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Bogard

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(54) **INSTANT MESSAGING VIA TELEPHONE INTERFACES**

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(51) **Int. Cl.**⁷ **H04M 1/64**

(52) **U.S. Cl.** **379/88.17; 704/270.1; 709/206**

(58) **Field of Search** 379/88.13, 88.01, 379/88.04, 88.14, 88.16, 88.22, 67.1, 265.01; 704/270.1; 709/206

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | | | |
|-----------|----|---|---------|-------------------|-------|------------|
| 5,721,763 | A | * | 2/1998 | Joseph et al. | ..... | 379/88.04 |
| 5,799,063 | A | | 8/1998 | Krane | | |
| 6,301,609 | B1 | * | 10/2001 | Aravamudan et al. | ..... | 709/206 |
| 6,324,569 | B1 | * | 11/2001 | Ogilvie et al. | ..... | 709/206 |
| 6,377,944 | B1 | * | 4/2002 | Busey et al. | ..... | 379/265.01 |
| 6,405,035 | B1 | * | 6/2002 | Singh | ..... | 455/414 |
| 6,424,647 | B1 | * | 7/2002 | Ng et al. | ..... | 370/352 |

| | | | | | | |
|-----------|----|---|---------|-------------|-------|-----------|
| 6,424,945 | B1 | * | 7/2002 | Sorsa | ..... | 704/270.1 |
| 6,430,602 | B1 | * | 8/2002 | Kay et al. | ..... | 709/206 |
| 6,430,604 | B1 | * | 8/2002 | Ogle et al. | ..... | 709/207 |
| 6,463,142 | B1 | * | 10/2002 | Kilp | ..... | 379/88.11 |

OTHER PUBLICATIONS

Diament et al. Method an apparatus for telephony-enabled instant messaging Jun. 13, 2002.*

Diament et al., Method and Apparatus for Telephony-enabled Instant Messaging Jun. 13, 2002.*

Myers, Telephone Based Access to Intant Messaging, May 17, 2001.*

* cited by examiner

Primary Examiner—Fan Tsang

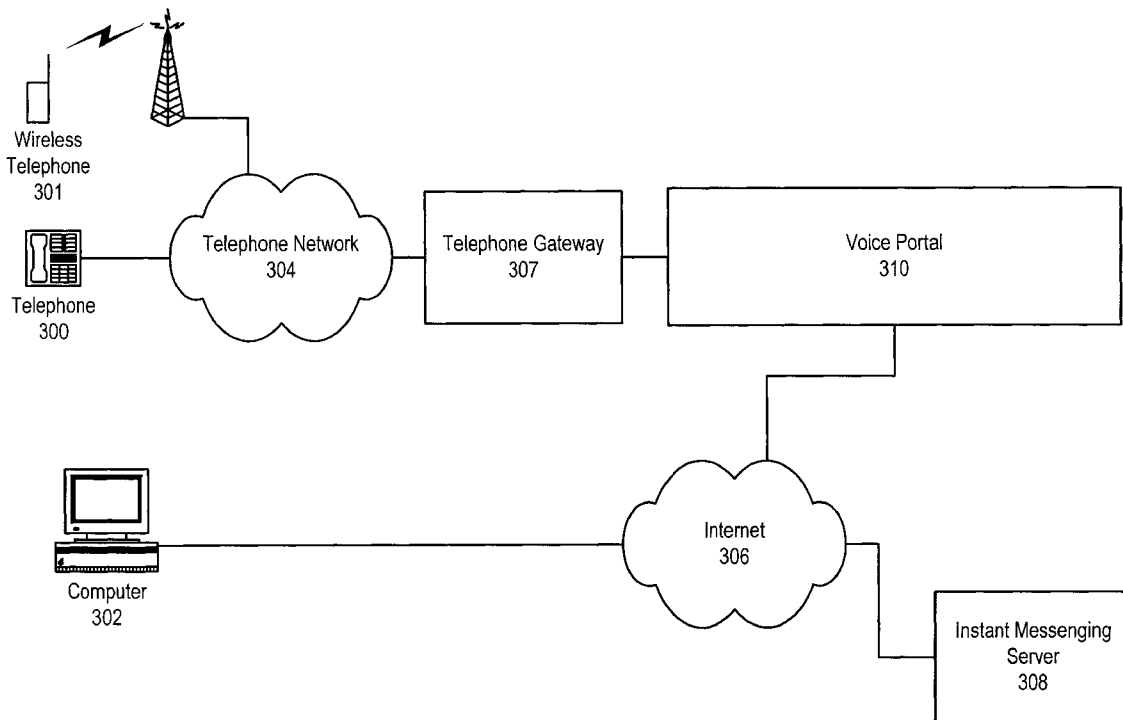
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(57) **ABSTRACT**

