

EXHIBIT A



(12) **United States Patent**
Filepp et al.

(10) **Patent No.:** US 7,072,849 B1
(45) **Date of Patent:** Jul. 4, 2006

(54) **METHOD FOR PRESENTING ADVERTISING IN AN INTERACTIVE SERVICE**

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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.

(21) Appl. No.: **08/158,025**

(22) Filed: **Nov. 26, 1993**

Related U.S. Application Data

(60) Division of application No. 07/388,156, filed on Jul. 28, 1989, now Pat. No. 5,347,632, which is a continuation-in-part of application No. 07/328,790, filed on Mar. 23, 1989, now abandoned, which is a continuation-in-part of application No. 07/219,931, filed on Jul. 15, 1988, now abandoned.

(51) **Int. Cl.**
G06Q 30/00 (2006.01)

(52) **U.S. Cl.** **705/14**

(58) **Field of Classification Search** 364/401; 395/600, 144, 153, 200, 250, 201, 207, 210, 395/214, 611, 613, 614, 615, 762, 779, 782, 395/133, 135, 507, 327, 339, 340, 343, 346, 395/200.09, 445, 460

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,653,001 A * 3/1972 Ninke 395/132

(Continued)

FOREIGN PATENT DOCUMENTS

JP 573167 * 1/1982
JP 3204259 * 9/1991

OTHER PUBLICATIONS

“Trintex Sets Prodigy Pricing; Telaction Reports New Cable System Affiliate”; *IDP Report*; v 9 Issue:n4 p. 2(2); Apr. 1, 1988; Dialog(file 648, 06639981).*

(Continued)

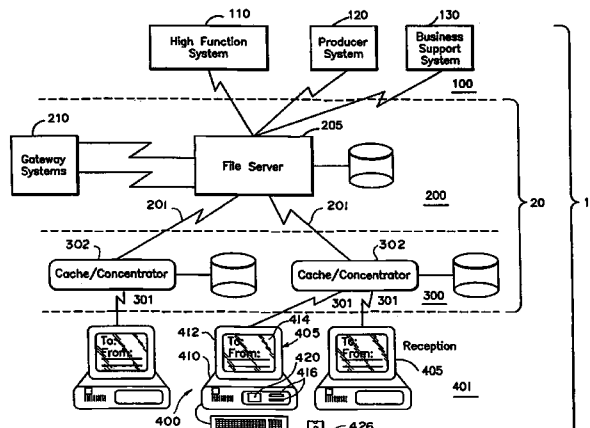
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(57) **ABSTRACT**

A method for presenting advertising in an interactive service provided on a computer network, the service featuring applications which include pre-created, interactive text/graphic sessions is described. The method features steps for presenting advertising concurrently with service applications at the user terminal configured as a reception system. In accordance with the method, the advertising is structured in a manner comparable to the service applications enabling the applications to be presented at a first portion of a display associated with the reception system and the advertising presented at a second portion. Further, steps are provided for storing and managing advertising at the user reception system so that advertising can be pre-fetched from the network and staged in anticipation of being called for presentation. This minimizes the potential for communication line interference between application and advertising traffic and makes the advertising available at the reception system so as not to delay presentation of the service applications. Yet further the method features steps for individualizing the advertising supplied to enhance potential user interest by providing advertising based on a characterization of the user as defined by the users interaction with the service, user demographics and geographical location. Yet additionally, advertising is provided with transactional facilities so that users can interact with it.

