

PORTABLE ACOUSTIC INTERFACE FOR REMOTE ACCESS TO AUTOMATIC
SPEECH/SPEAKER RECOGNITION SERVER

ABSTRACT

A portable speech signal preprocessing (SSP) device (99) having a microphone (100) for receiving spoken speech and background noise, a digital signal processor (DSP) (120) for processing the received noise into feature vectors, a coupler (150) for coupling to a communication device and for transmission over a communication channel. An automatic speech/speaker recognition (ASSR) server (200) receives over the communication channel the preprocessed speech data and recognizes the spoken speech/speaker. A system having the portable SSP device (99) and the ASSR server (200) can be used to remotely activate, reset, or change PIN codes in smartcards, magnetic cards, or electronic money cards.

Fig. 1