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(54) **ACTIVE USER REGISTRY**

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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 976 days.

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(22) Filed: **Mar. 21, 2008**

Related U.S. Application Data

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(51) **Int. Cl.**
H04L 12/66 (2006.01)

(52) **U.S. Cl.** **370/352**; 370/392; 370/475

(58) **Field of Classification Search** 370/352, 370/353, 356, 475; 379/88.13, 88.14, 88.17; 709/206; 358/1.15, 402
See application file for complete search history.

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Primary Examiner — Jung Park

(57) **ABSTRACT**

An Active User Registry system includes a database which is integrated with the POTS network and a packet network to exploit the outstanding strengths of both of its constituents. The Active User Registry database is a dynamic data structure of all the ways in which one or more users can be reached via some type of communication network. A key feature of the Active User Registry is the ability to broker between a subscriber's request for communications contact information corresponding to a user and the user's preferences of being reached by various communications alternatives.
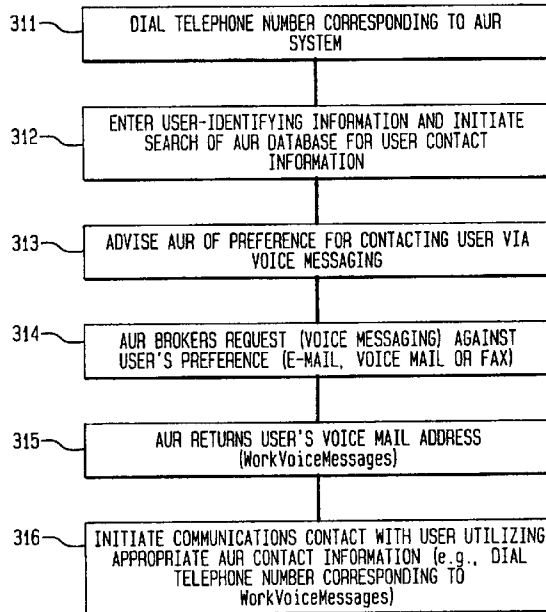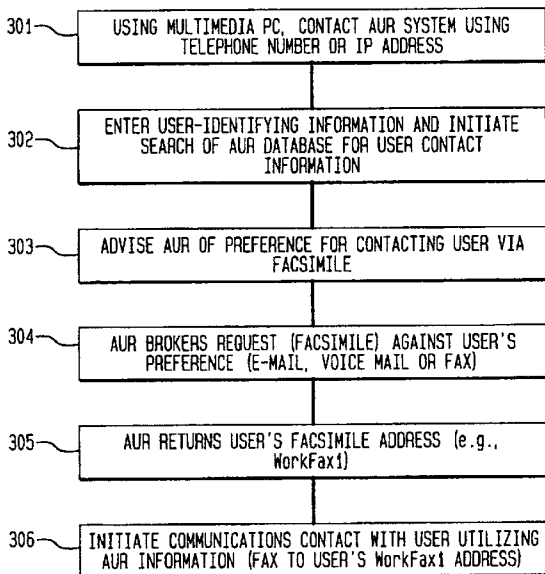
29 Claims, 7 Drawing Sheets

