

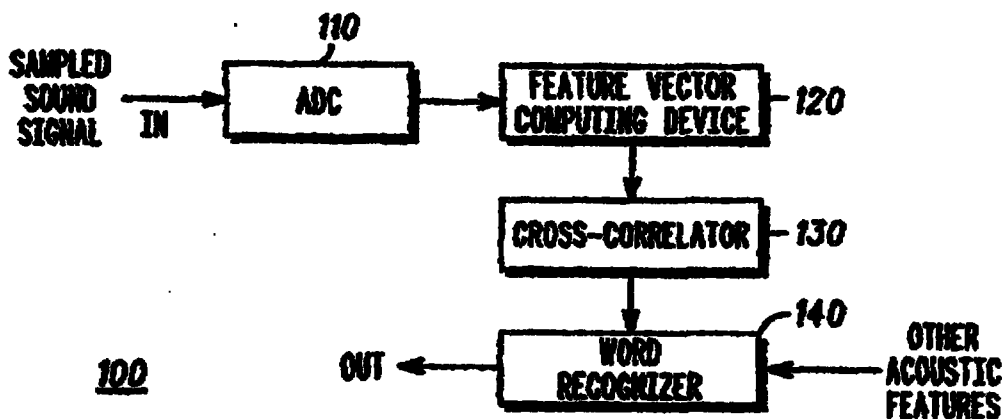


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(54) Title: METHOD AND RECOGNIZER FOR RECOGNIZING TONAL ACOUSTIC SOUND SIGNALS ✓**(57) Abstract**

A tonal sound recognizer determines tones in a tonal language without the use of voicing recognizers or peak picking rules. The tonal sound recognizer computes feature vectors for a number of segments of a sampled tonal sound signal in a feature vector computing device (120), compares the feature vectors of a first of the segments with the feature vectors of another segment in a cross-correlator (130) to determine a trend of a movement of a tone of the sampled tonal sound signal, and uses the trend as an input to a word recognizer (140) to determine a word or part of a word of the sampled tonal sound signal.