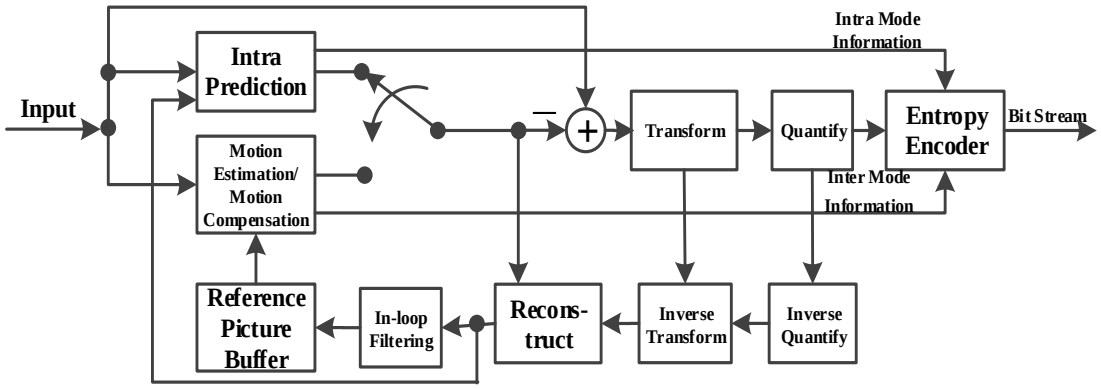
Intra Mode Information
Intra Prediction
Input
Motion Estimation/ Motion Compensation
Transform
Quantify
Entropy Encoder
Bit Stream
Inter Mode Information
Reference Picture Buffer
In-loop Filtering
Recons-truct
Inverse Transform
Inverse Quantify

FIG. 1

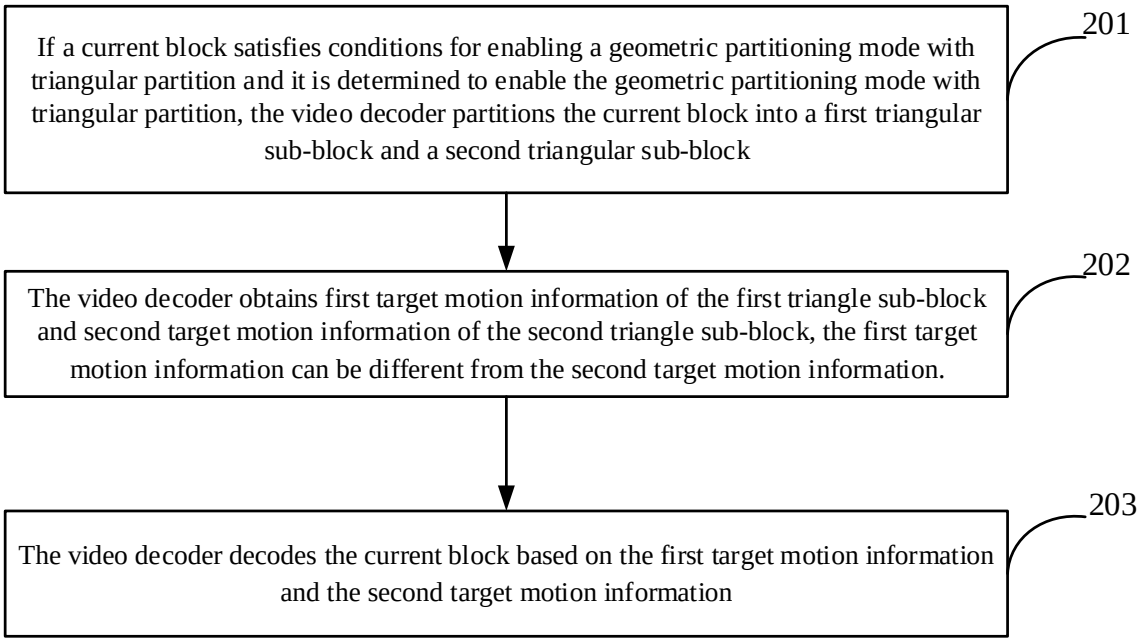
If a current block satisfies conditions for enabling a geometric partitioning mode with triangular partition and it is determined to enable the geometric partitioning mode with triangular partition, the video decoder partitions the current block into a first triangular sub-block and a second triangular sub-block
201
The video decoder obtains first target motion information of the first triangle sub-block and second target motion information of the second triangle sub-block, the first target motion information can be different from the second target motion information.
202
The video decoder decodes the current block based on the first target motion information and the second target motion information
203

