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(54) Title: TEMPORAL PREDICTION OF ADAPTIVE LOOP FILTER PARAMETERS WITH REDUCED MEMORY CONSUMPTION FOR VIDEO CODING

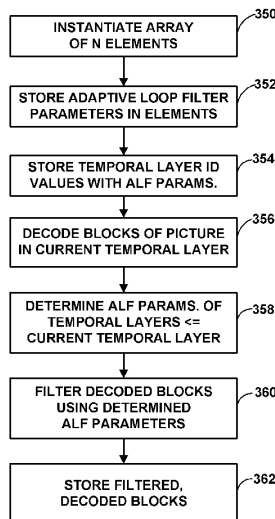


FIG. 7

(57) Abstract: A device for decoding video data includes a memory configured to store video data and one or more processors implemented in circuitry and configured to store sets of adaptive loop filter (ALF) parameters in a one-dimensional array in the memory, the one-dimensional array having a predefined size of N memory elements, N being a positive integer value, wherein the one or more processors are configured to store, in one or more of the memory elements of the array, both corresponding ALF parameters and a temporal layer identifier (ID) value indicating a temporal layer from which the corresponding ALF parameters are to be estimated; decode one or more blocks of the video data; and filter the one or more blocks using the ALF parameters of the one-dimensional array. The device may further encode the one or more blocks prior to decoding the one or more blocks.

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