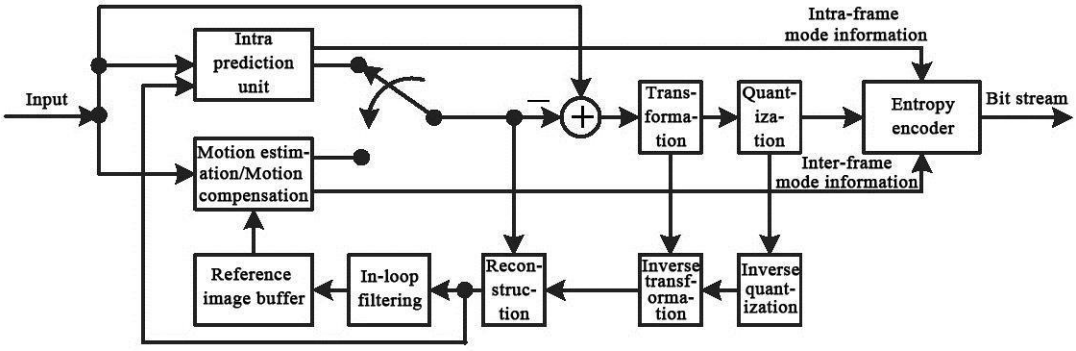

Intra-frame mode information
Intra prediction unit
Input
Motion estim-ation/Motion compensation
Trans-forma-tion
Quant-iza-tion
Entropy encoder
Bit stream
Inter-frame mode information
Reference image buffer
In-loop filtering
Recon-struc-tion
Inverse transf-orma-tion
Inverse quant-ization

FIG. 1

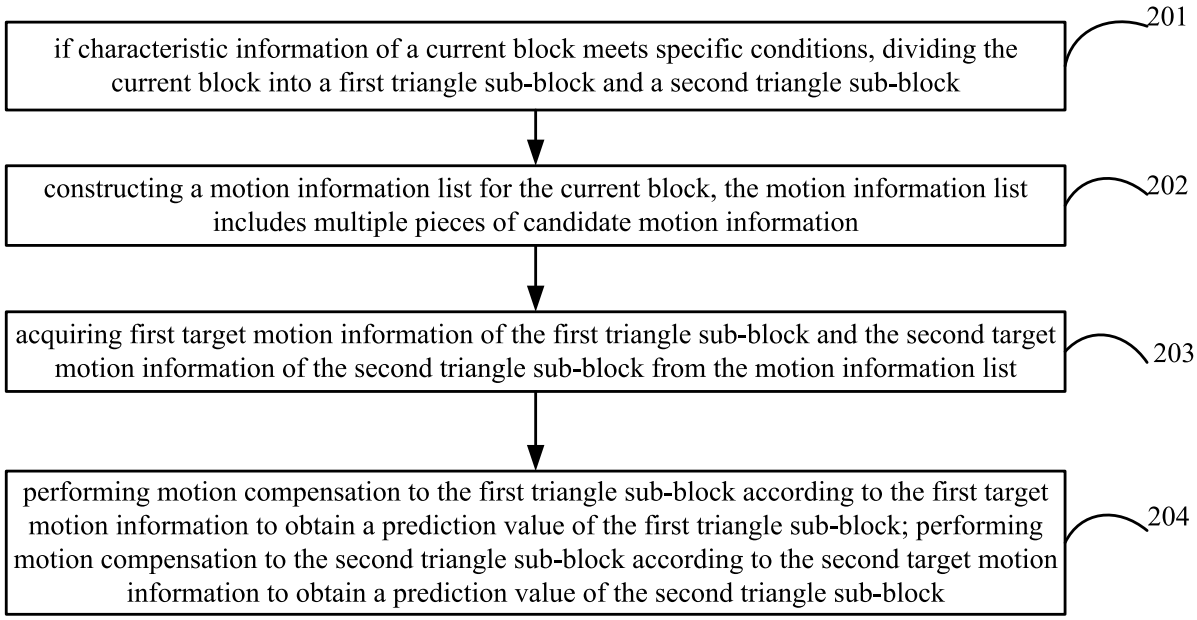

if characteristic information of a current block meets specific conditions, dividing the current block into a first triangle sub-block and a second triangle sub-block
201
constructing a motion information list for the current block, the motion information list includes multiple pieces of candidate motion information
202
acquiring first target motion information of the first triangle sub-block and the second target motion information of the second triangle sub-block from the motion information list
203
performing motion compensation to the first triangle sub-block according to the first target motion information to obtain a prediction value of the first triangle sub-block; performing motion compensation to the second triangle sub-block according to the second target motion information to obtain a prediction value of the second triangle sub-block
204

