

(12) **United States Patent**
O'Neal et al.

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(54) **COMPUTER-IMPLEMENTED CALL FORWARDING OPTIONS AND METHODS THEREFOR IN A UNIFIED MESSAGING 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.

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(51) **Int. Cl.**⁷ **H04M 3/42**; H04M 7/00

(52) **U.S. Cl.** **379/211.02**; 379/201.12; 379/221.01

(58) **Field of Search** 379/201, 210, 379/211, 212, 219, 220, 221; 709/229; 455/461

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,837,798	A	6/1989	Cohen et al.	379/88
4,850,008	A *	7/1989	Berg et al.	358/400
5,467,390	A *	11/1995	Brankley et al.	379/229
5,608,786	A *	3/1997	Gordon	370/352
5,610,910	A *	3/1997	Focsaneanu et al.	370/351
5,729,599	A *	3/1998	Plomondon et al.	379/211
5,742,905	A *	4/1998	Pepe et al.	379/210
5,828,666	A *	10/1998	Focsaneanu et al.	370/389
5,870,549	A	2/1999	Bobo, II	395/200.36
5,892,819	A	4/1999	Stumer	379/211
5,915,008	A *	6/1999	Dulman	379/201
5,958,016	A *	9/1999	Chang et al.	709/229
6,014,379	A	1/2000	White et al.	370/389
6,185,288	B1 *	2/2001	Wong	379/219

OTHER PUBLICATIONS

Jfax.com —Fax, voice mail, email, downloaded from www.jfax.com on Dec. 18, 1998.

General Magic/Portico —what it is, overview, features, MagicTalk Technology, network operations, FAQs, downloaded from www.genmagic.com on Dec. 18, 1998.

Michele Shannon, "The Best Telephone System for Your Business May Not Look Like a 'Phone System' At All", Undated Advertisement, Technology Watch, AltiGen Communications, Inc.

International Search Report dated May 09, 2000.

