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WO 2020/130887 A1

(54) Title: METHOD AND APPARATUS OF INTERPOLATION FILTERING FOR PREDICTIVE CODING

$$c_0 = 16 - \frac{p}{2}, c_1 = 16 + 16 - \frac{p}{2}, c_2 = 16 + \frac{p}{2}, \text{ and } c_3 = \frac{p}{2} \quad (I)$$

(57) Abstract: The present disclosure relates to intra- or inter-prediction for video encoding and decoding. For that purpose, an apparatus and methods obtain a reference sample and a subpixel offset value. A subpixel 4-tap interpolation filter is used to filter the reference sample to obtain a predicted sample value. The filter coefficients c_0 , c_1 , c_2 , and c_3 of the subpixel 4-tap interpolation filter satisfy formula (I) with p being a fractional part of the value of subpixel offset.