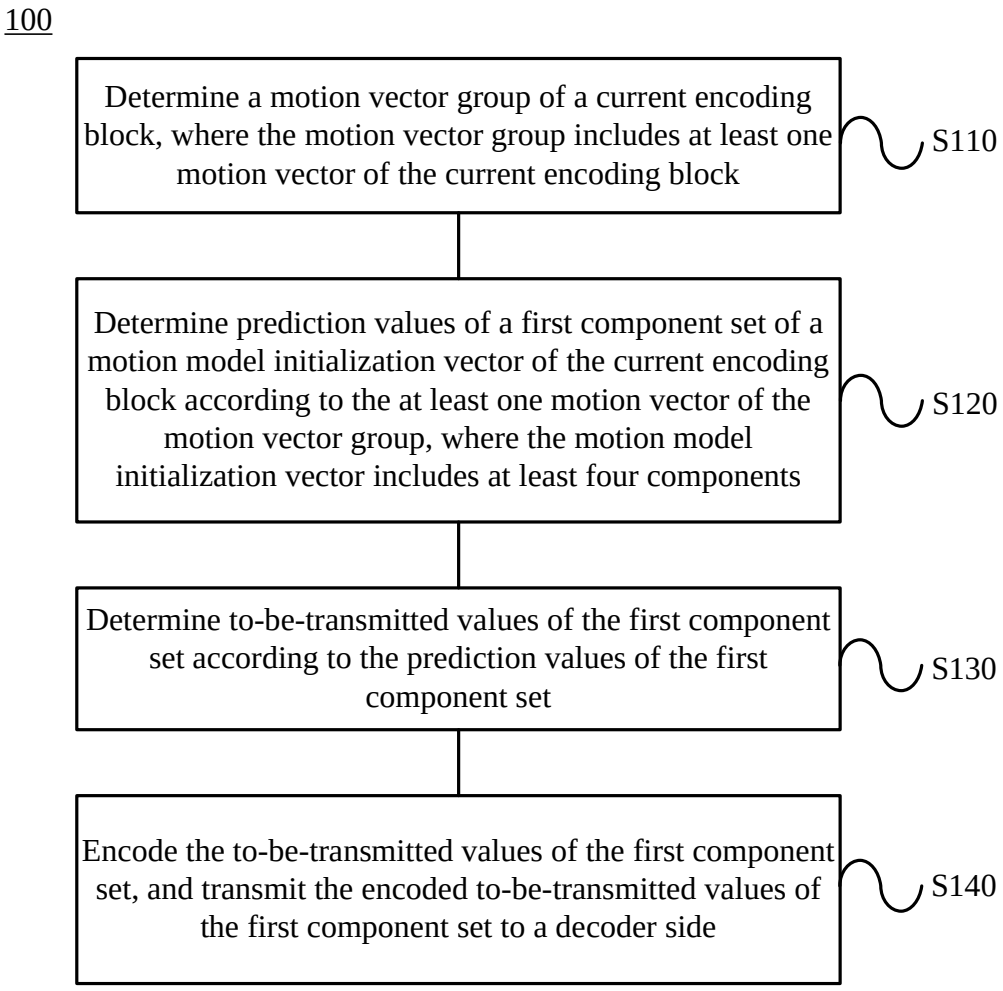
100
Determine a motion vector group of a current encoding block, where the motion vector group includes at least one motion vector of the current encoding block
S110
Determine prediction values of a first component set of a motion model initialization vector of the current encoding block according to the at least one motion vector of the motion vector group, where the motion model initialization vector includes at least four components
S120
Determine to-be-transmitted values of the first component set according to the prediction values of the first component set
S130
Encode the to-be-transmitted values of the first component set, and transmit the encoded to-be-transmitted values of the first component set to a decoder side
S140

FIG. 1

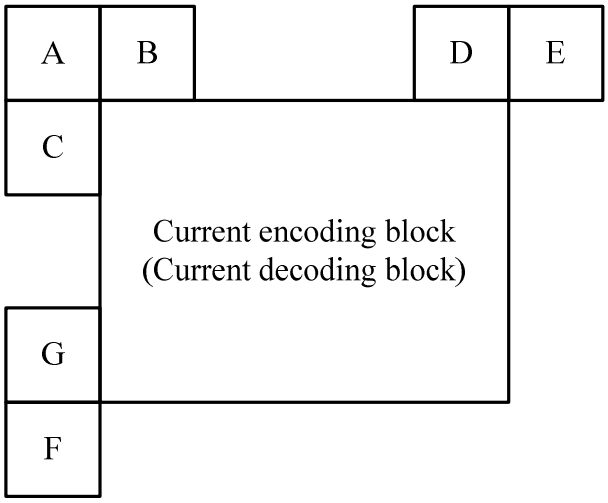
A
B
D
E
C
Current encoding block
(Current decoding block)
G
F