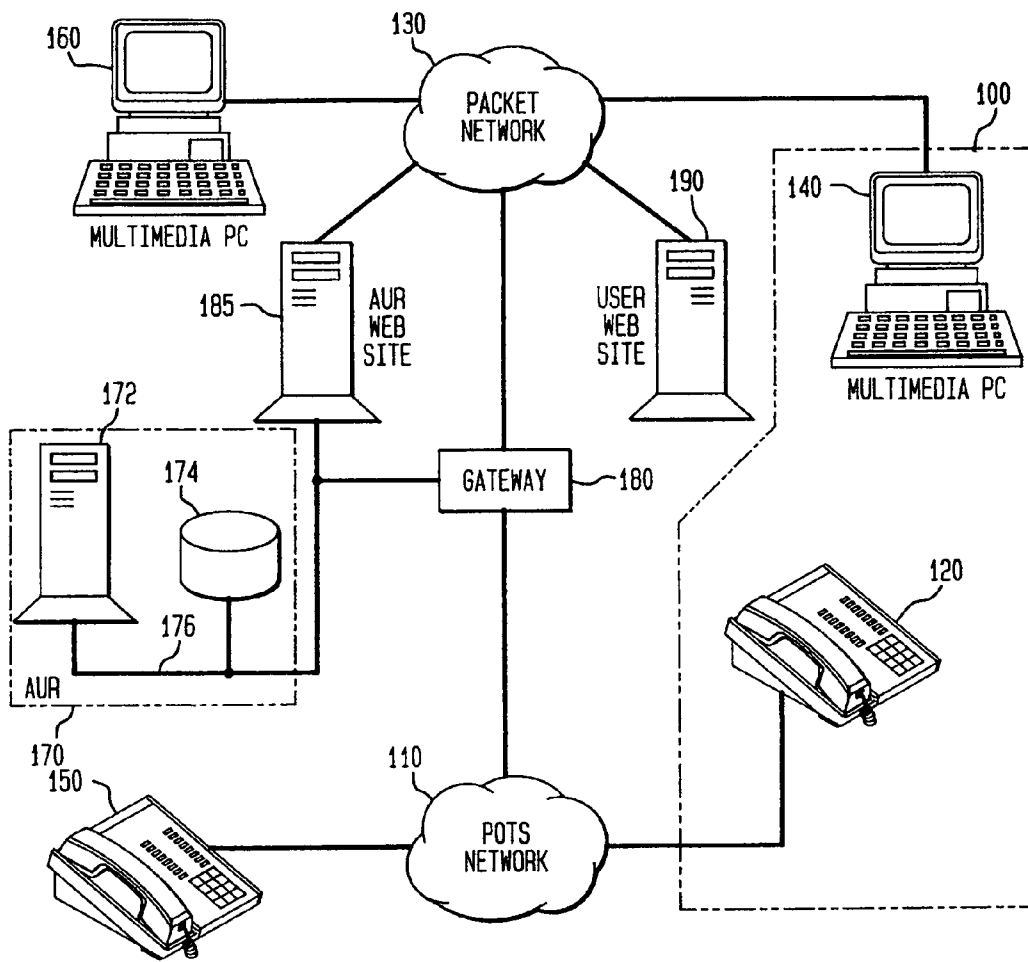*FIG. 1*

FIG. 2

	210	220	230	240	250	260	270	280	290
USER 1 (201)	Username UserAlias1 UserAlias2 . . .	HomePhone1 HomePhone2 WorkPhone WorkSecretary CellularPhone1 VideoPhone . . .	WorkVoiceMessages Home AnsweringMachine VideoMailMessages BeeperNumber1 . . .	Email1 Email2 . . .	WorkFAX1 WorkFAX2 HomeFAX . . .	LAN IP ModemIP . . .	URL1 URL2 . . .	Multimedia1 Multimedia2 . . .	Reach Number . . .
USER 2 (202)	Username UserAlias1 UserAlias2 . . .	HomePhone1 HomePhone2 WorkPhone WorkSecretary CellularPhone1 VideoPhone . . .	WorkVoiceMessages Home AnsweringMachine VideoMailMessages BeeperNumber1 . . .	Email1 Email2 . . .	WorkFAX1 WorkFAX2 HomeFAX . . .	LAN IP ModemIP . . .	URL1 URL2 . . .	Multimedia1 Multimedia2 . . .	Reach Number . . .
USER 3 (203)	Username UserAlias1 UserAlias2 . . .	HomePhone1 HomePhone2 WorkPhone WorkSecretary CellularPhone1 VideoPhone . . .	WorkVoiceMessages Home AnsweringMachine VideoMailMessages BeeperNumber1 . . .	Email1 Email2 . . .	WorkFAX1 WorkFAX2 HomeFAX . . .	LAN IP ModemIP . . .	URL1 URL2 . . .	Multimedia1 Multimedia2 . . .	Reach Number . . .
. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
USER N	Username UserAlias1 UserAlias2 . . .	HomePhone1 HomePhone2 WorkPhone WorkSecretary CellularPhone1 VideoPhone . . .	WorkVoiceMessages Home AnsweringMachine VideoMailMessages BeeperNumber1 . . .	Email1 Email2 . . .	WorkFAX1 WorkFAX2 HomeFAX . . .	LAN IP ModemIP . . .	URL1 URL2 . . .	Multimedia1 Multimedia2 . . .	Reach Number . . .

