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Payne

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(54) **SYSTEM AND METHOD FOR DATA MANAGEMENT**

6,405,218 B1 6/2002 Boothby

(Continued)

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FOREIGN PATENT DOCUMENTS

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OTHER PUBLICATIONS

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Petsas, et al., "WAP-Based personalised health care services"; Proceedings of the 23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society. 2001 Conference Proceedings. (EMBS) Istanbul, Turkey, Oct. 25-28, 2001, Annual International Conference of the IEEE Engineering in M. vo.1. 1 of 4, Conf. 23, Oct. 25, 2001 pp. 3536-3539.

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(Continued)

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(51) **Int. Cl.**
G06F 15/173 (2006.01)

(52) **U.S. Cl.** **709/206; 709/203; 709/224**

(58) **Field of Classification Search** **709/203, 709/223, 224**

See application file for complete search history.

(57) **ABSTRACT**

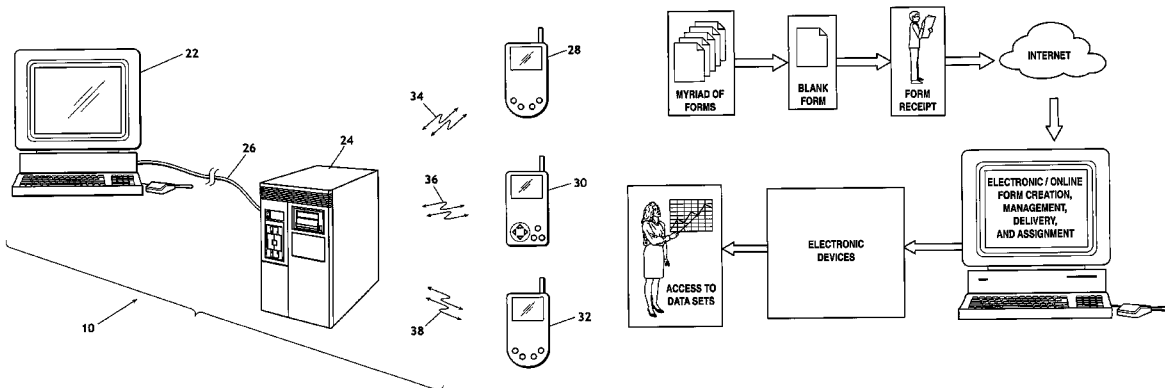
A method for the management of data collected from a remote computing device including the steps of: creating a questionnaire; transmitting the questionnaire to a remote computer; executing the questionnaire in the remote computer to prompt a user for responses to questions of the questionnaire; transmitting the responses to a sever via a network; making the responses available on the Web. Preferably, computers used in connection with the inventive method are loosely networked in that network connections between computers are not always available and, when a connection is not available, data is stored at a node of the network and transmitted at the earliest time when a connection is available. In one preferred embodiment, the inventive method is used to collect survey data and to make the responses to the survey available to a client in virtually real time over the Internet.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,666,553 A	9/1997	Crozier	
5,684,990 A	11/1997	Boothby	
5,842,195 A *	11/1998	Peters et al.	707/1
5,943,676 A	8/1999	Boothby	
6,141,664 A	10/2000	Boothby	
6,151,581 A *	11/2000	Kraftson et al.	705/3
6,163,811 A *	12/2000	Porter	709/247
6,212,529 B1	4/2001	Boothby et al.	

14 Claims, 6 Drawing Sheets



U.S. PATENT DOCUMENTS

6,421,717	B1	7/2002	Kloba et al.	709/219
6,826,540	B1 *	11/2004	Plantec et al.	705/10
7,310,350	B1 *	12/2007	Shao et al.	370/466
2001/0056374	A1 *	12/2001	Joao	705/14
2002/0007303	A1 *	1/2002	Brookler et al.	705/10
2002/0107931	A1 *	8/2002	Singh et al.	709/206
2002/0143610	A1 *	10/2002	Munyer	705/12
2002/0160773	A1 *	10/2002	Gresham et al.	455/431
2003/0093405	A1 *	5/2003	Mayer	707/1
2003/0126010	A1 *	7/2003	Barns-Slavin	705/10
2003/0198934	A1 *	10/2003	Sendowski et al.	434/350

