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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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(54) **Title:** VIDEO CODING OF FILTER COEFFICIENTS BASED ON HORIZONTAL AND VERTICAL SYMMETRY

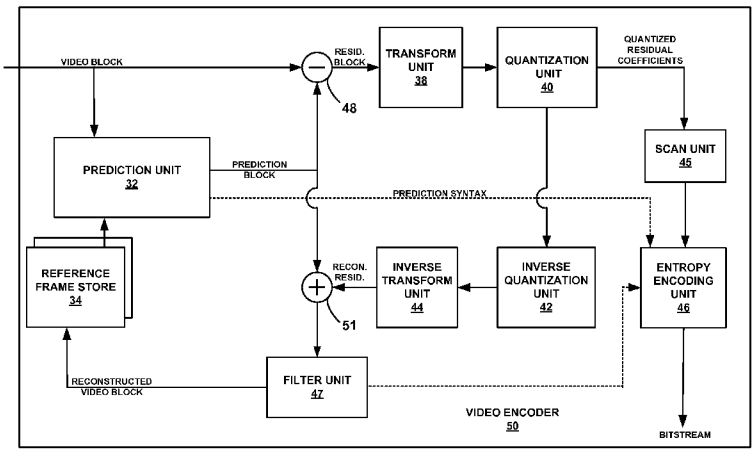


FIG. 2

(57) **Abstract:** This disclosure recognizes and exploits the fact that some of the filter coefficients defined at the encoder may possess symmetry relative to other filter coefficients. Accordingly, this disclosure describes techniques in which a first set of the filter coefficients are used to predictively encode a second set of the filter coefficients, thereby exploiting any symmetry between filter coefficients. Rather than communicate all of the filter coefficients to the decoding device, the encoding device may communicate the first set of filter coefficients and difference values associated with the second set of filter coefficients. Using this information, the decoder may be able to reconstruct all of the filter coefficients. In some cases, if exact symmetry is imposed, the need to send the difference values may be eliminated and the decoder may be able to derive the second set of filter coefficients from the first set of filter coefficients.

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