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Kermani

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(54) **TELEPHONE NUMBER RECOGNITION OF SPOKEN TELEPHONE NUMBER IN A VOICE MESSAGE STORED IN A VOICE MESSAGING SYSTEM**

(75) Inventor: **Bahram Ghaffarzadeh Kermani**,
Whitehall, PA (US)

(73) Assignee: **Agere Systems Inc.**, Allentown, PA
(US)

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(52) **U.S. Cl.** **379/88.01; 379/88.08; 379/88.22; 704/200**

(58) **Field of Search** 379/88.01, 88.04, 379/88.07, 88.08, 88.09, 88.11, 88.19-88.23, 88.26-88.28; 704/200, 231, 234, 243, 251, 254, 260, 270, 270.1, 275

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Primary Examiner—Fan Tsang

Assistant Examiner—Roland G. Foster

(74) *Attorney, Agent, or Firm*—William H. Bollman

(57) **ABSTRACT**

A voice messaging system such as a telephone answering device which allows automatic identification and tagging of a voice clip portion of a full voice message which contains a spoken telephone number (e.g., a call back number). The voice clip may be tagged for later playback separate from playback of the full voice message. The full voice message may be deleted, leaving just the voice clip portion containing the spoken telephone number. The spoken telephone number may be processed through an appropriate voice recognition application program to generate textual information regarding the spoken telephone numbers, which may then be displayed. Call related information such as Caller ID information may be displayed together with the displayed textual voice clip information. The voice clip portions of the full voice message may be identified either in substantially real-time, or off-line during periods of non-use of the telephone answering device.

14 Claims, 10 Drawing Sheets

