



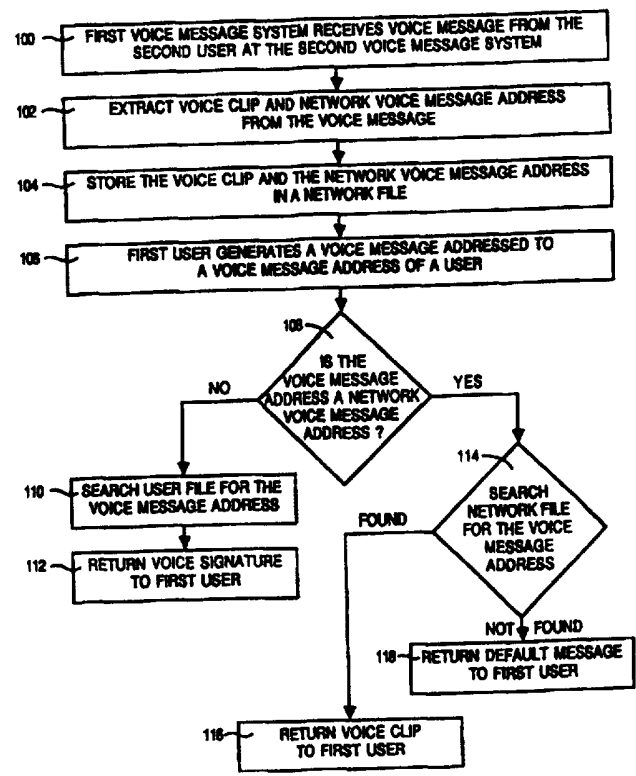
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<p>(21) International Application Number: PCT/US97/09103 (22) International Filing Date: 30 May 1997 (30.05.97) (30) Priority Data: 08/660,080 3 June 1996 (03.06.96) US (60) Parent Application or Grant (63) Related by Continuation US 08/660,080 (CON) Filed on 3 June 1996 (03.06.96) (71) Applicant (for all designated States except US): WORLD-VOICE INC. [US/US]; 1904 North Adams Street, Arlington, VA 22201 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): FINNIGAN, Paul, F. [US/US]; Suite 3A, 987 University Avenue, Los Gatos, CA 95030 (US). (74) Agent: PREISS, Richard, B.; Stoel Rives LLP, Suite 2300, 900 SW Fifth Avenue, Portland, OR 97204-1268 (US).</p>		<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>  (88) Date of publication of the international search report: 22 January 1998 (22.01.98)</p>

(54) Title: TELEPHONIC VOICE MESSAGE STORE AND FORWARD METHOD HAVING NETWORK ADDRESS AND VOICE AUTHENTICATION

(57) Abstract

Authentication of voice message recipient network addresses employs generating (102) and storing (104) a "network file" that includes "voice clips" and associated network addresses that are extracted from voice messages received across a network (10) from voice message systems (16, 18). A voice clip is the first one to three seconds of voice extracted from each received voice message. Over time, the network file will grow to contain multiple voice clips and associated network voice message addresses. When a voice message originator subsequently enters a recipient's network address (106), the originating voice message system searches (114) the network file for the network address, retrieves the associated voice clip (116), and plays it for the voice message originator to authenticate the recipient's network address. Voice authentication of a voice message originator entails encoding (134) into a "voice print file", original voice clips and associated network addresses received from positively identified voice message originators. Thereafter, when a questionable voice message is received (138), the voice message system extracts a new voice clip (142), generates a new voice print (144), and compares it with the original voice print associated with the voice message address (148). If the voice prints are substantially the same, the received voice message is annotated with an "authenticating" message (150).



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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 97/09103

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 6 H04M3/50

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)

IPC 6 H04M

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 practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 95 15046 A (OCTEL COMMUNICATIONS CORP) 1 June 1995	1,2
A	see page 9, line 15 - line 21 see page 10, line 26 - page 11, line 10 ---	9
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P, A	WO 96 37990 A (ADVANCED SYSTEMS TECHNOLOGIES ; FINNIGAN PAUL F (US)) 28 November 1996 -----	

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Patent family members are listed in annex.

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