FIG. 2

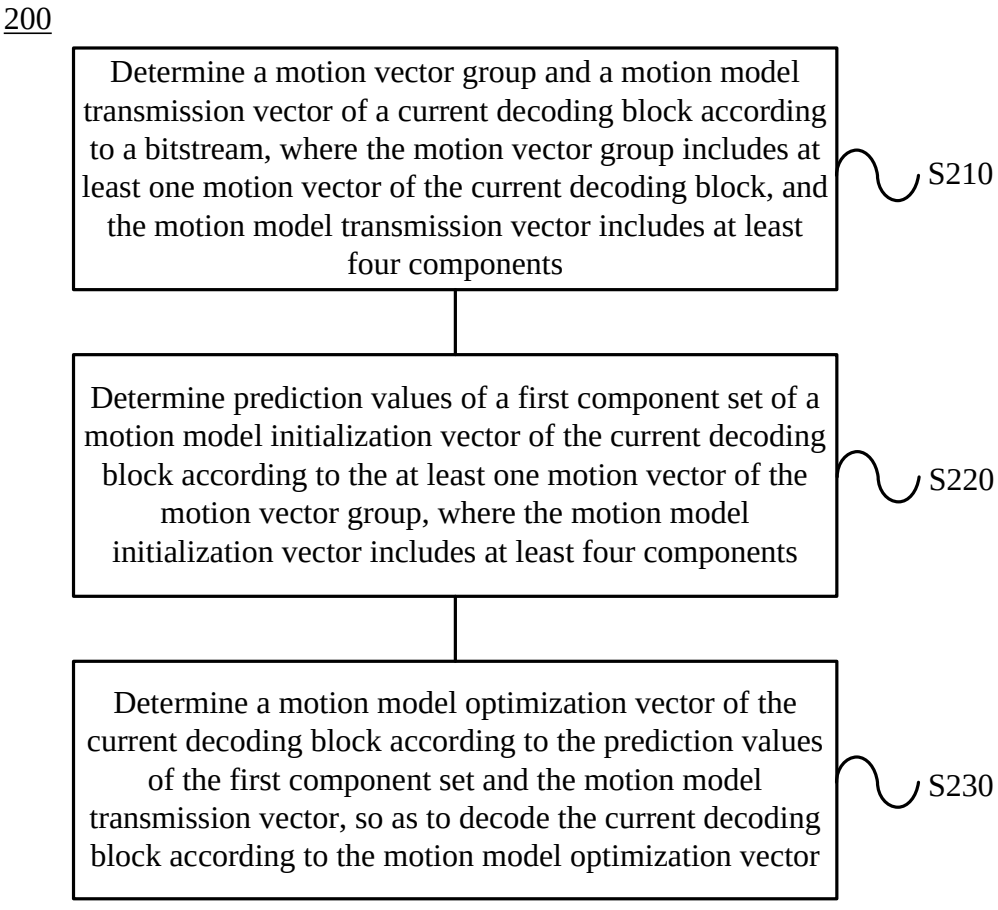
200
Determine a motion vector group and a motion model transmission vector of a current decoding block according to a bitstream, where the motion vector group includes at least one motion vector of the current decoding block, and the motion model transmission vector includes at least four components
S210
Determine prediction values of a first component set of a motion model initialization vector of the current decoding block according to the at least one motion vector of the motion vector group, where the motion model initialization vector includes at least four components
S220
Determine a motion model optimization vector of the current decoding block according to the prediction values of the first component set and the motion model transmission vector, so as to decode the current decoding block according to the motion model optimization vector
S230

