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(54) **PICTURE PREDICTION METHOD AND APPARATUS, AND CODEC**

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(57) **ABSTRACT**

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A picture prediction method is provided, which includes: obtaining initial motion information of a current picture block; determining, based on a matching cost criterion, that positions of a pair of reference blocks are a position of a target forward reference block of the current picture block and a position of a target backward reference block of the current picture block, where positions of each pair of reference blocks include a position of a forward reference block and a position of a backward reference block; and for the positions of each pair of reference blocks, a first position offset and a second position offset are in a mirror relationship; and obtaining a predicted value of a pixel value of the current picture block based on a pixel value of the target forward reference block and a pixel value of the target backward reference block.

Related U.S. Application Data

(63) Continuation of application No. 16/915,678, filed on Jun. 29, 2020, now Pat. No. 11,528,503, which is a continuation of application No. PCT/CN2018/124275, filed on Dec. 27, 2018.

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