25 Claims, 16 Drawing Sheets



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U.S. PATENT DOCUMENTS

4,552,349	A *	11/1985	Loos et al.	270/54
4,575,579	A *	3/1986	Simon et al.	178/4
4,688,167	A *	8/1987	Agarwal	395/343
4,714,996	A *	12/1987	Gladney et al.	395/600
4,805,134	A *	2/1989	Calo et al.	395/610
4,823,122	A *	4/1989	Mann et al.	340/825.28
4,873,662	A *	8/1989	Sargent	
4,887,204	A *	12/1989	Johnson et al.	395/600
4,897,781	A *	1/1990	Chang et al.	395/600
4,897,782	A *	1/1990	Bennett et al.	395/600
4,989,850	A *	2/1991	Weller	270/1.1
5,036,314	A *	7/1991	Barillari et al.	340/717
5,087,805	A *	2/1992	Silverschotz et al. ..	219/121.71
5,105,184	A *	4/1992	Pirani et al.	340/721
5,119,290	A *	6/1992	Loo et al.	395/400

OTHER PUBLICATIONS

“The Handbook”; Prodigy; ©1990 Prodigy Services Company Glessbrenner, Alfred; Ceriés, New On-line fee; \$4.95 a Month; *Home Office Computing*; v8 P. 36(1); Dec., 1990 Dialog (file 647, 09685321).*

“Advertisers Need Quick Fix for Zipping, Zapping”; *Marketing News*; v20 n10; pp. 12; May 9, 1986; Dialog: File 15, Acc# 00317906.*

“Consumers Plugging into new Electronic Mall”; *Advertising Age*; Mar. 4, 1985; p. 741; Dialog: File 16, Acc# 01155574.*

“CompuServe Will Jointly Offer Advertising and Direct Marketing Services via the CompuServe Information Service, a Videotex System”; *News Release*; Oct. 19, 1983; pp. 1-3; Dialog: File 16, Acc# 00962377.*

“Compuserve, L.M. Berry to Test Viability of Online Advertising”; *Online Database Report*; v4 n10; p. 12; Oct. 1983; Dialog: File 275, Acc# 00610155.*

Miller; “Database and Videotex Services—Where is Videotex Going?”; *Data Communications Buyers’ Guide 1983*; pp. 152-157; Nov. 1982; Dialog: File 15, Acc# 00188062.* *Dictionary of Computers, Information Processing & Telecommunications, 2nd ed.*; Jerry M. Rosenberg; 1984; pp.

183, 184, 268, 269, 303, 395, 402, 455, 530, 531, 594, 639, 640, 690, 691.*

Dictionary of Computers, Information Processing & Telecommunications, 2nd ed.; Jerry M Rosenberg; 1984; p. 700.*

Miller; “Database and Videotex Services—Where Is Videotex Going?”; *Data Communications Buyers’ Guide 1983*; pp. 152, 157; Nov. 1982.*

Dietrich et al.; “Toward a Graphic Standard”; *PC World*; v2 n12; p. 264-269; Nov. 1984.*

“MCTel Inc. Advertises in the Electronic Mall Shop-at-Home Service, an Advertising Vehicle of CompuServe Inc. And L. M. Berry & Co.”; *PR Newswire, PH303*; Jan. 23, 1985; Dialog: File 148, Acc# 02341095.*

“Consumers Plugging Into New Electronic Mall”; *Advertising Age*; Mar. 4, 1985; p. 741.*

“Home-Computer Shopping Arrives”; *Discount Store News*; v24; p. 3(2); Mar. 18, 1985; Dialog: File 148, Acc# 02324097.*

“Advertisers Need Quick Fix for Zipping, Zapping”; *Marketing News*; v20 n10; pp. 12; May 9, 1986.*

Caplinger, Michael, “An Information System Based on Distributed Objections”, OOPSLA ’87 Proceedings.

Schatz, Bruce, “Telesophy: A System for Manipulating the Knowledge of a Community”, 1987 IEEE.

Christodoulakis, S., “The Multimedia Object Presentation Manager of MINOS: A Symmetric Approach”, ACM SIGMOD Conf. 1986.

Christodoulakis, S., “Issues in the Architecture of a Document Archiver Using Optical Disk Technology”, 1985 ACM.

Christodoulakis, S., “Multimedia Document Presentation, Information Extraction, and Document Formation in MINOS: A Model and A System” 1986 ACM.

Sigel, Efrem, “The Future of Videotext”, 1983, Knowledge Industry Publications, Inc., White Plains NY and London.