FIG. 3A

301 — USING MULTIMEDIA PC, CONTACT AUR SYSTEM USING TELEPHONE NUMBER OR IP ADDRESS

302 — ENTER USER-IDENTIFYING INFORMATION AND INITIATE SEARCH OF AUR DATABASE FOR USER CONTACT INFORMATION

303 — ADVISE AUR OF PREFERENCE FOR CONTACTING USER VIA FACSIMILE

304 — AUR BROKERS REQUEST (FACSIMILE) AGAINST USER'S PREFERENCE (E-MAIL, VOICE MAIL OR FAX)

305 — AUR RETURNS USER'S FACSIMILE ADDRESS (e.g., WorkFax1)

306 — INITIATE COMMUNICATIONS CONTACT WITH USER UTILIZING AUR INFORMATION (FAX TO USER'S WorkFax1 ADDRESS)

FIG. 3B

311 — DIAL TELEPHONE NUMBER CORRESPONDING TO AUR SYSTEM

312 — ENTER USER-IDENTIFYING INFORMATION AND INITIATE SEARCH OF AUR DATABASE FOR USER CONTACT INFORMATION

313 — ADVISE AUR OF PREFERENCE FOR CONTACTING USER VIA VOICE MESSAGING

314 — AUR BROKERS REQUEST (VOICE MESSAGING) AGAINST USER'S PREFERENCE (E-MAIL, VOICE MAIL OR FAX)

315 — AUR RETURNS USER'S VOICE MAIL ADDRESS (WorkVoiceMessages)

316 — INITIATE COMMUNICATIONS CONTACT WITH USER UTILIZING APPROPRIATE AUR CONTACT INFORMATION (e.g., DIAL TELEPHONE NUMBER CORRESPONDING TO WorkVoiceMessages)

