

ABSTRACT

VIDEO ENCODER, VIDEO DECODER, AND CORRESPONDING METHOD

Embodiments of the present invention provide a video encoder, a video decoder, and a
5 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
10 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 coding tree unit
CTU located relative 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
15 quantity of times of reading from the memory can be reduced, so that encoding and decoding
performance is improved.

Fig. 5D