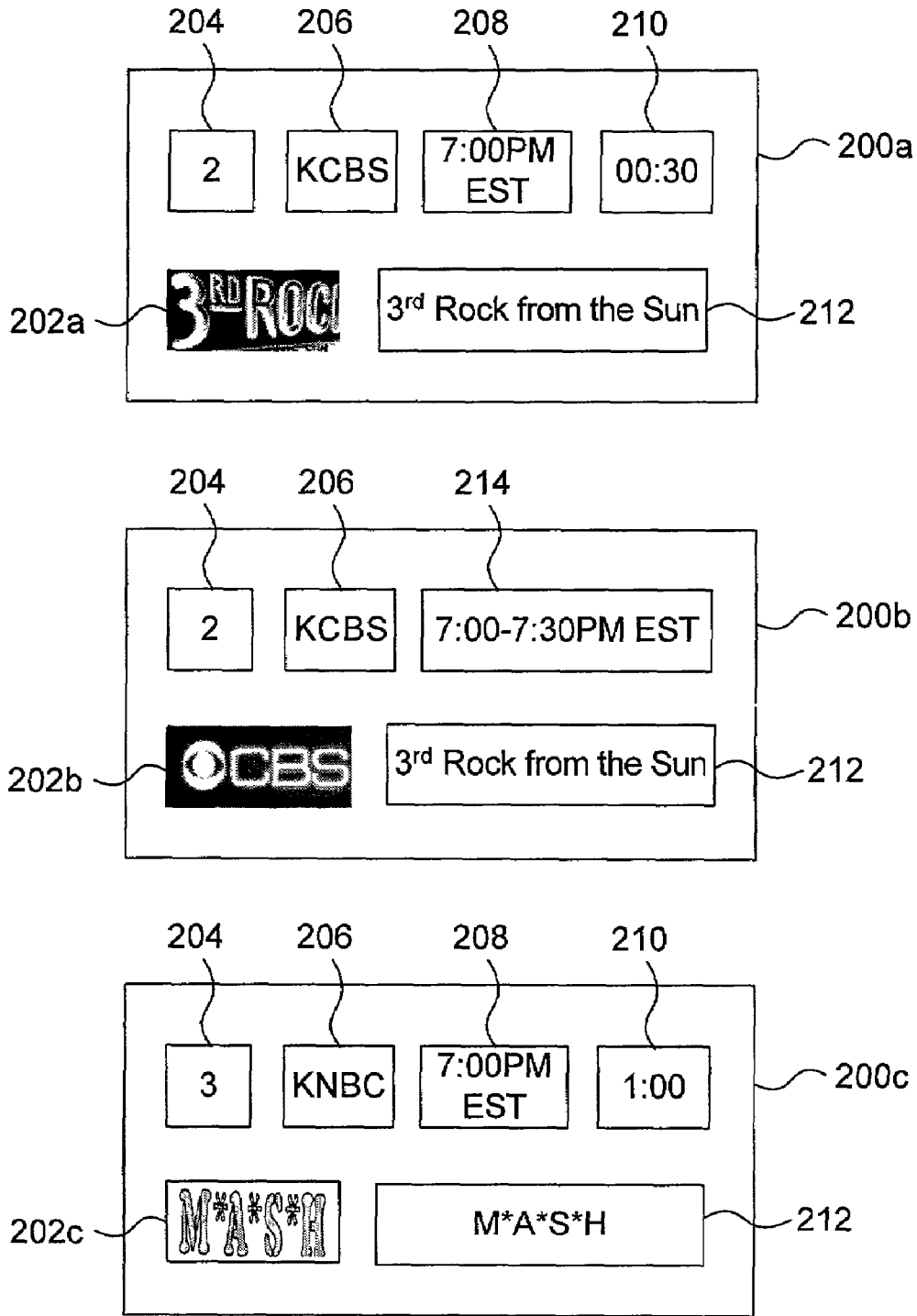


FIG. 2

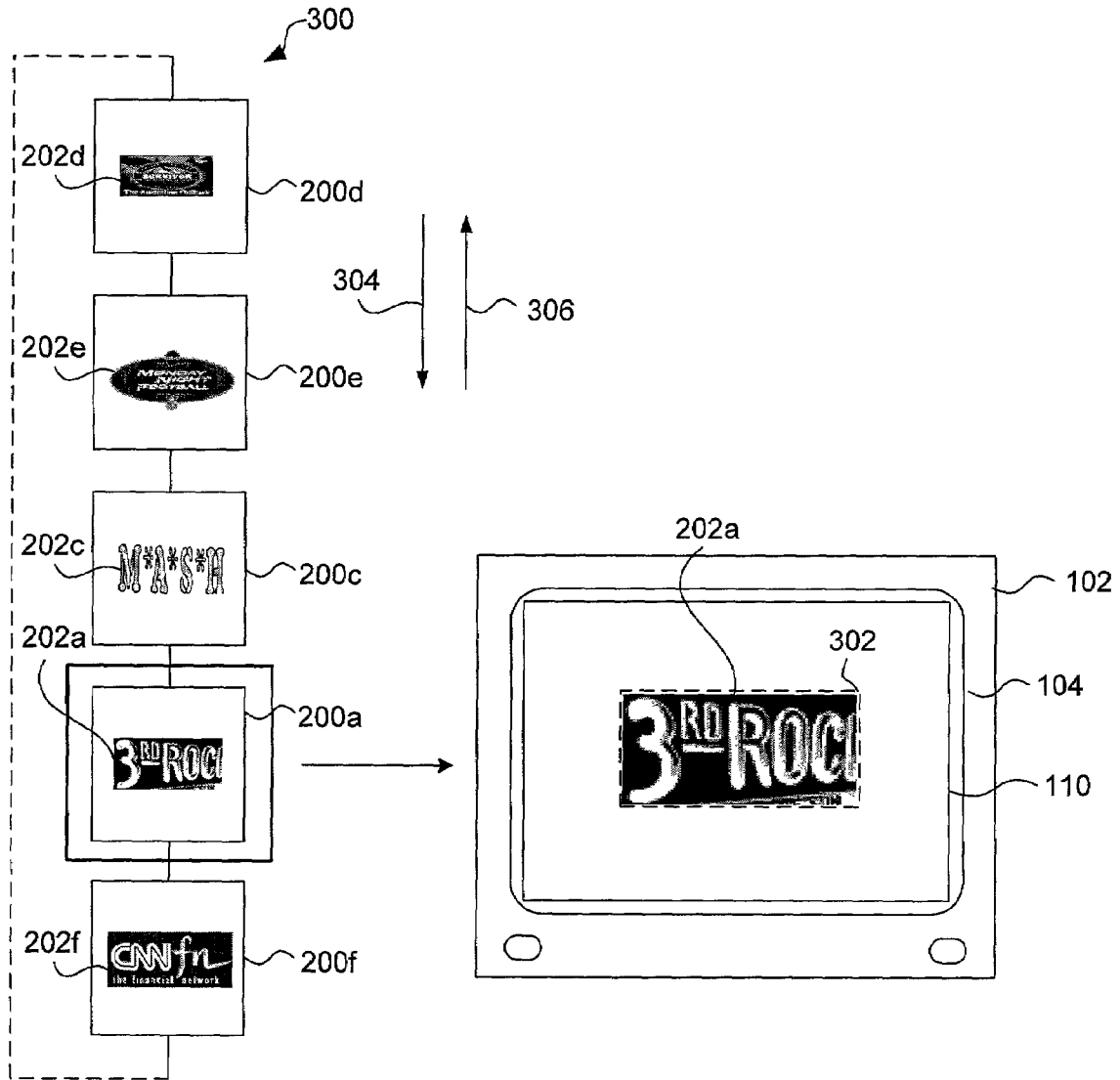


FIG. 3

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