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(54) **SYSTEM AND METHOD FOR ESTABLISHING A COMMUNICATION LINK USING USER-SPECIFIC VOICE DATA PARAMETERS AS A USER DISCRIMINATOR**

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Under 35 U.S.C. 154(b), the term of this patent shall be extended for 0 days.

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(52) **U.S. Cl.** **704/273**; 704/246; 455/411; 455/558

(58) **Field of Search** 704/270, 273, 704/246, 239, 251; 455/410, 411, 558, 404, 563, 521

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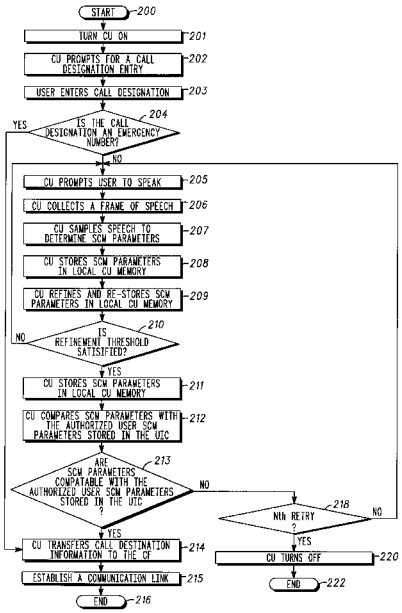
(57) **ABSTRACT**

A system and method for establishing a communication link, wherein the system includes a communications unit (**60**, FIG. **3**) having a vocoder (**62**) for providing user-specific voice data in the form of a unique set of speech characteristic model parameters for each authorized user. The method (**200**, FIG. **8**) includes the steps of providing user-specific voice data via a connection training method (FIGS. **5**, **6**, or **7**), collecting a sample of speech characteristics from a user desiring to access the communication unit (**206**, FIG. **8**), comparing the sample with the user-specific voice data (**212**), granting the user access to the communication unit to establish a communication link with another communication unit if the sample is comparable with the user-specific voice data (**215**), and denying the user access to the communication unit if the sample is incomparable with the user-specific voice data (**220**).

6 Claims, 9 Drawing Sheets