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(54) **VOICE PRINT RECOGNITION SOFTWARE SYSTEM FOR VOICE IDENTIFICATION AND MATCHING**

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G10L 15/00 (2013.01)

(52) **U.S. Cl.**
USPC **704/246; 704/247; 704/273; 704/500; 455/410; 455/411**

(58) **Field of Classification Search**
USPC **704/247, 246, 500, 273; 455/411**
See application file for complete search history.

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(57) **ABSTRACT**

Positive identification of local inhabitants plays an important role in modern military, police and security operations. Since terrorists use all means to masquerade as local inhabitants, the identification of terrorist or hostile suspects becomes an increasingly complicated task. The instant software solution will assist military, police and security forces in the identification of suspects using Voice Print Recognition (VPR) technology. Our VPR software will compare and recognize, or match, specific voice samples with stored, digital voice models (voice prints) for the purpose of establishing or verifying identity. VPR software will support an operator's decision and situational awareness through the verification of a person's identity (for instance: remote access control), but more importantly will assist in the identification of suspect individuals (identifying suspects among a large group of captured individuals). This second application is critical for the modern counter and anti-terrorist operations environment. The VPR system will be easy to use, fast, and helpful to users with minimal operational training. The VPR system will provide a method, as practiced on or via access to a computing device, which includes software for acquisition of voice records, storage of such records, identification algorithms, user and software interfaces. The system will also have server and client applications in its implementation.

36 Claims, 5 Drawing Sheets