FIG. 3

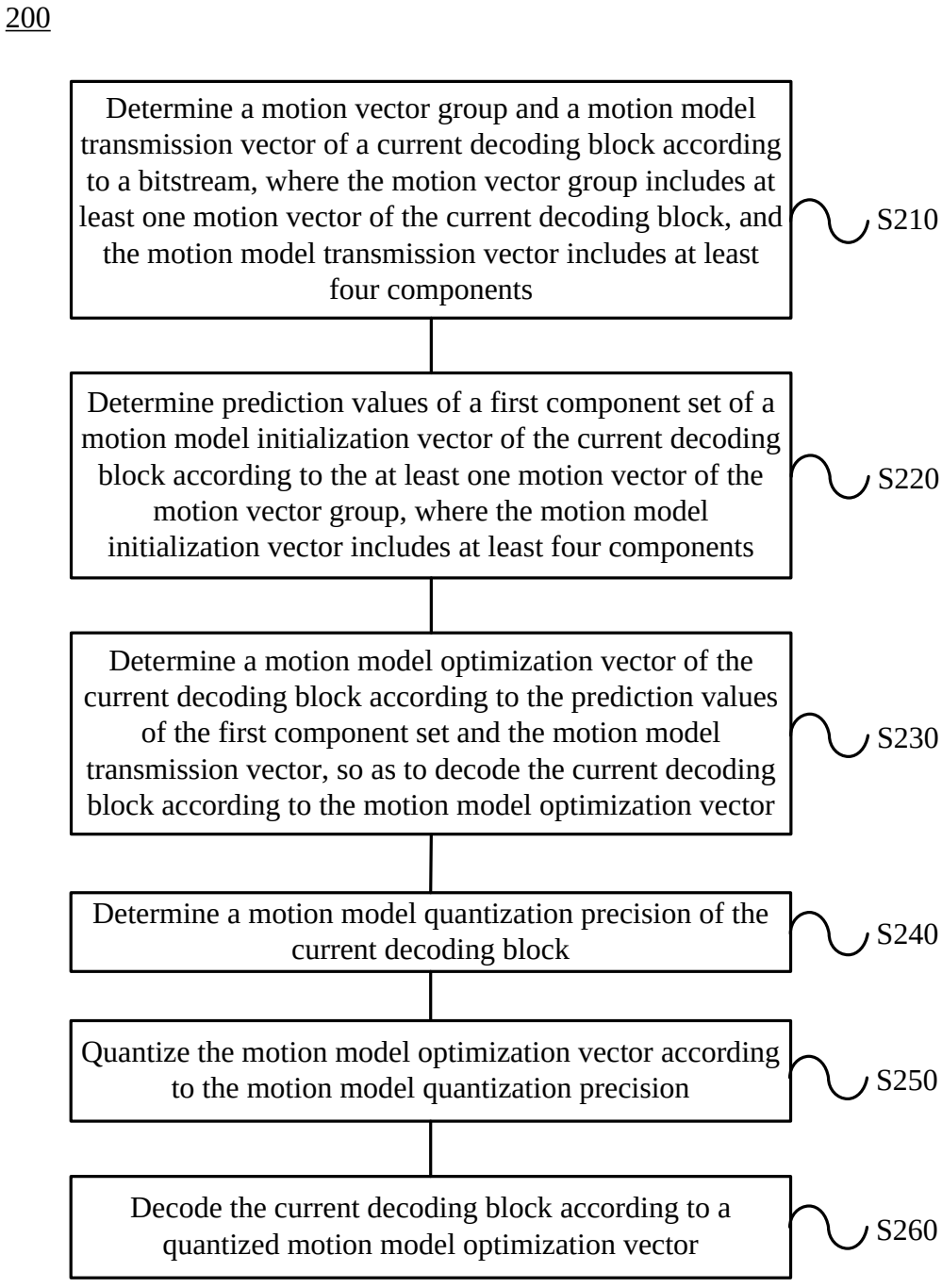
200
Determine a motion vector group and a motion model transmission vector of a current decoding block according to a bitstream, where the motion vector group includes at least one motion vector of the current decoding block, and the motion model transmission vector includes at least four components
S210
Determine prediction values of a first component set of a motion model initialization vector of the current decoding block according to the at least one motion vector of the motion vector group, where the motion model initialization vector includes at least four components
S220
Determine a motion model optimization vector of the current decoding block according to the prediction values of the first component set and the motion model transmission vector, so as to decode the current decoding block according to the motion model optimization vector
S230
Determine a motion model quantization precision of the current decoding block
S240
Quantize the motion model optimization vector according to the motion model quantization precision
S250
Decode the current decoding block according to a quantized motion model optimization vector
S260