FIG. 2

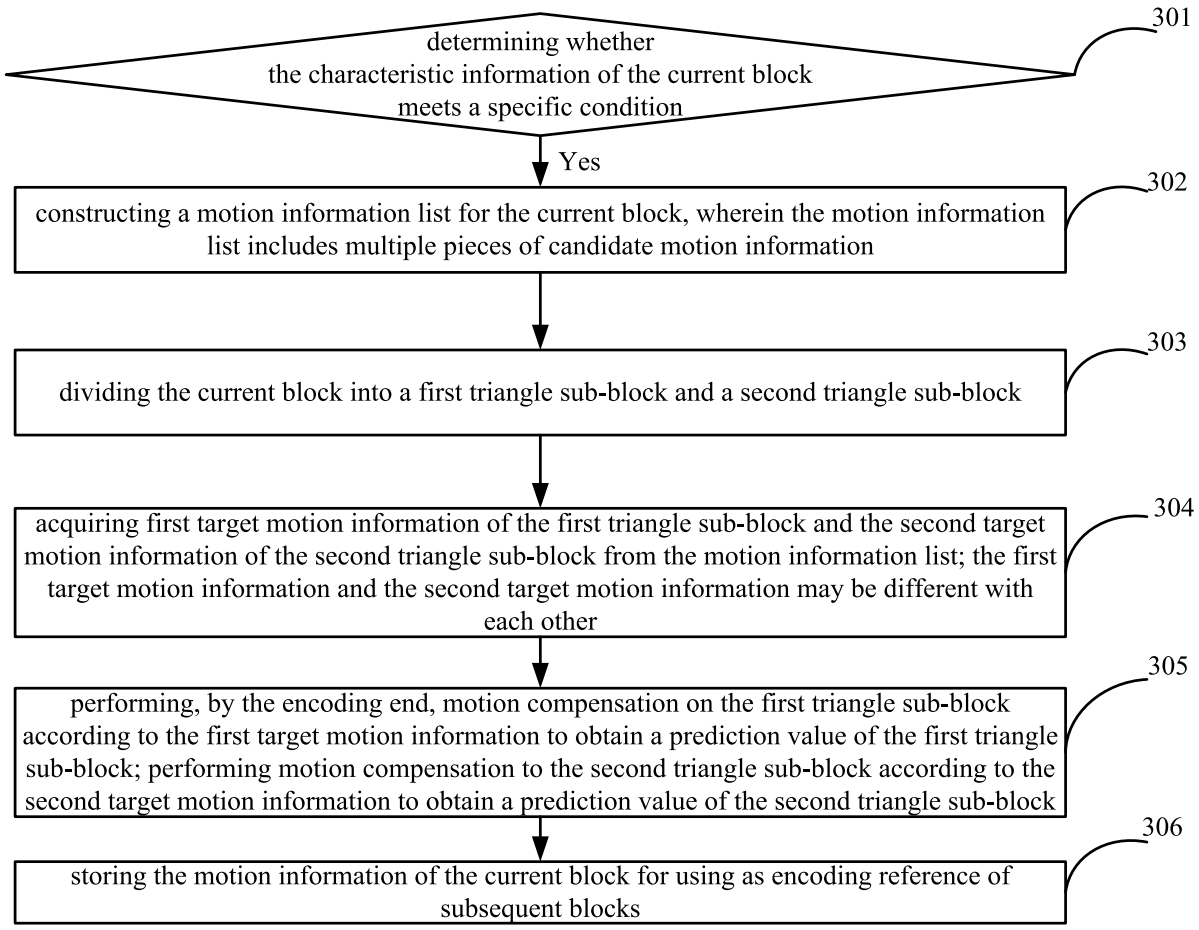

301
determining whether the characteristic information of the current block meets a specific condition
Yes
302
constructing a motion information list for the current block, wherein the motion information list includes multiple pieces of candidate motion information
303
dividing the current block into a first triangle sub-block and a second triangle sub-block
304
acquiring first target motion information of the first triangle sub-block and the second target motion information of the second triangle sub-block from the motion information list; the first target motion information and the second target motion information may be different with each other
305
performing, by the encoding end, motion compensation on the first triangle sub-block according to the first target motion information to obtain a prediction value of the first triangle sub-block; performing motion compensation to the second triangle sub-block according to the second target motion information to obtain a prediction value of the second triangle sub-block
306
storing the motion information of the current block for using as encoding reference of subsequent blocks

