

ABSTRACT

Embodiments of the present invention relate to a video image encoding method, a video image decoding method, an encoding device, and a decoding device. The method includes: determining a motion vector group of a current encoding block; determining prediction values of a first component set of a motion model initialization vector of the current encoding block according to the motion vector group; determining to-be-transmitted values of the first component set according to the prediction values of the first component set; and encoding the to-be-transmitted values of the first component set, and transmitting encoded to-be-transmitted values of the first component set to a decoder side. According to the video image encoding method, the video image decoding method, the encoding device, and the decoding device in the embodiments of the present invention, a motion model initialization vector of a current encoding block is determined according to a motion vector group; to-be-transmitted values of a motion model are determined according to the motion model initialization vector; the to-be-transmitted values of the motion model are encoded for transmission, so that a decoder side performs decoding according to the to-be-transmitted values of the motion model. In this way, a volume of data and a quantity of occupied bits in encoding and decoding transmission can be reduced.

FIGURE 1