A method and apparatus for enabling users of a phone based speech activated system such as a voice portal to communicate with users of an Internet based instant messenger (IM) service is described. Phone based users are able to send and receive IMs. Incoming messages can cause an asynchronous notification in the user's current voice application and the user can (if they desire) switch contexts to hear the IM and respond. Sent messages may be expeditiously sent to users of the GUI as a hypertext link to a recorded audio. Other sending formats are also possible; similarly, buddy lists can be supported.

7 Claims, 5 Drawing Sheets



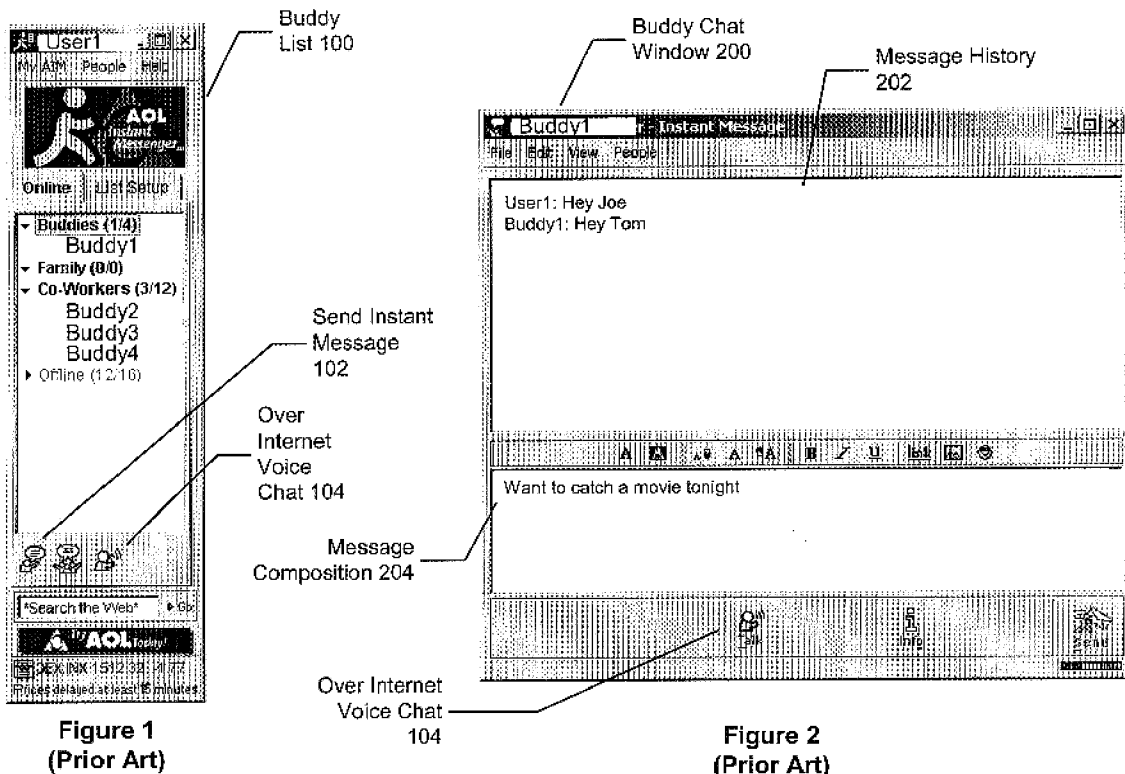
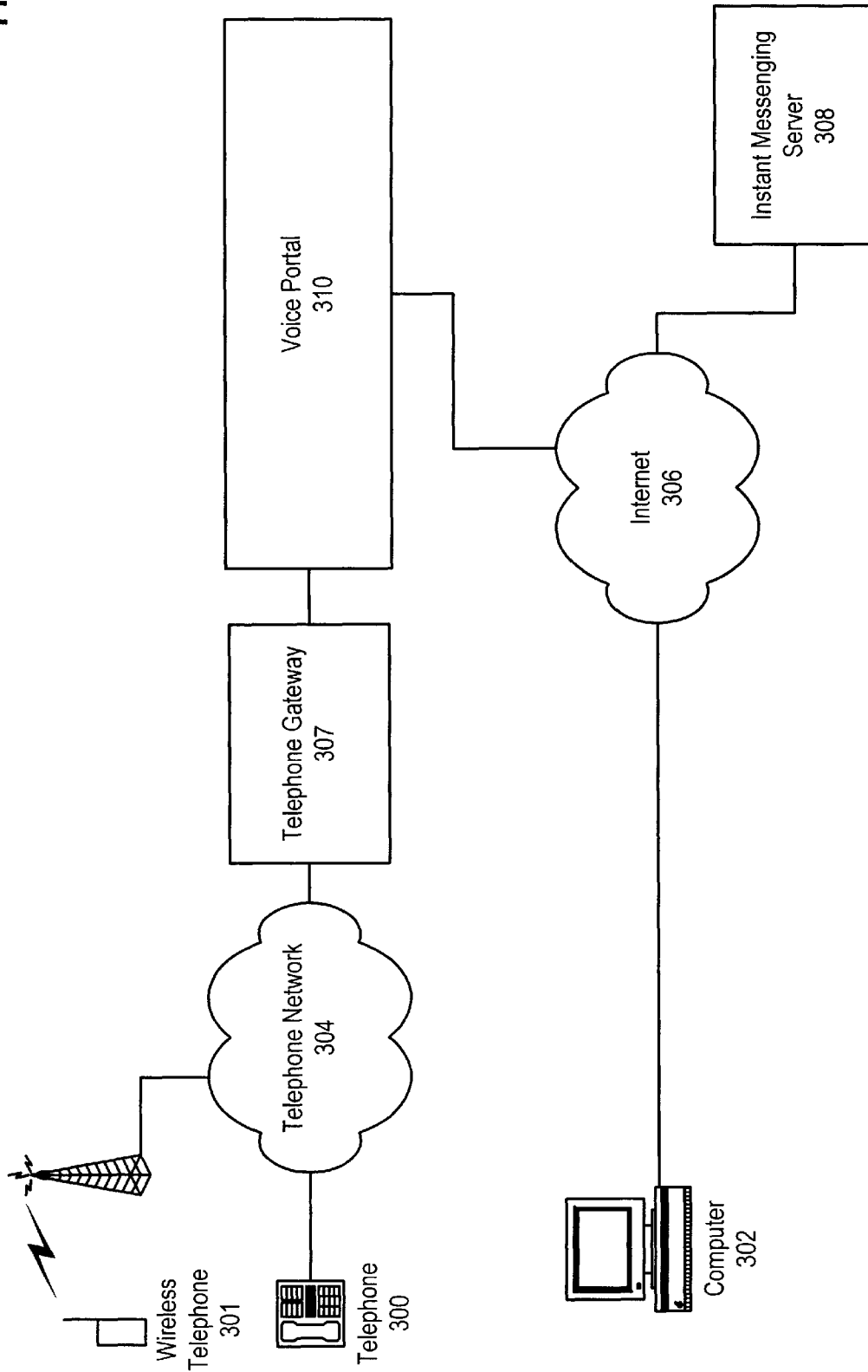