FIG. 2

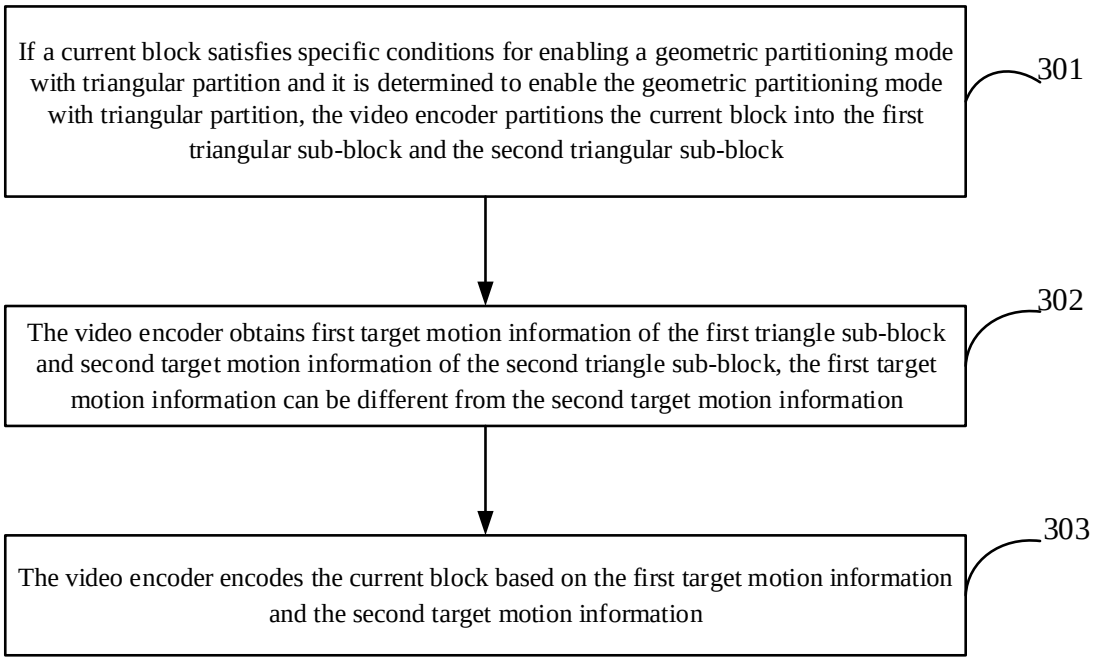

FIG. 3

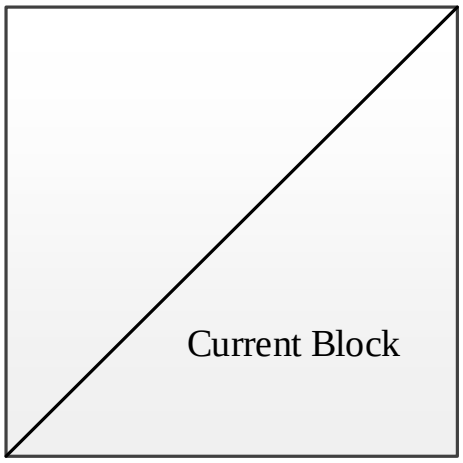

FIG. 4A

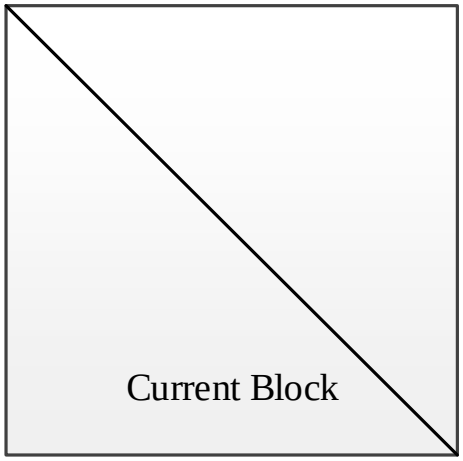

FIG. 4B

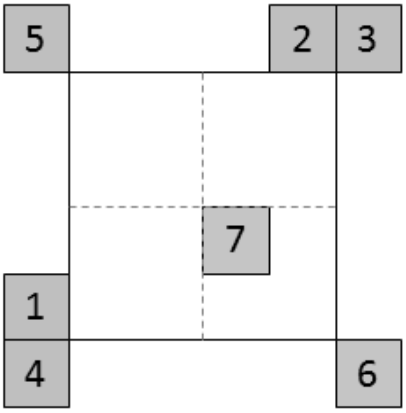

FIG. 5A

