

ABSTRACT

A method and an apparatus for image coding and decoding through inter prediction are provided. The decoding method includes: determining prediction motion information of a first decoding block; performing bidirectional prediction on the first decoding block based on the prediction motion information to obtain a first decoding prediction block; performing motion search of first precision on a prediction reference image block to obtain at least one second decoding prediction block, where a search location of the motion search is determined by using a motion vector predictor and the first precision; calculating a difference between the first decoding prediction block and each second decoding prediction block to obtain a target motion vector predictor of the first decoding block; and updating the target motion vector predictor through motion search. Therefore, motion precision of inter prediction is improved.

FIGURE 5