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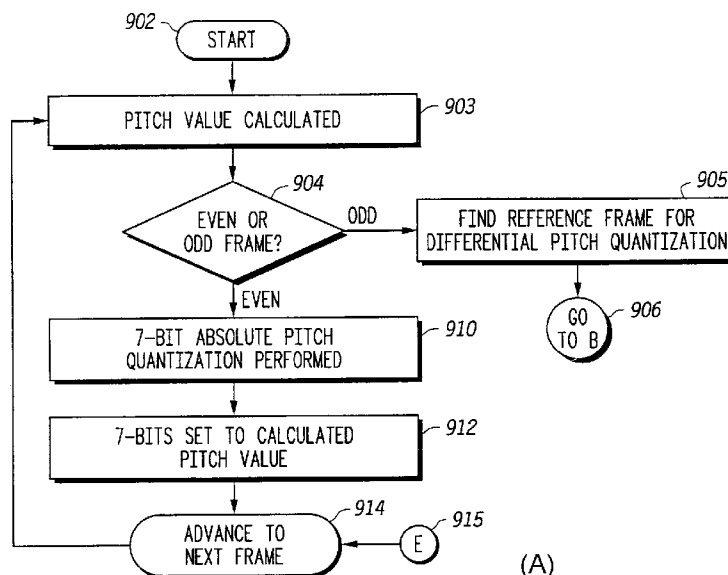
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(54) **Title:** PITCH QUANTIZATION FOR DISTRIBUTED SPEECH RECOGNITION



(57) **Abstract:** A system, method and computer readable medium for quantizing pitch information of audio is disclosed. The method includes capturing audio representing a numbered frame of a plurality of numbered frames. The method further includes calculating a class of the frame, wherein a class is any one of a voiced or unvoiced class. If the frame is a voiced class, a pitch is calculated for the frame (903). If the frame is an even numbered frame and a voiced class, a codeword of first length is calculated by absolutely quantizing the frame pitch (910). If the frame is an odd numbered frame and a voiced class and a reliable frame is available, a codeword of a second length is calculated by differentially quantizing the frame pitch (905). If there is no reliable frame available, a codeword of the second length is calculated by absolutely quantizing the frame pitch.

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