ABSTRACT

VIDEO ENCODER, VIDEO DECODER, AND CORRESPONDING METHOD

Embodiments of the present invention provide a video encoder, a video decoder, and a corresponding method. The method includes: parsing a bitstream to obtain an index, where the index is used to indicate a target candidate motion vector group of a current coding block; determining the target candidate motion vector group in an affine candidate motion vector list based on the index, where the affine candidate motion vector list includes at least a first candidate motion vector group, the first candidate motion vector group is obtained based on a first group of control points of a first neighboring affine coding block, and the first group of control points of the first neighboring affine coding block are control points determined based on a relative location of a coding tree unit CTU with respect to the current coding block, wherein the first neighboring affine coding block is located in the CTU; and predicting a predicted sample value of the current coding block based on the target candidate motion vector group. According to the embodiments of this application, a quantity of times of reading from the memory can be reduced, so that encoding and decoding performance is improved.

Fig. 5D