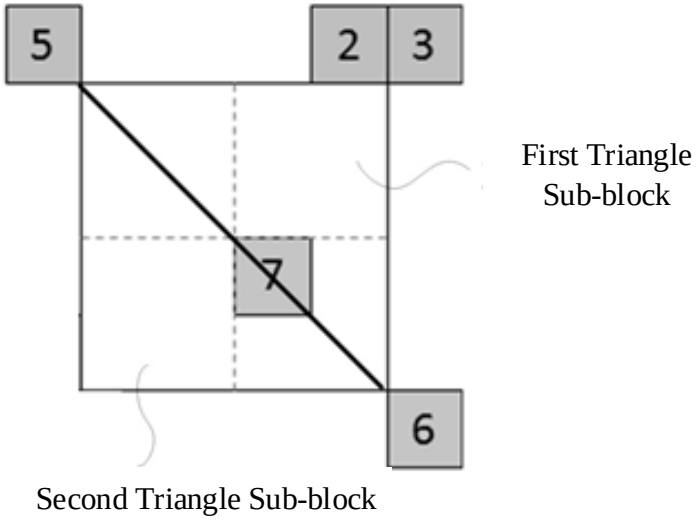

FIG. 5B

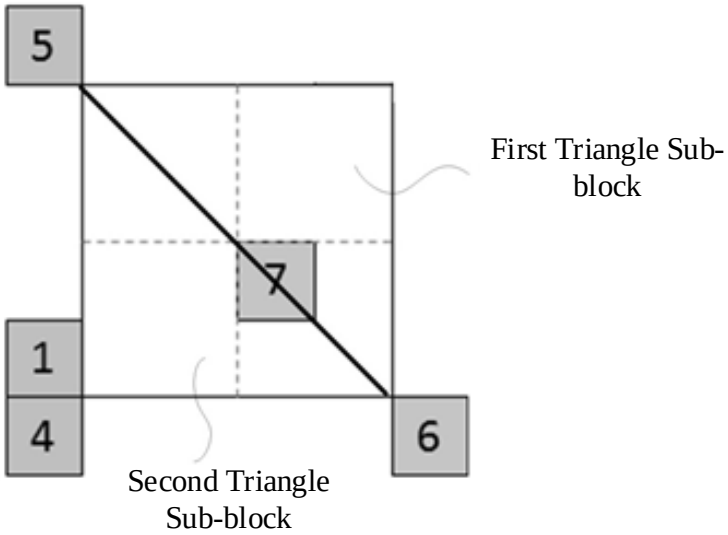

FIG. 5C

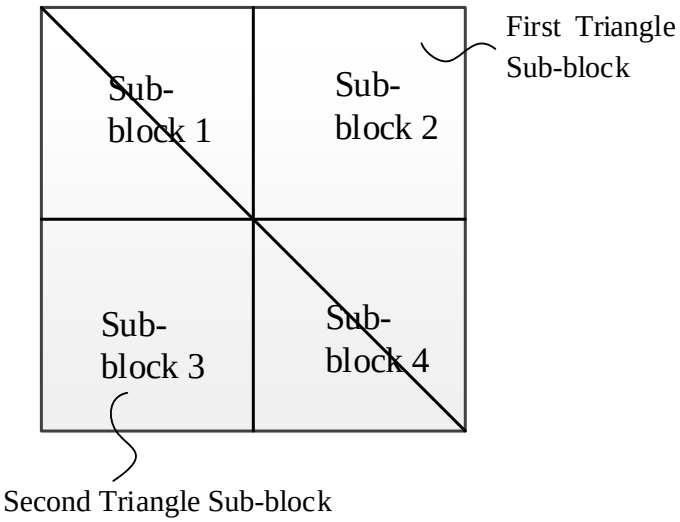
Sub-block 1
Sub-block 2
Sub-block 3
Sub-block 4
First Triangle Sub-block
Second Triangle Sub-block

