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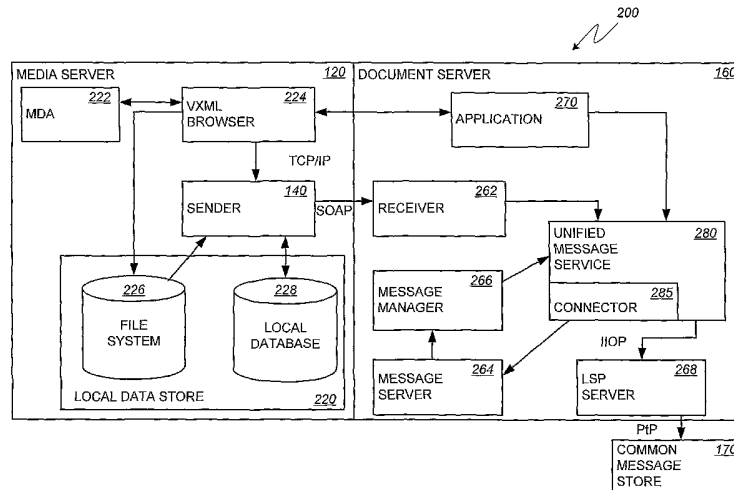
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(54) Title: MESSAGE DURABILITY AND RETRIEVAL IN A GEOGRAPHICALLY DISTRIBUTED VOICE MESSAGING SYSTEM



(57) Abstract: A message retrieval subsystem comprises a voice extensible mark-up language browser, a message server, and a message library. The VXML browser is configured with an application programming interface that enables a subscriber of a distributed voice messaging service to request a stored message. The message server receives a request to open a connection from a client process operative on the voice extensible mark-up language browser, spawns a thread to enable the connection, uses the thread to queue one or more subscriber requests for respective blocks of audio information, removes and processes the one or more subscriber requests, and uses the thread to forward a retrieved block of audio information to a subscriber. The message library is coupled to the message server and interposed between the message server and a common message store. The upper library isolates the VXML browser from a streaming protocol used to access the stored message.

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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**INTERNATIONAL SEARCH REPORT**

International application No.  
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**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: **H04M 1/64**( 2006.01)  
  
 USPC: 379/88.17  
 According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**  
 Minimum documentation searched (classification system followed by classification symbols)  
 U.S. : 379/88.17; 370/352

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 EAST

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,915,001 (UPPALURU) 22 June 1999 (22.06.1999) column 6, line 6 to column 10, line 57, figures 1 and 2.	12-18, 20
Y	US 6,477,561 (ROBSMAN) 05 November 2002 (05.11.2002), column 1, lines 10-18.	12-18, 20

Further documents are listed in the continuation of Box C.       See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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