Alber, Antone F., *Videotex/Teletext Principles & Practices*, McGraw-Hill, Inc., 1985.

* cited by examiner

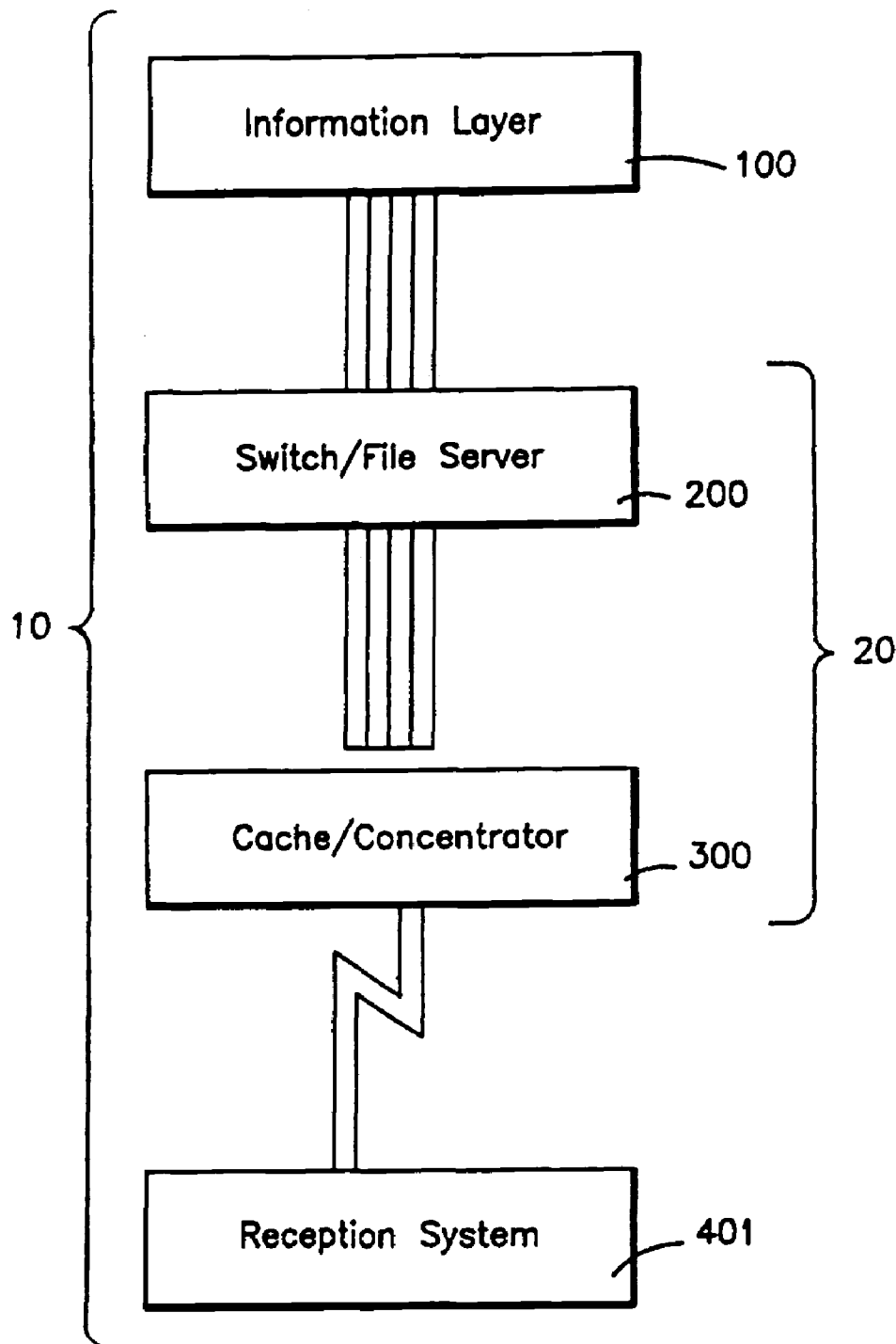
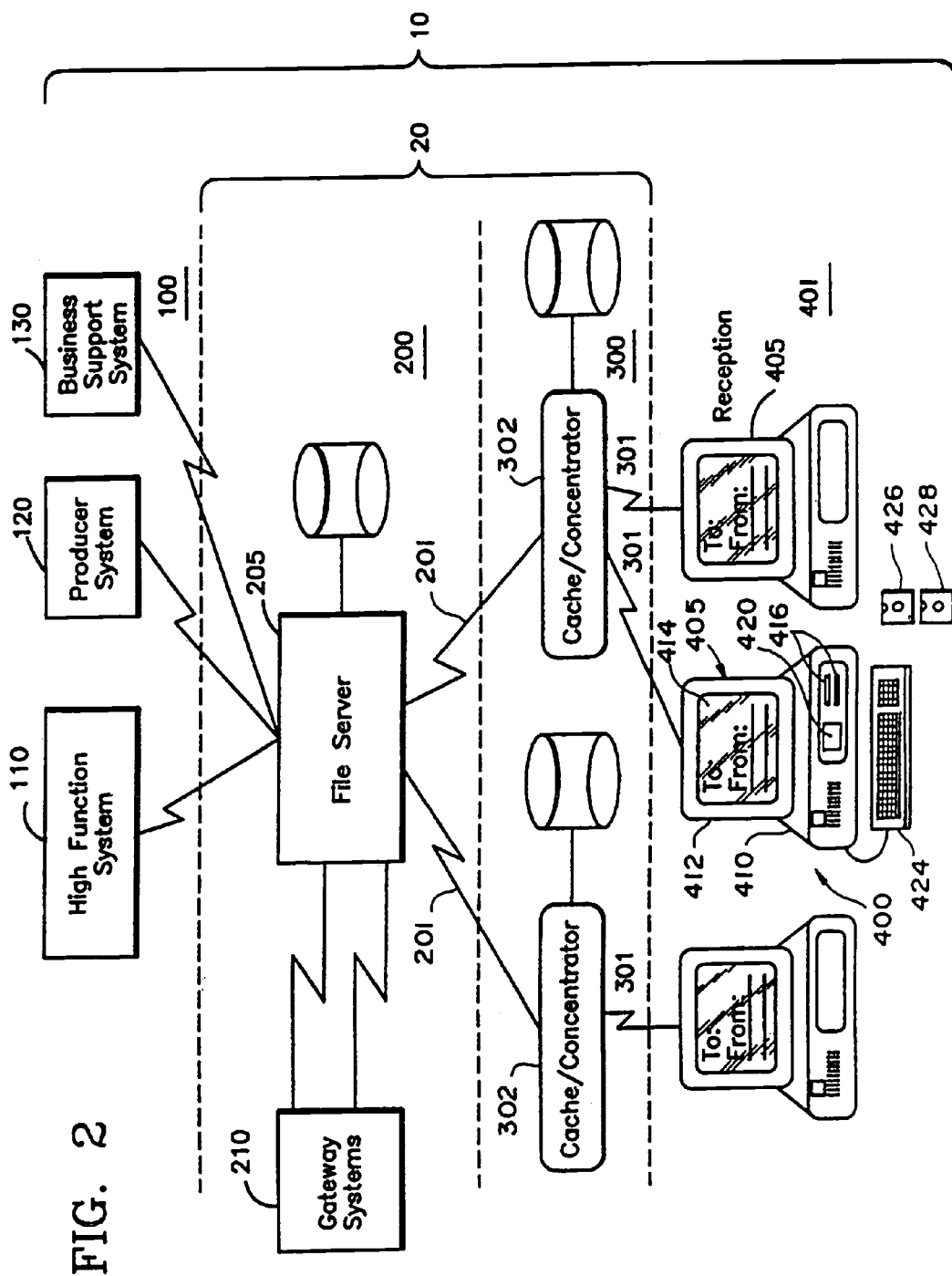


FIG. 1



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