FIG. 6A

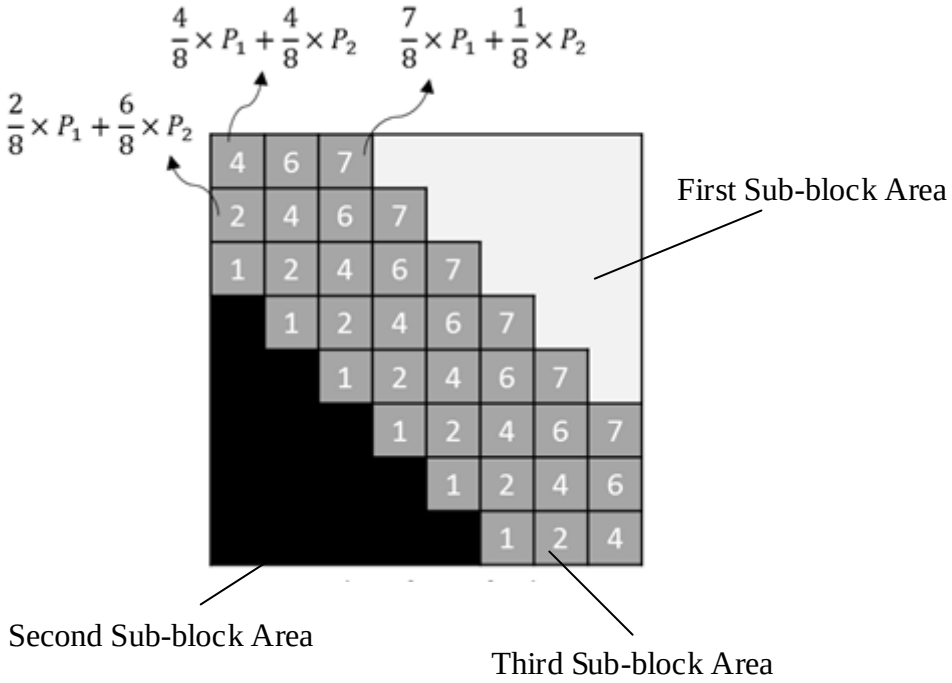
$\frac{4}{8}\times P_1+\frac{4}{8}\times P_2$
$\frac{7}{8}\times P_1+\frac{1}{8}\times P_2$
$\frac{2}{8}\times P_1+\frac{6}{8}\times P_2$
First Sub-block Area
Second Sub-block Area
Third Sub-block Area

