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(54) **Title:** AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR ADAPTIVE LOOP FILTERING

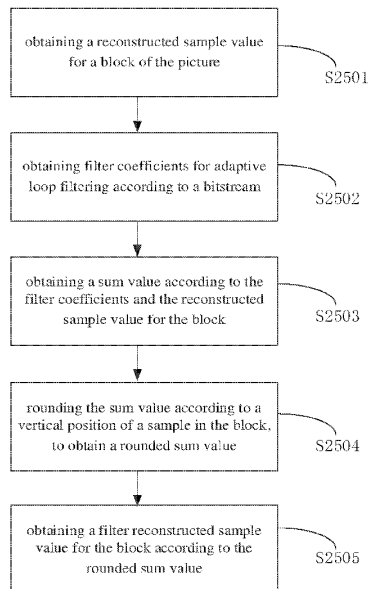


Fig. 25

(57) **Abstract:** A method of filtering a sample value of a picture and a video decoding apparatus are disclosed, the method comprises: obtaining a reconstructed sample value for a block of the picture; obtaining filter coefficients for adaptive loop filtering according to a bitstream; obtaining a sum value according to the filter coefficients and the reconstructed sample value for the block; rounding the sum value according to a vertical position of a sample in the block, to obtain a rounded sum value; obtaining a filter reconstructed sample value for the block according to the rounded sum value.

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