FIG. 3

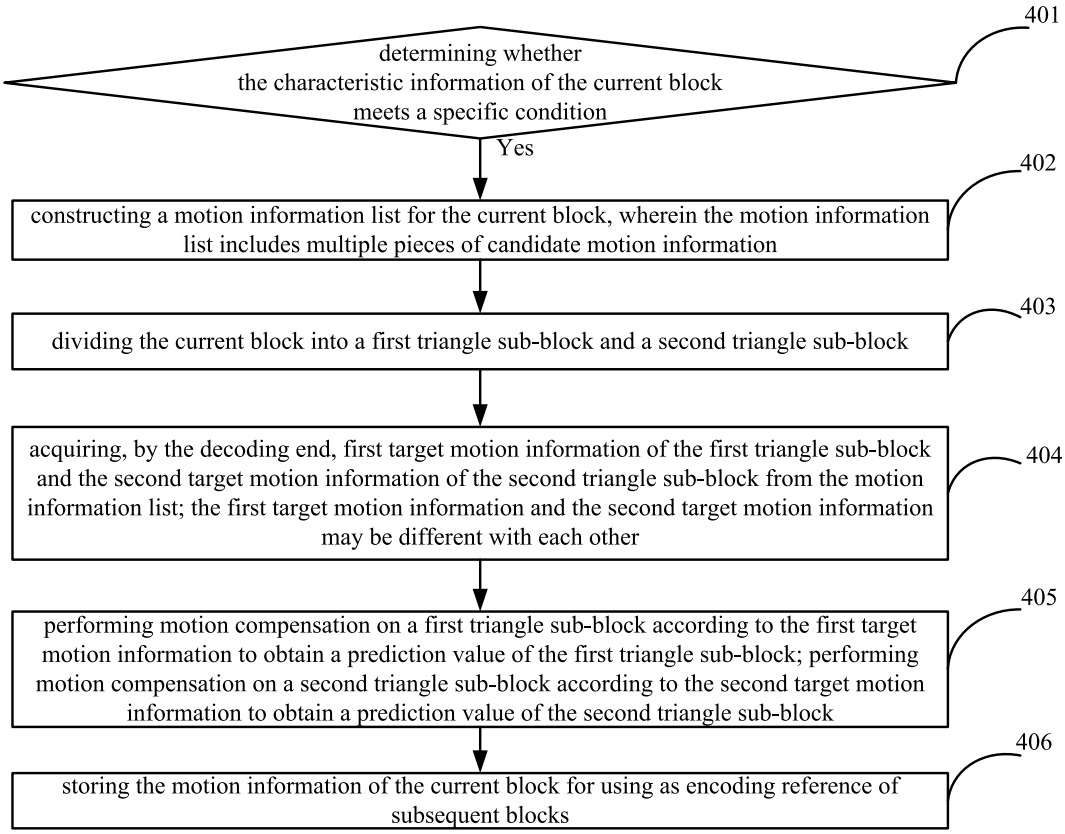


FIG. 4

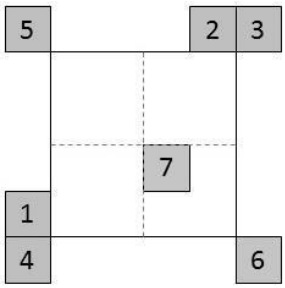


FIG. 5A

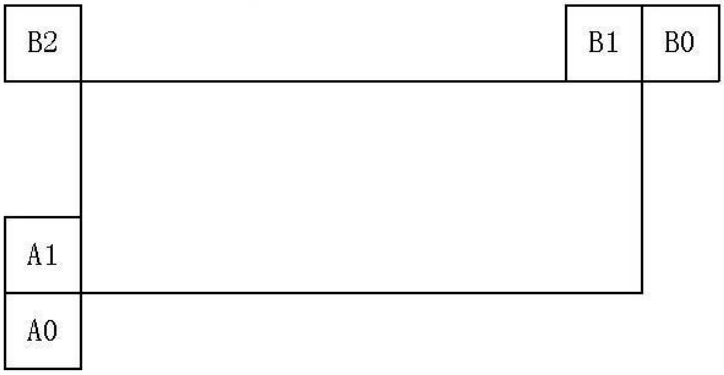


FIG. 5B

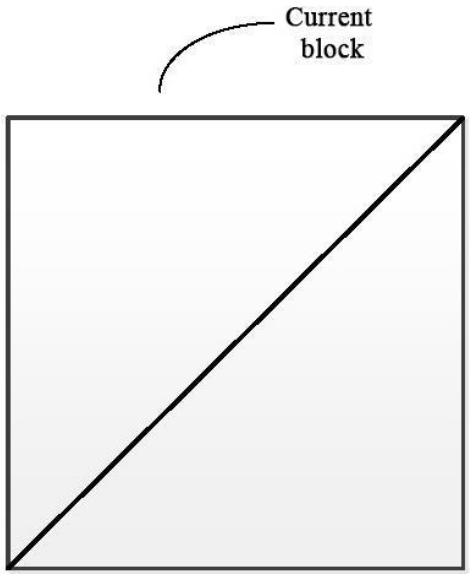


FIG. 6A

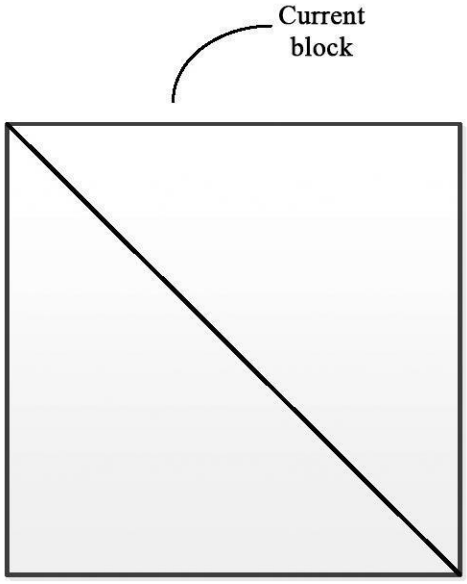


FIG. 6B

Index value	Unidirectional motion information corresponding to list 0	Unidirectional motion information corresponding to list 1
0	×	
1		×
2	×	
3		×
4	×	

