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(54) **Title:** SELECTING CODEBOOKS FOR CODING VECTORS DECOMPOSED FROM HIGHER-ORDER AMBISONIC AUDIO SIGNALS

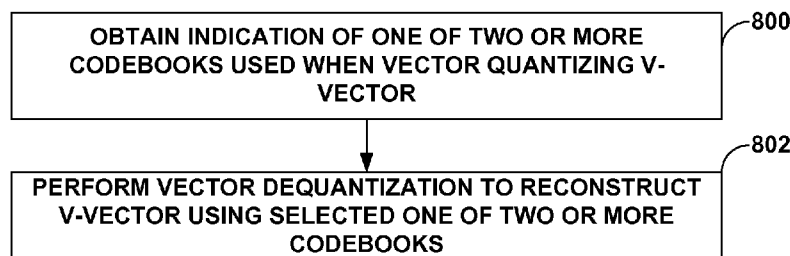


FIG. 27

(57) **Abstract:** In general, techniques are described for performing codebook selection when coding vectors decomposed from higher-order ambisonic coefficients. A device comprising a memory and a processor may perform the techniques. The memory may be configured to store a plurality of codebooks to use when performing vector dequantization with respect to a vector quantized spatial component of a soundfield. The vector quantized spatial component may be obtained through application of a decomposition to a plurality of higher order ambisonic coefficients. The processor may be configured to select one of the plurality of codebooks.