FIG. 6B

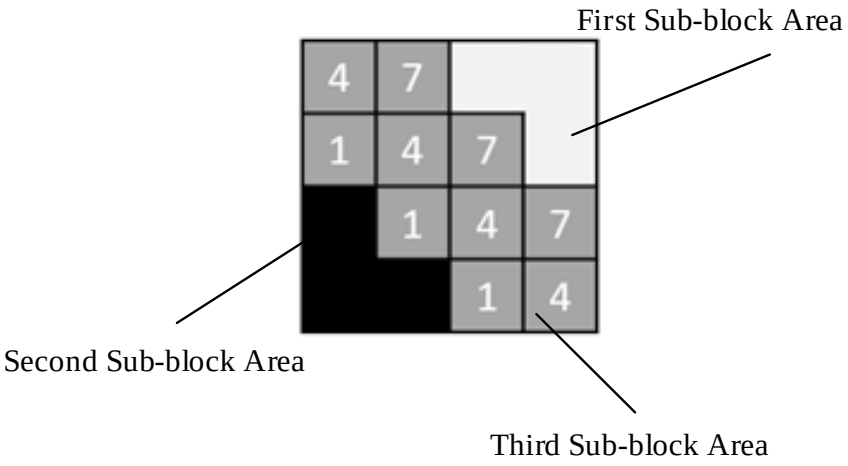

FIG. 6C

	MV1	MV1	MV1
MV2		MV1	MV1
MV2	MV2		MV1
MV2	MV2	MV2	

FIG. 7A

	MV1 MV2	MV1 MV2	MV1 MV2
MV3 MV4		MV1 MV2	MV1 MV2
MV3 MV4	MV3 MV4		MV1 MV2
MV3 MV4	MV3 MV4	MV3 MV4	

FIG. 7B

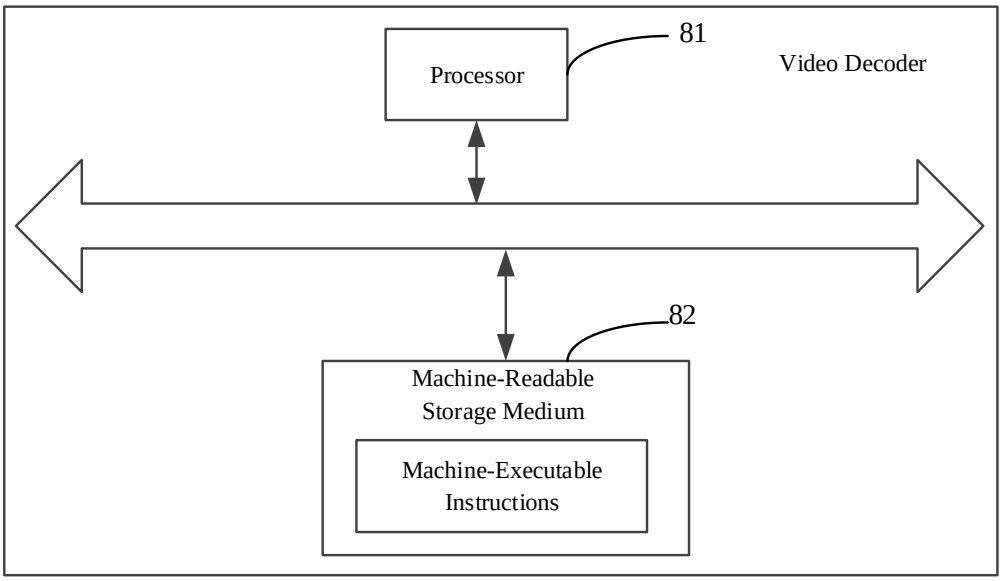
Processor
81
Video Decoder
82
Machine-Readable
Storage Medium
Machine-Executable
Instructions

FIG. 8

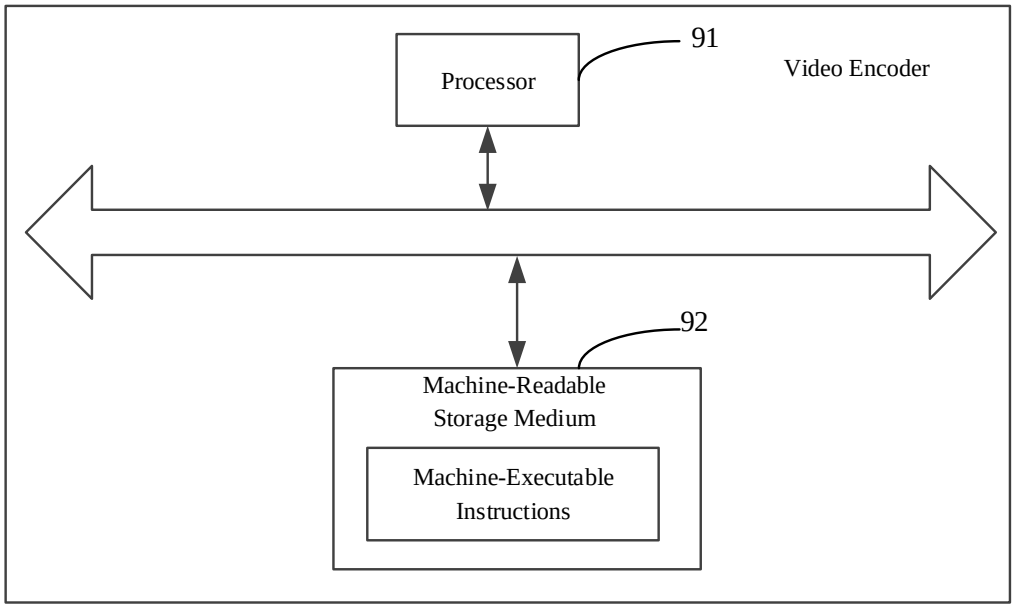
Processor
91
Video Encoder
92
Machine-Readable
Storage Medium
Machine-Executable
Instructions

FIG. 9