FIG. 7A

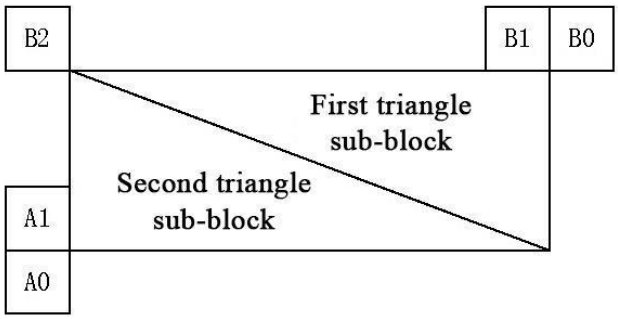


FIG. 7B

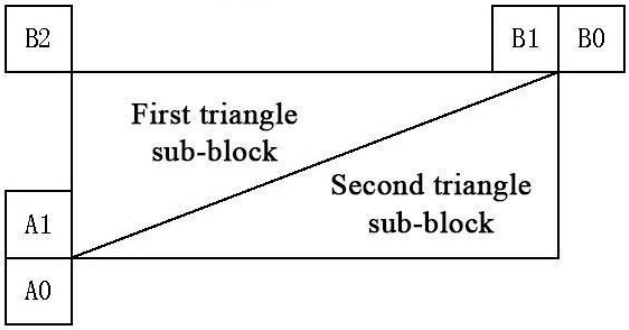


FIG. 7C

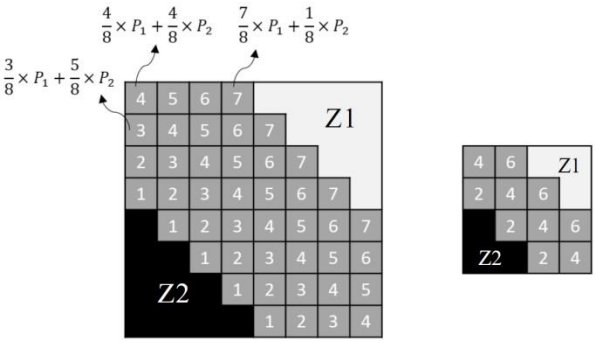


FIG. 7D

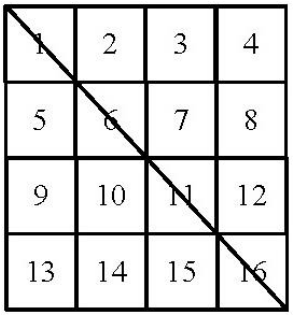


FIG. 7E

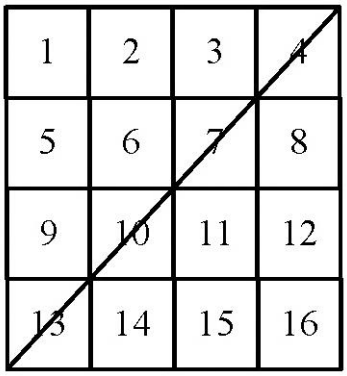


FIG. 7F

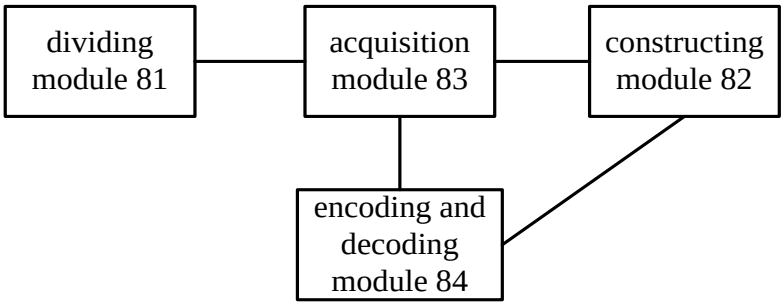