* cited by examiner

Primary Examiner—Ahmad F. Matar

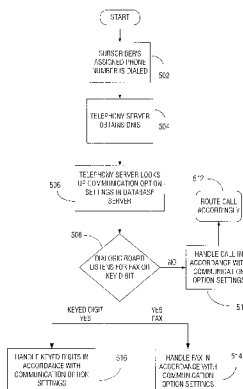
Assistant Examiner—Hector Agdeppa

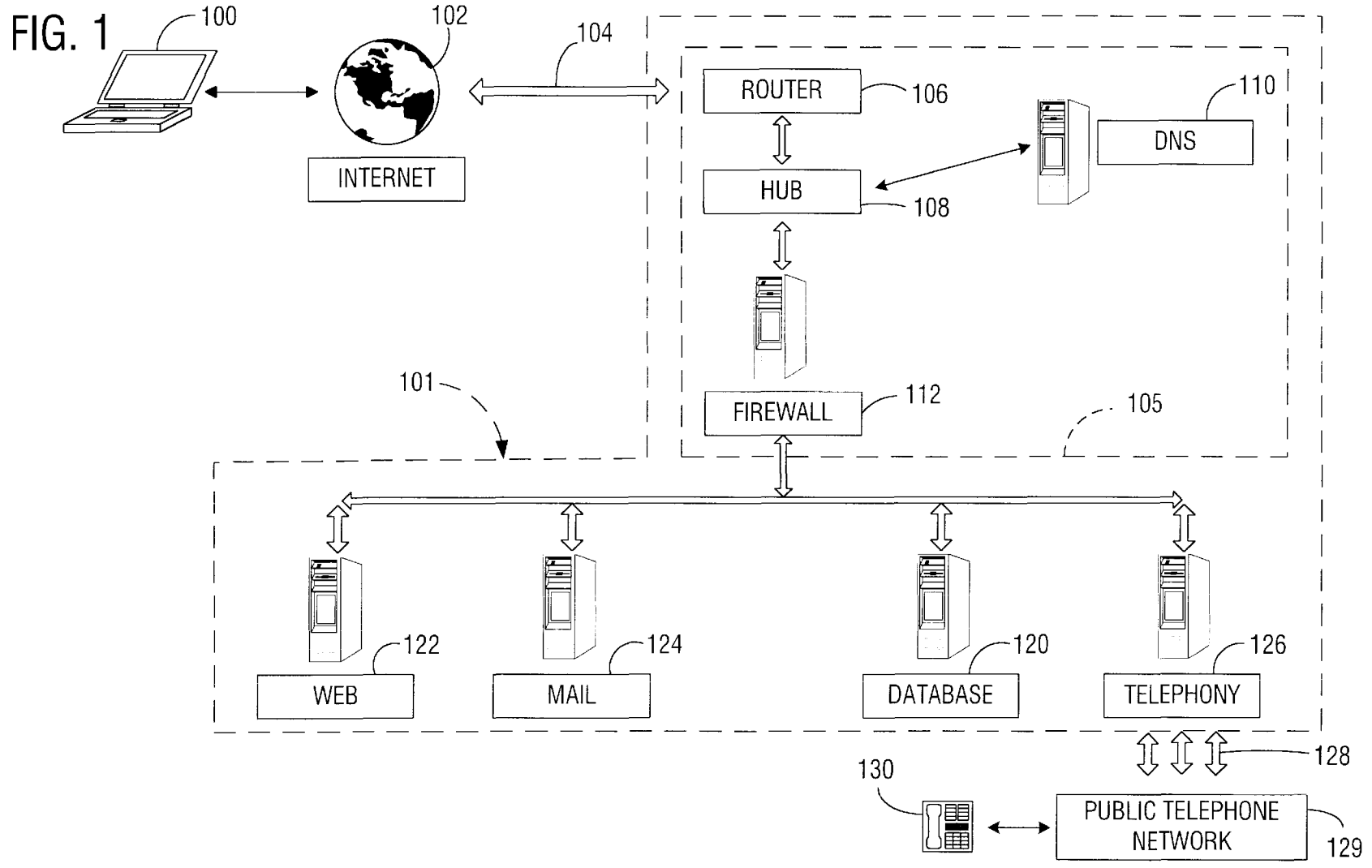
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(57) **ABSTRACT**

A computer-implemented method for permitting a subscriber of a call forwarding service to customize call forwarding parameters associated with the call forwarding service. The call forwarding service being configured to permit the subscriber to specify whether a call received at a telephone number associated with a given account of the call forwarding service be forwarded to a forwarding telephone number. The call forwarding parameters includes a call forwarding enable option and the forwarding telephone number. The method includes providing a subscriber communication profile database. The subscriber communication profile database has therein the account pertaining to the subscriber. The account includes the call forwarding parameters for the subscriber. The method further includes visually displaying the call forwarding parameters on a display terminal coupled to a data-centric network, using a computer server coupled to exchange data with the subscriber communication profile database, when the subscriber employs the display terminal to access the account. There is also included receiving from the subscriber via the display terminal a first change to the call forwarding parameters. The first change to the call forwarding parameters pertains to at least one of the call forwarding enable option and the forwarding telephone number. Further, there is included updating the first change to the account in the subscriber communication profile database, wherein subsequent calls to the given account are handled in accordance with parameters present in the subscriber communication profile database after the update.