DOCKET ALARM
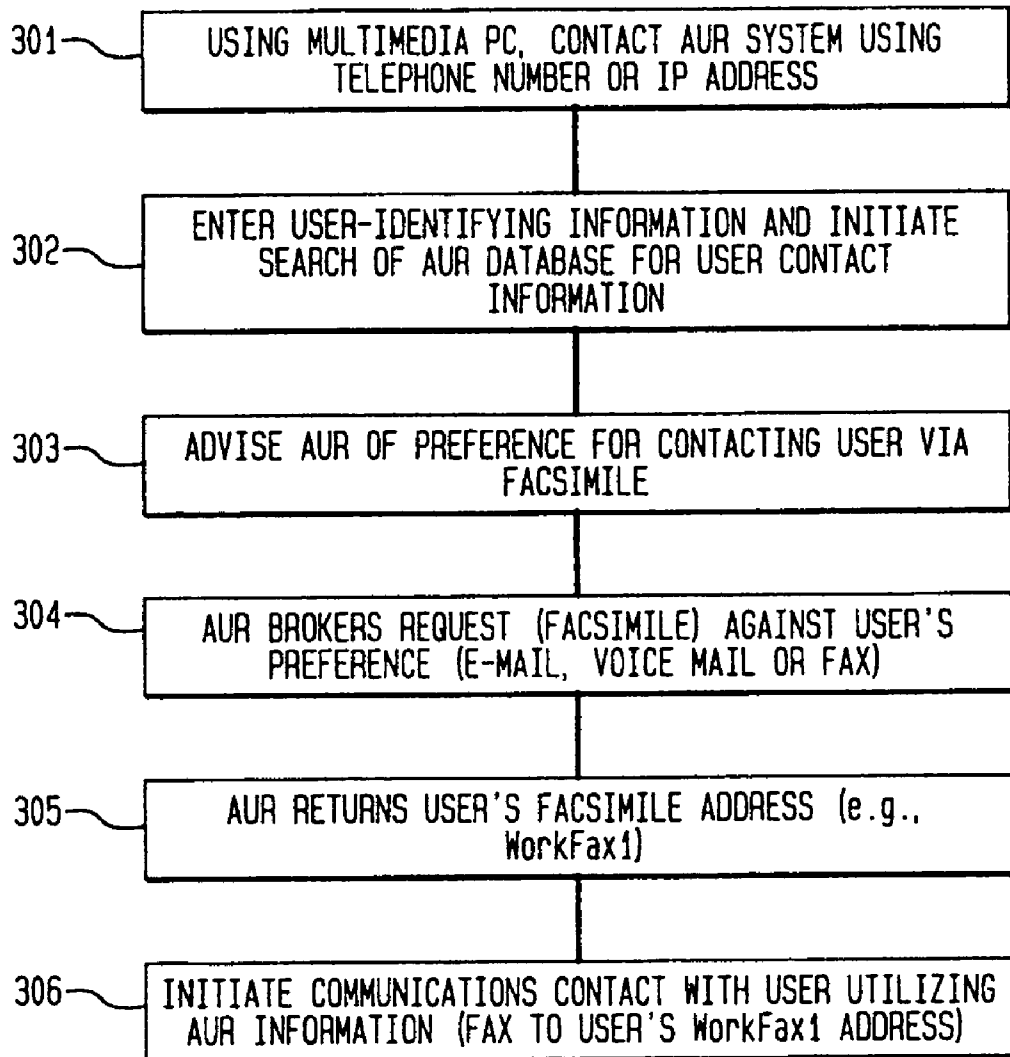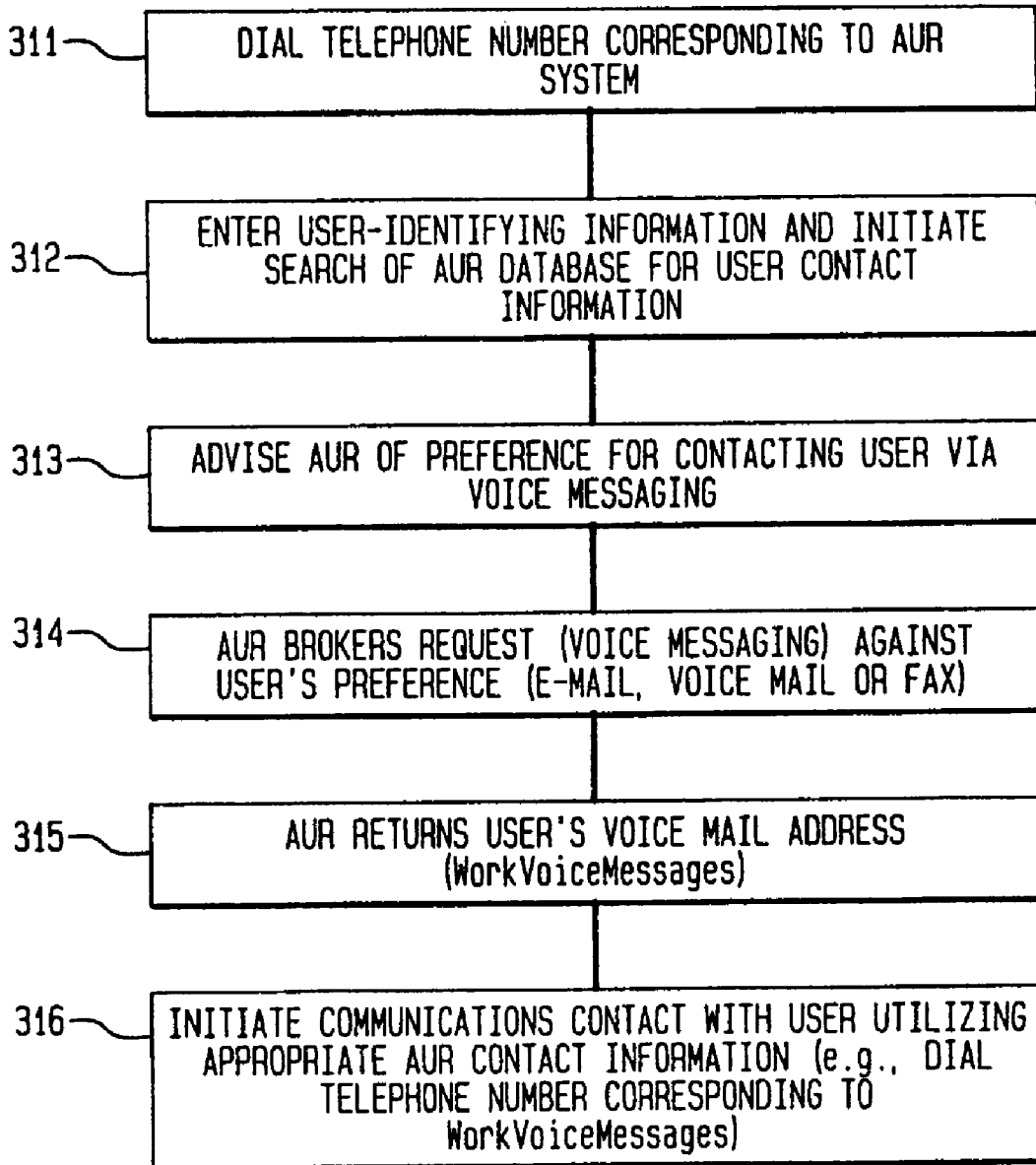
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