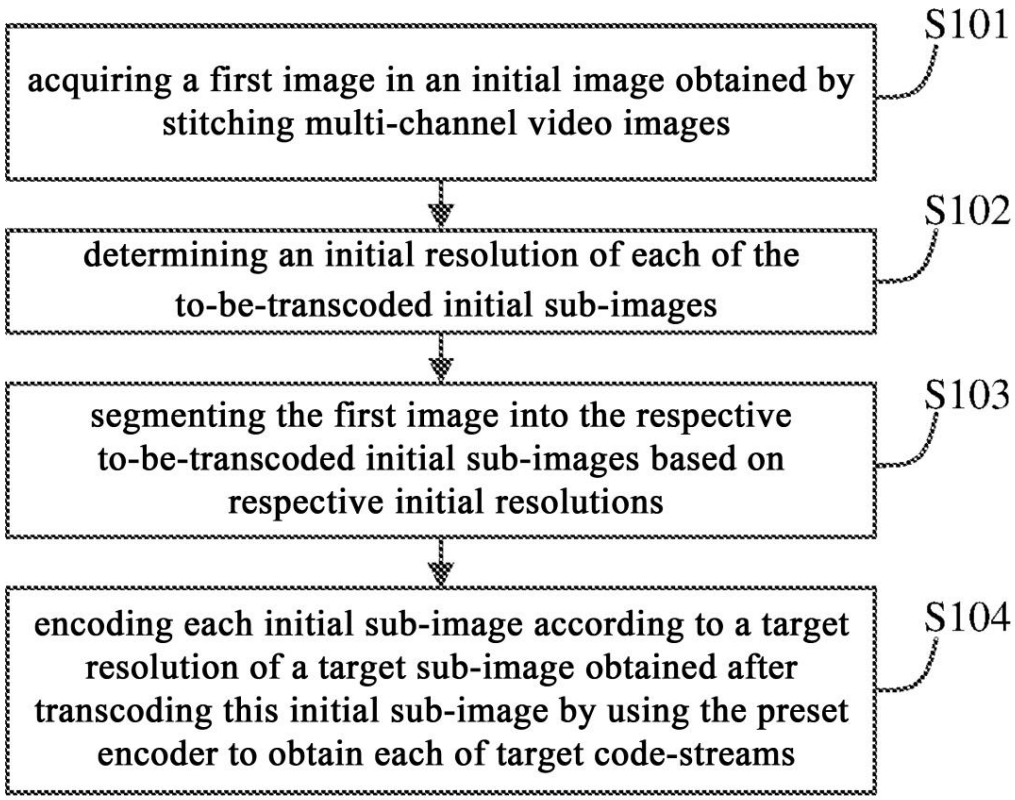

acquiring a first image in an initial image obtained by stitching multi-channel video images
S101
determining an initial resolution of each of the to-be-transcoded initial sub-images
S102
segmenting the first image into the respective to-be-transcoded initial sub-images based on respective initial resolutions
S103
encoding each initial sub-image according to a target resolution of a target sub-image obtained after transcoding this initial sub-image by using the preset encoder to obtain each of target code-streams
S104

FIG. 1

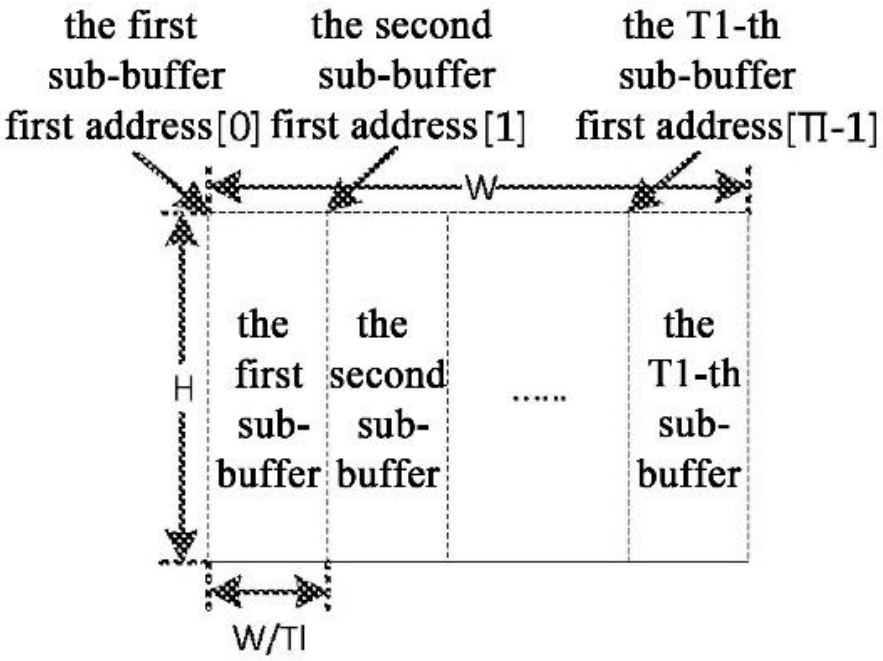

the first sub-buffer first address[0]
the second sub-buffer first address[1]
the T1-th sub-buffer first address[T1-1]
W
H
the first sub-buffer
the second sub-buffer
.....
the T1-th sub-buffer
W/T1

