ABSTRACT OF THE DISCLOSURE

A method of video decoding performed in a video decoder includes receiving a coded video bitstream including a current picture and at least one syntax element that corresponds to transform coefficients of a transform block in the current picture. The method further includes determining an offset value based on an output of a monotonic non-decreasing f(x) function performed on a sum (x) of a group of partially reconstructed transform coefficients. The method further includes determining a context model index based on a sum of the determined offset value and a base value. The method further includes selecting, for the at least one syntax of a current transform coefficient, a context model from a plurality of context models based on the determined context model index.

Fig. 16