FIG. 8

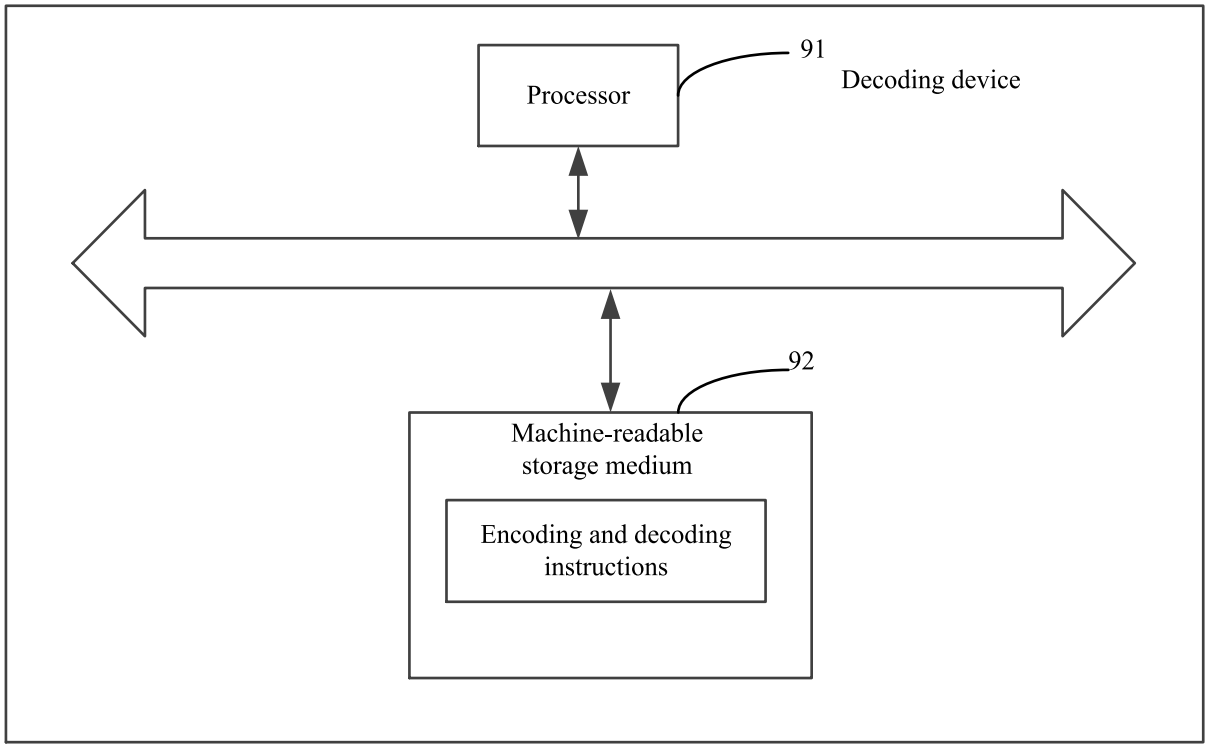

Processor
91
Decoding device
92
Machine-readable
storage medium
Encoding and decoding
instructions

FIG. 9A

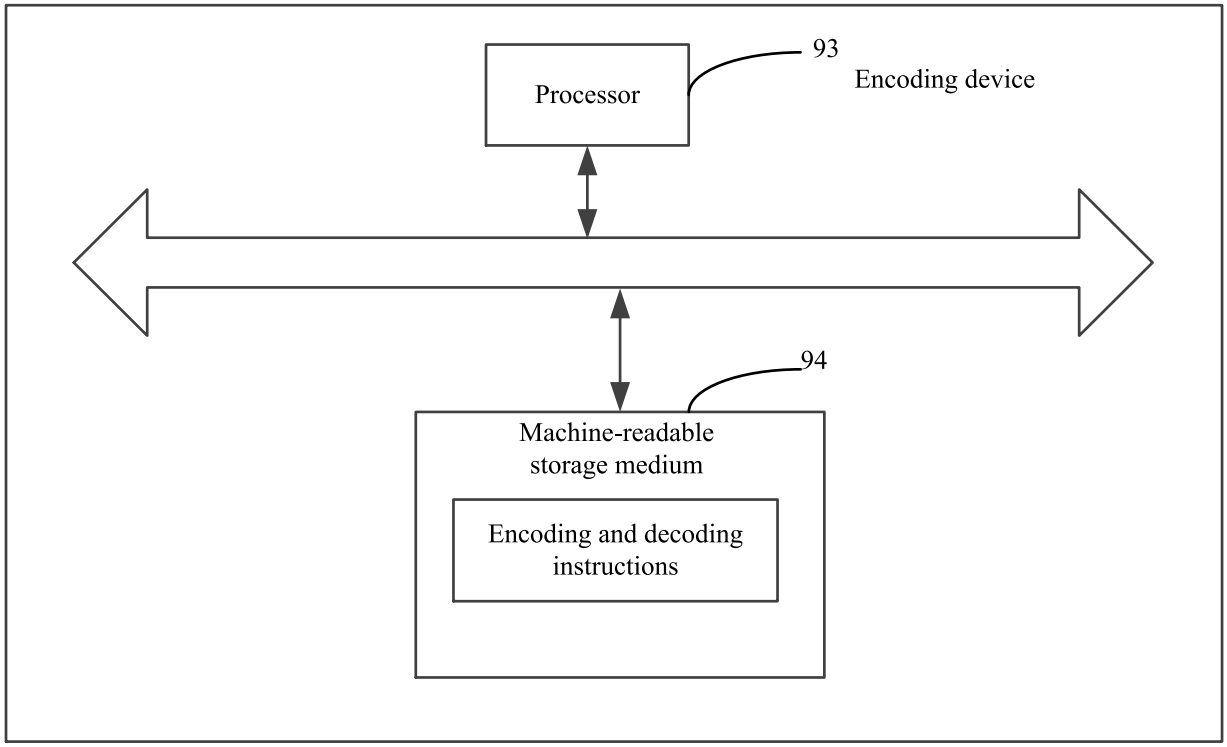

Processor
93
Encoding device
94
Machine-readable
storage medium
Encoding and decoding
instructions

FIG. 9B