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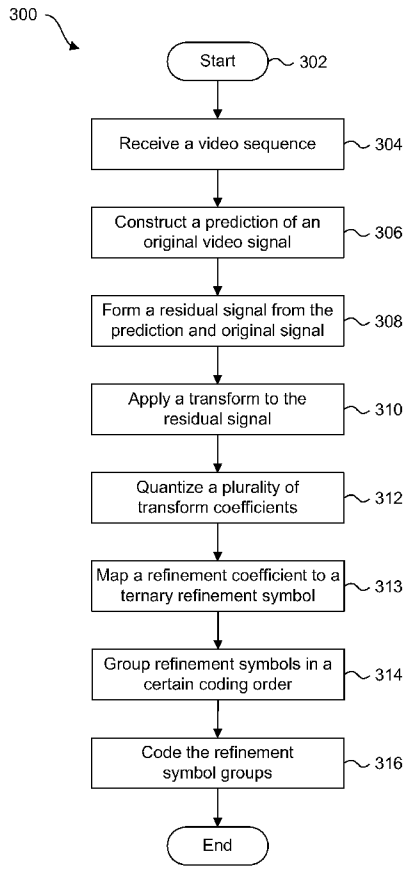
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(54) Title: METHODS AND SYSTEMS FOR REFINEMENT COEFFICIENT CODING IN VIDEO COMPRESSION



(57) Abstract: A method for coding refinement coefficients in a signal-to-noise ratio (SNR) scalable enhancement layer of a compressed video sequence is disclosed. A video sequence is received. A prediction of an original video signal in a current frame is constructed from the video sequence. A residual signal is formed by subtracting the prediction of the original video signal from the original video signal in the current frame. A transform is applied to the residual signal. A plurality of transform coefficients is quantized. A refinement coefficient is mapped to a ternary refinement symbol. Refinement symbols are grouped in a certain coding order. The refinement symbol groups are coded using variable length codes.

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