2004/0117244	A1 *	6/2004	Scott	705/12
2004/0210472	A1 *	10/2004	Lew et al.	705/10
2005/0009465	A1 *	1/2005	Ross et al.	455/2.01

OTHER PUBLICATIONS

Giirardot, M., et al., "Efficient Representation and Streaming of XML Content Over the Internet Medium", Multimedia and Expo, 2000. ICME 2000. 2000 IEEE International Conference on New York, NY, USA, Jul. 30, 2000, pp. 67070.
Anonymous; "WAP Binary XML Content Format", Internet Document [Online], Jun. 24, 1999, pp. 1-14.

* cited by examiner

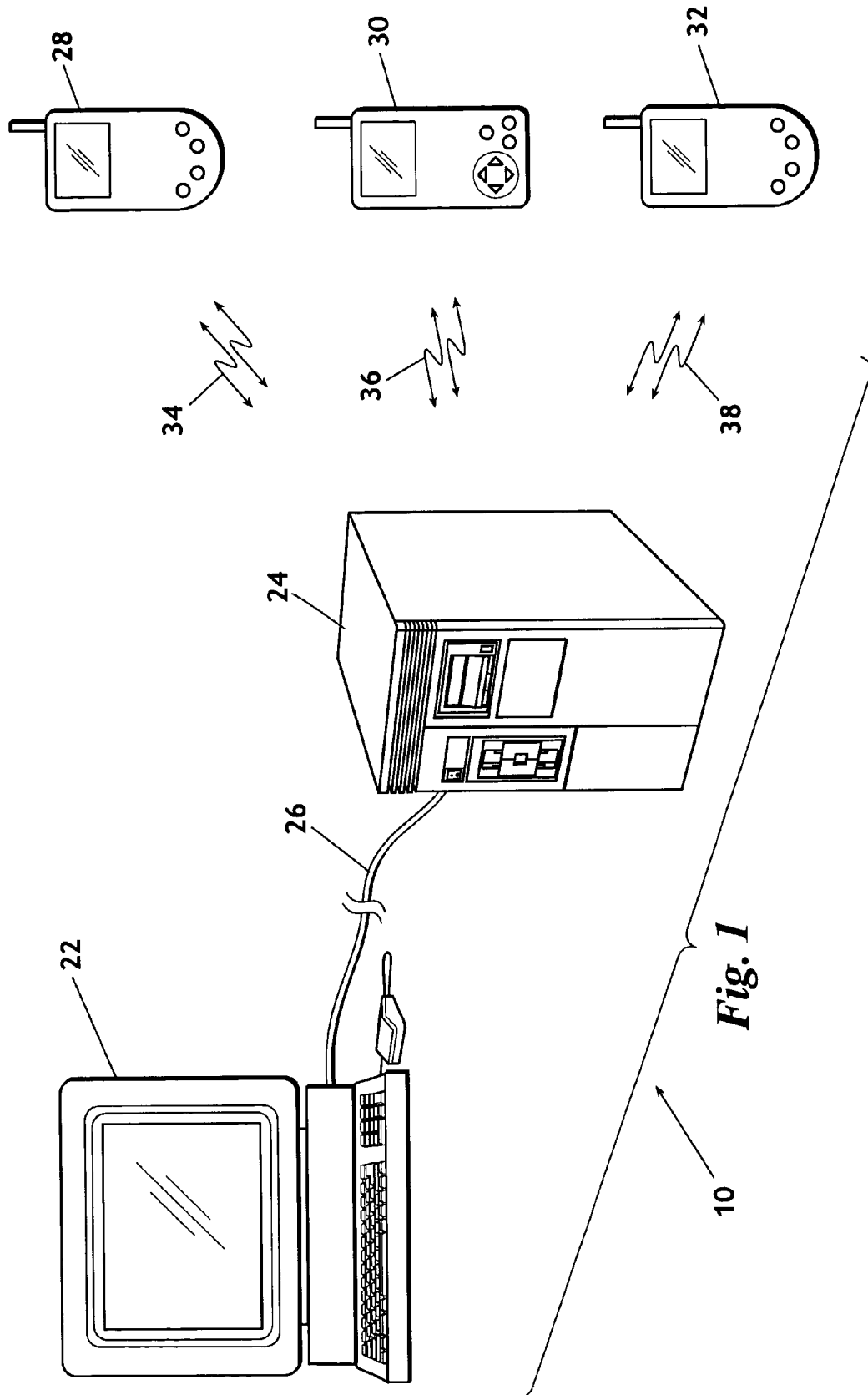
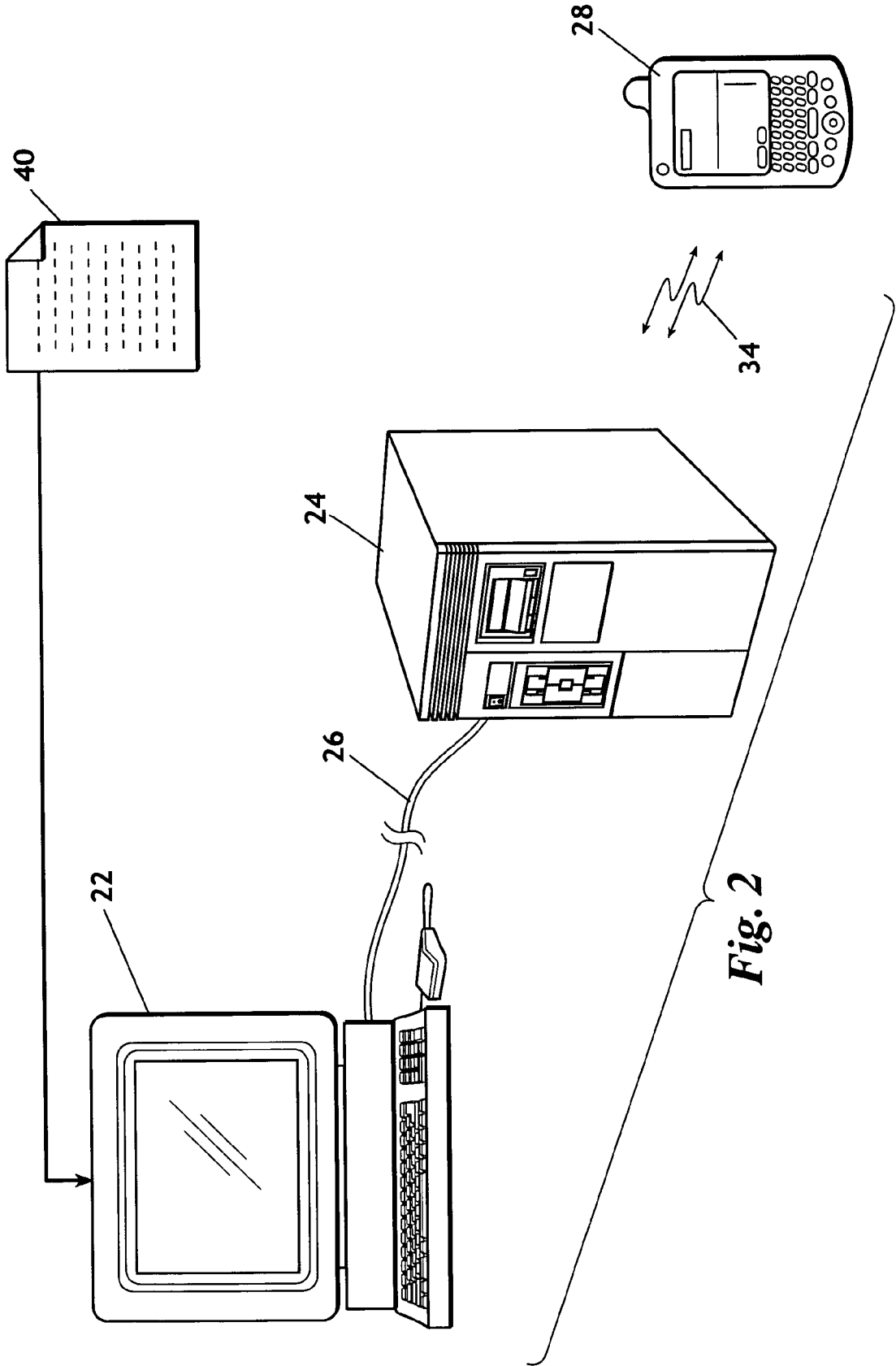
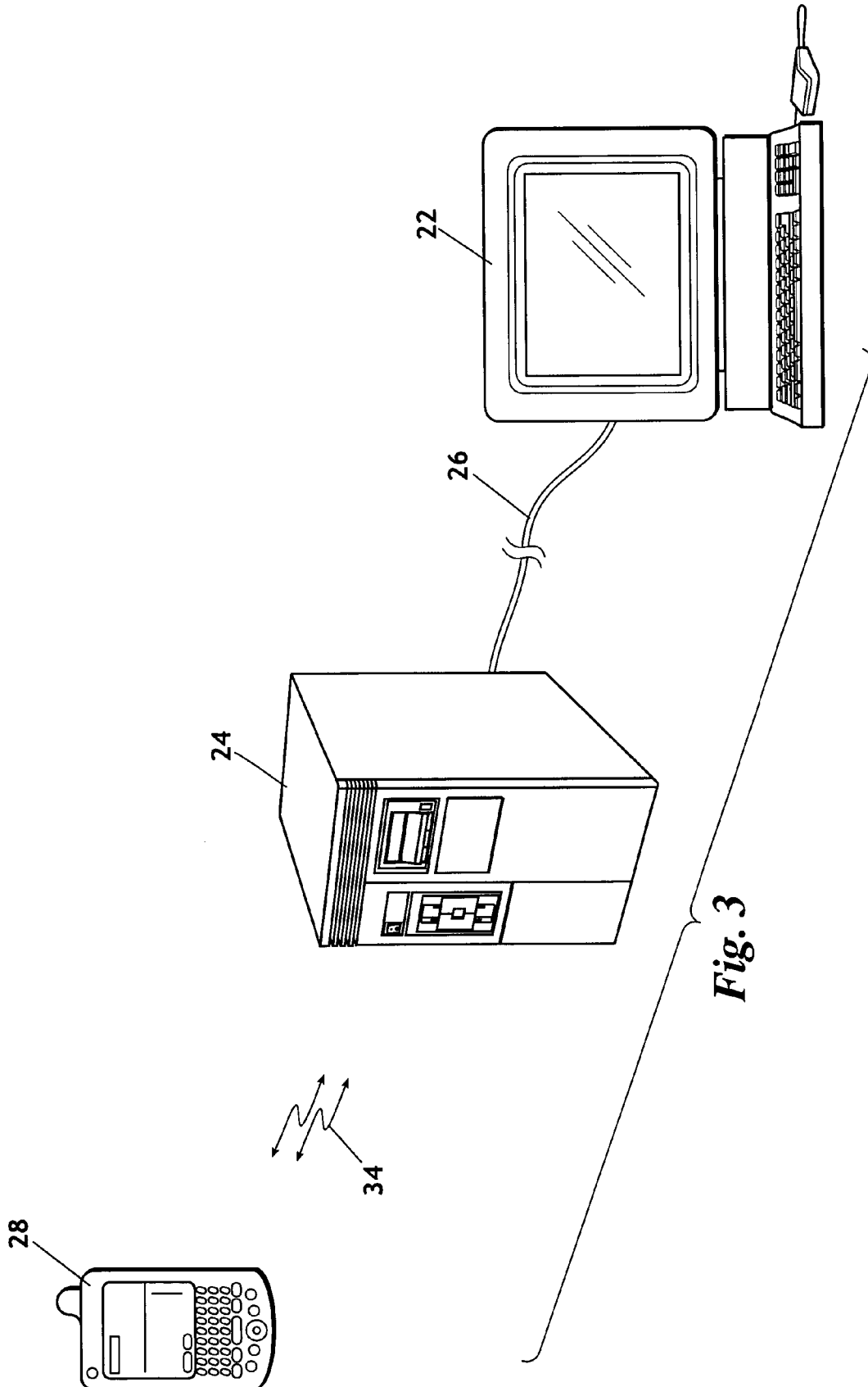


Fig. 1





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