35 Claims, 7 Drawing Sheets





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FIG. 2

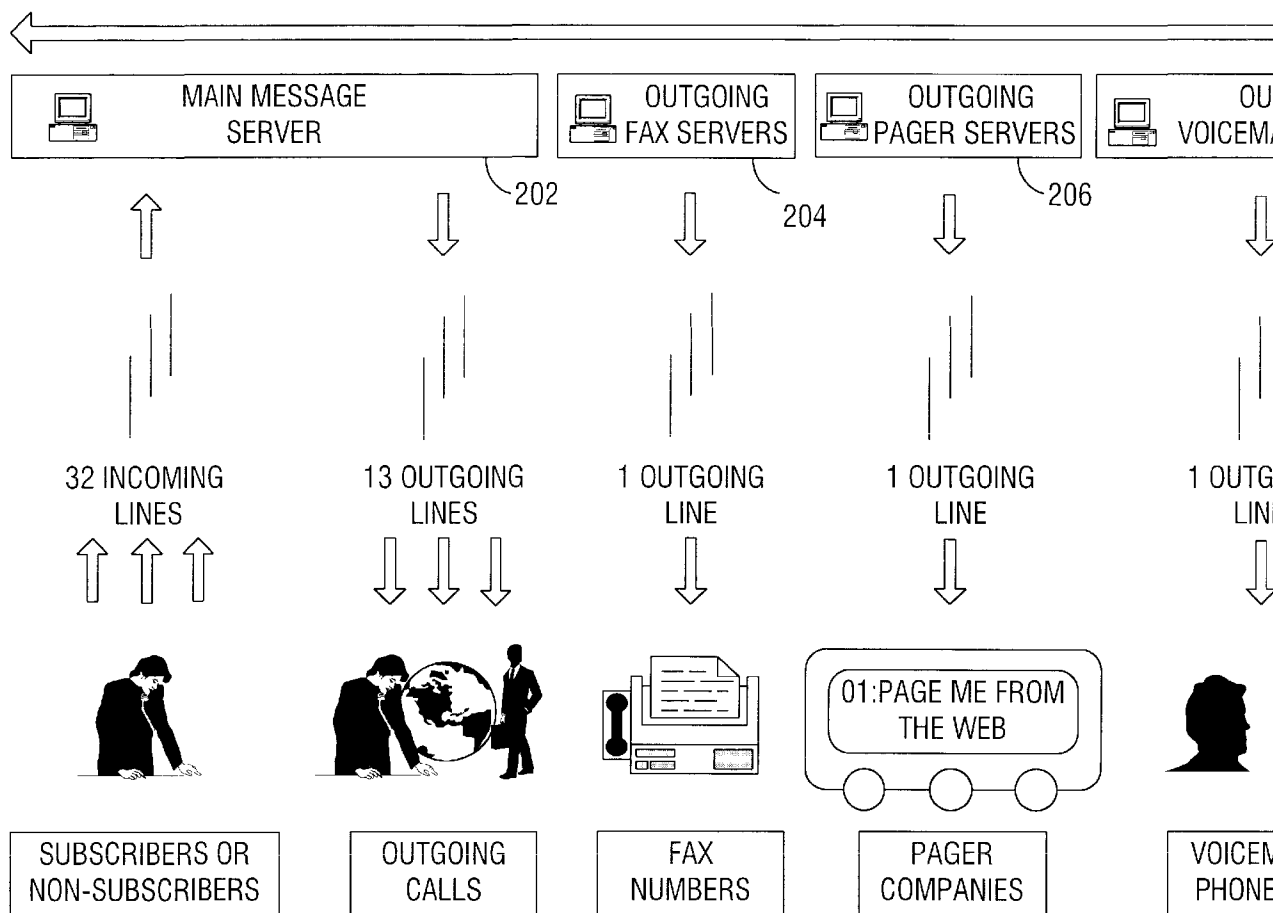


FIG. 3

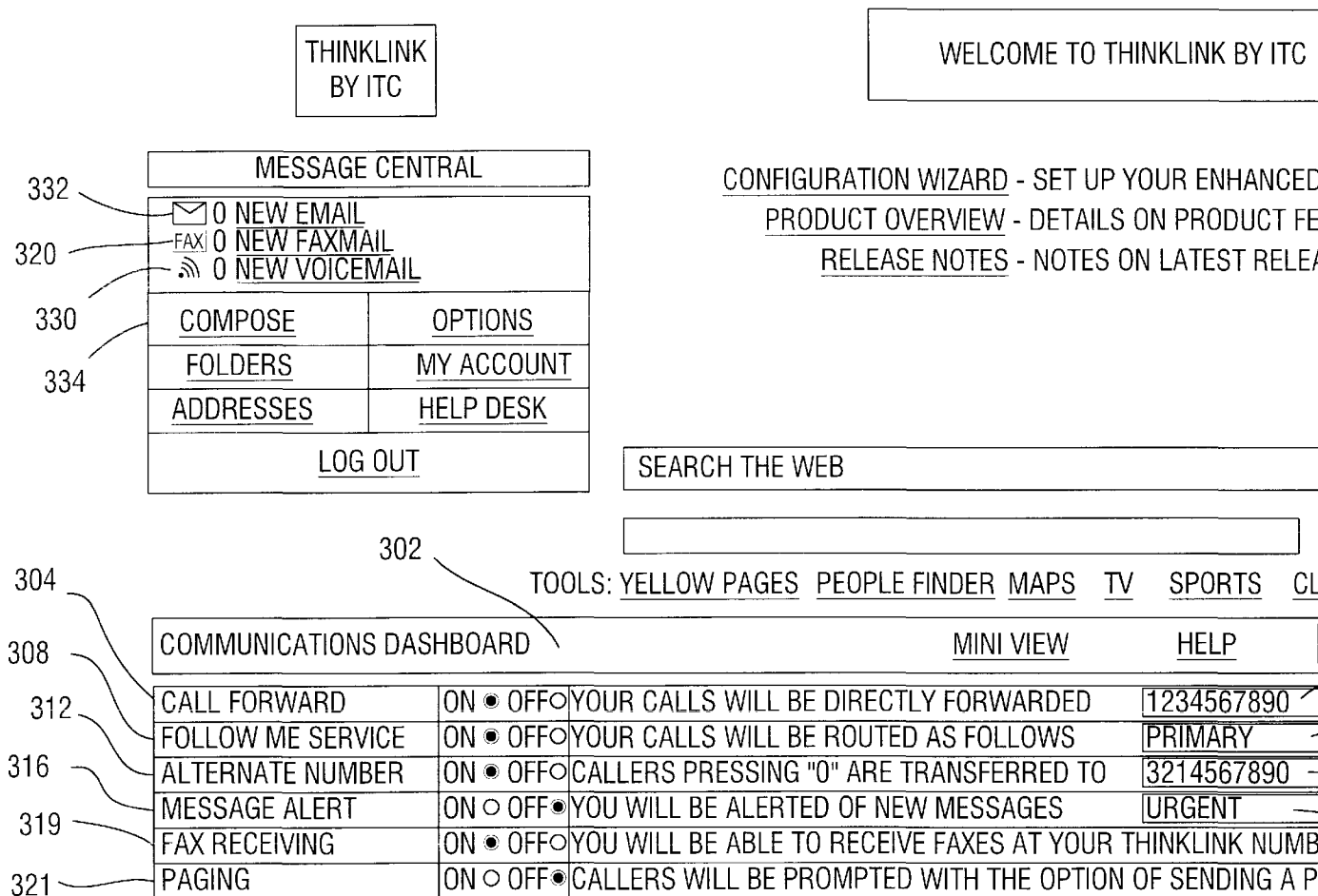


FIG. 4

304 308 306 406 319

HOME
COMPOSE
FOLDERS
ADDRESSES
OPTIONS
MY ACCOUNTS
HELP DESK
LOG OUT

OPTIONS
ADVANCED COMMUNICATION SETTINGS

CALL FORWARD SECONDARY ON ● OFF ○
FORWARD CALL TO (123)456-7890 (H) (CELL)
(W) (1) (2)

FOLLOW ME ON ● OFF ○
FOLLOW ME CALL ROUTING PRIMARY ▾

PRIMARY	SECONDARY
1. (123)456-7890	1. (123)456-7890
2. (123)789-4560	2. (123)456-7890
3. (321)456-7890	3. (321)456-7890

310 402 312 321 314 404A 404B

OVERVERRIDE

ALTERNATE NUMBER ON ● OFF ○
"0" FORWARDS TO (321)456-7890 (H) (CELL)
(W) (1) (2)

PAGING ON ○ OFF ●
NUMBER PIN
(NOTE: YOU MUST ENTER PIN IF REQUIRED BY YOUR PAGER SERVICE)

[PERSONAL NUMBERS] (NOTE: WHEN BOTH CALL FORWARD AND FOLLOW ME ARE TURNED ON T
FORWARDED FIRST. IF THERE IS NO ANSWER AT THE FORWARD NUMBER
GIVEN THE OPTION TO USE THE FOLLOW ME FEATURE.)

FAX RECEIVING
FORWARD FAXES TO

FAX SENDING
SEND ATT
INTERVAL
ATTEMPTS

MESSAGE ALERT
YOU WILL BE PAGED FOR:
URGENT MESSAGES ▾
INCLUDES:
-NEW VOICEMAIL
-NEW FAXES
-NEW EMAIL
(IN THE FOLDERS SELECTE

SAVE A

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