FIG. 4

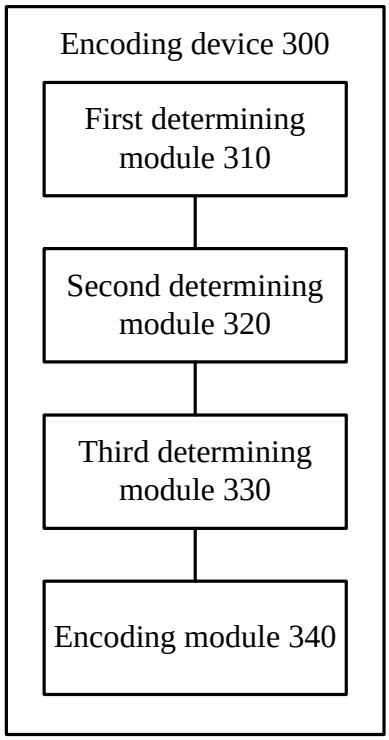
Encoding device 300
First determining module 310
Second determining module 320
Third determining module 330
Encoding module 340

FIG. 5

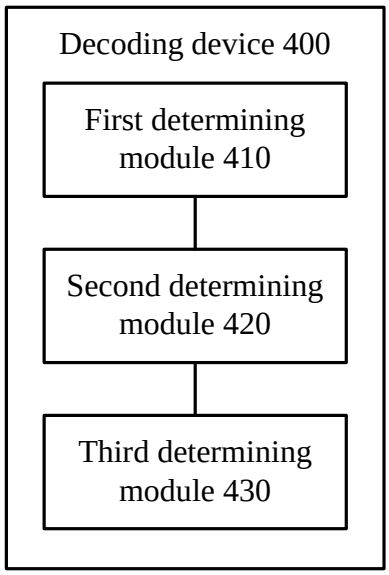
Decoding device 400
First determining module 410
Second determining module 420
Third determining module 430

FIG. 6

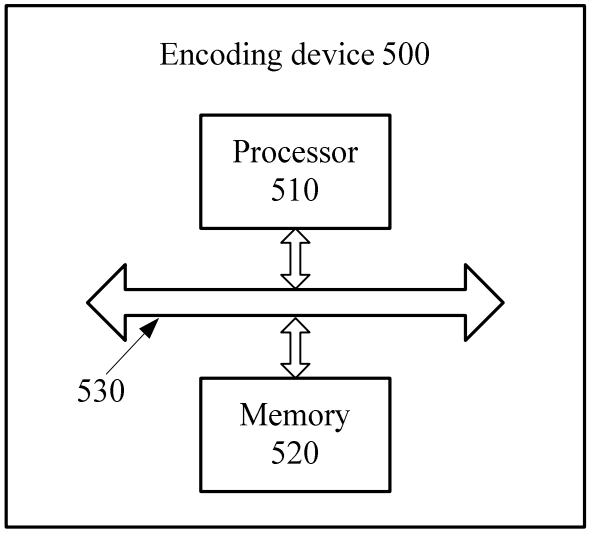
Encoding device 500
Processor
510
530
Memory
520

FIG. 7

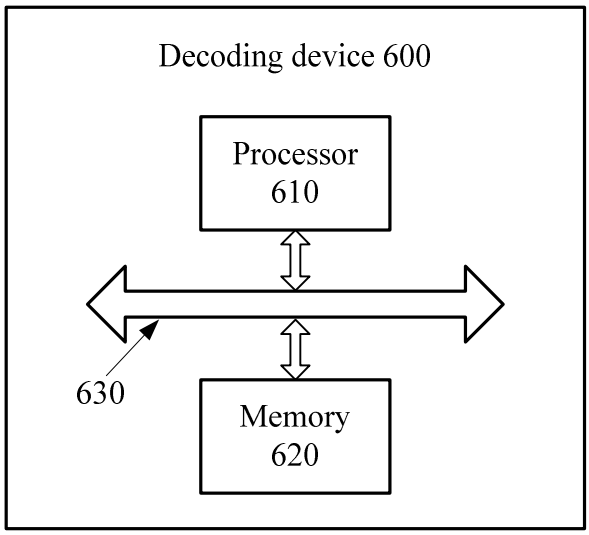
Decoding device 600
Processor
610
630
Memory
620

FIG. 8