Figure 3



Initiate Messaging...

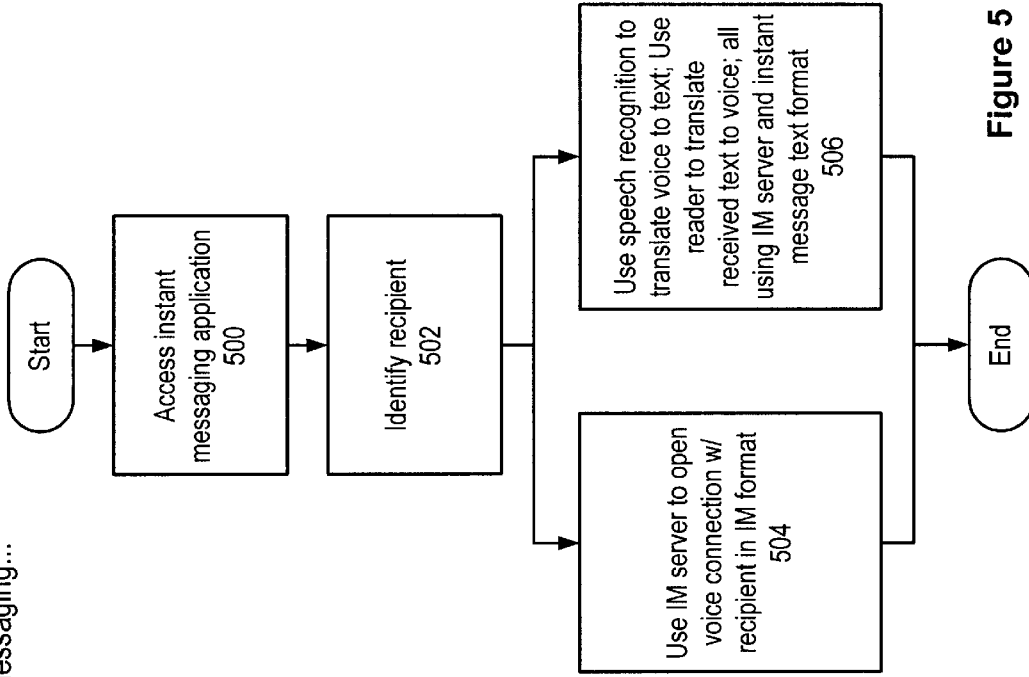


Figure 5

Is a user online?

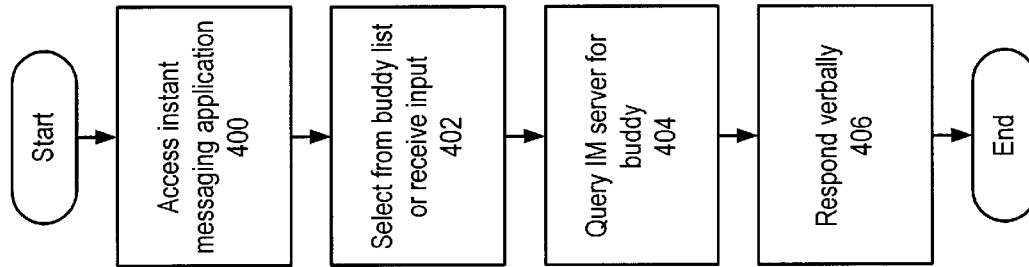


Figure 4

Retrieving Stored Messages...

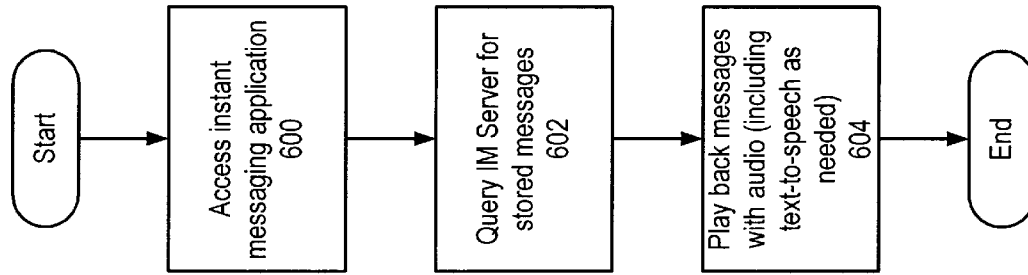


Figure 6

Query IM Server for Information, etc...

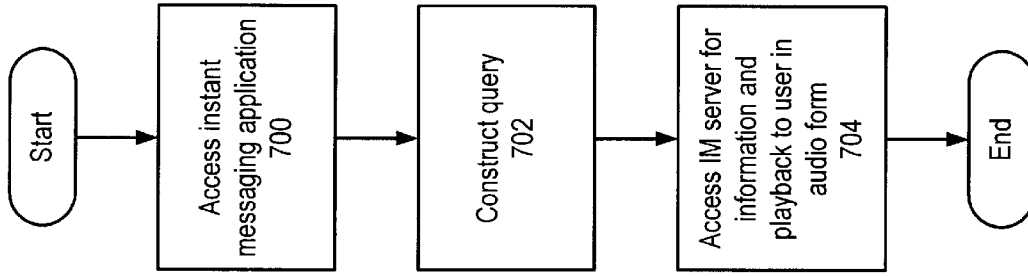


Figure 7

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