FIG. 2

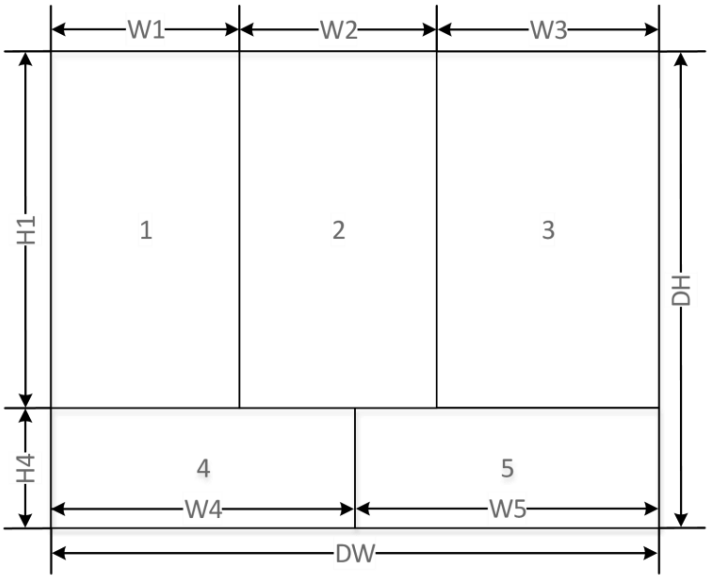

W1
W2
W3
H1
1
2
3
DH
H4
4
5
W4
W5
DW

FIG. 3

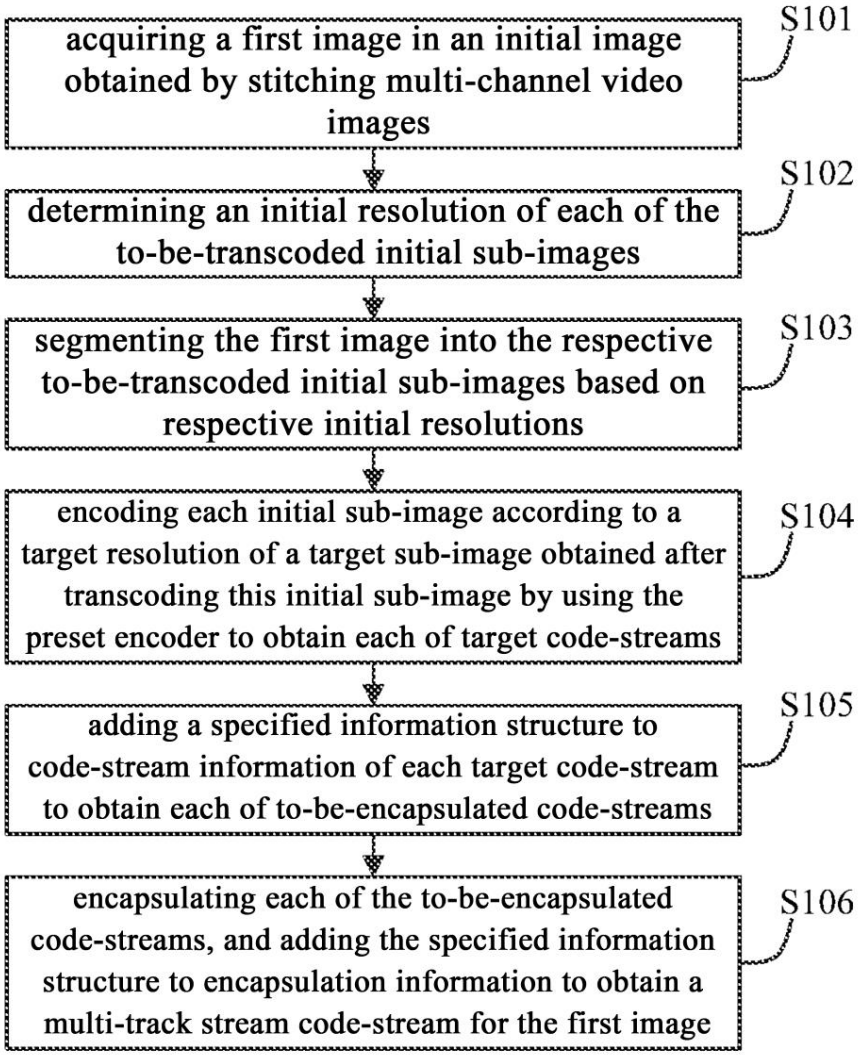

acquiring a first image in an initial image obtained by stitching multi-channel video images
S101
determining an initial resolution of each of the to-be-transcoded initial sub-images
S102
segmenting the first image into the respective to-be-transcoded initial sub-images based on respective initial resolutions
S103
encoding each initial sub-image according to a target resolution of a target sub-image obtained after transcoding this initial sub-image by using the preset encoder to obtain each of target code-streams
S104
adding a specified information structure to code-stream information of each target code-stream to obtain each of to-be-encapsulated code-streams
S105
encapsulating each of the to-be-encapsulated code-streams, and adding the specified information structure to encapsulation information to obtain a multi-track stream code-stream for the first image
S106

FIG. 4

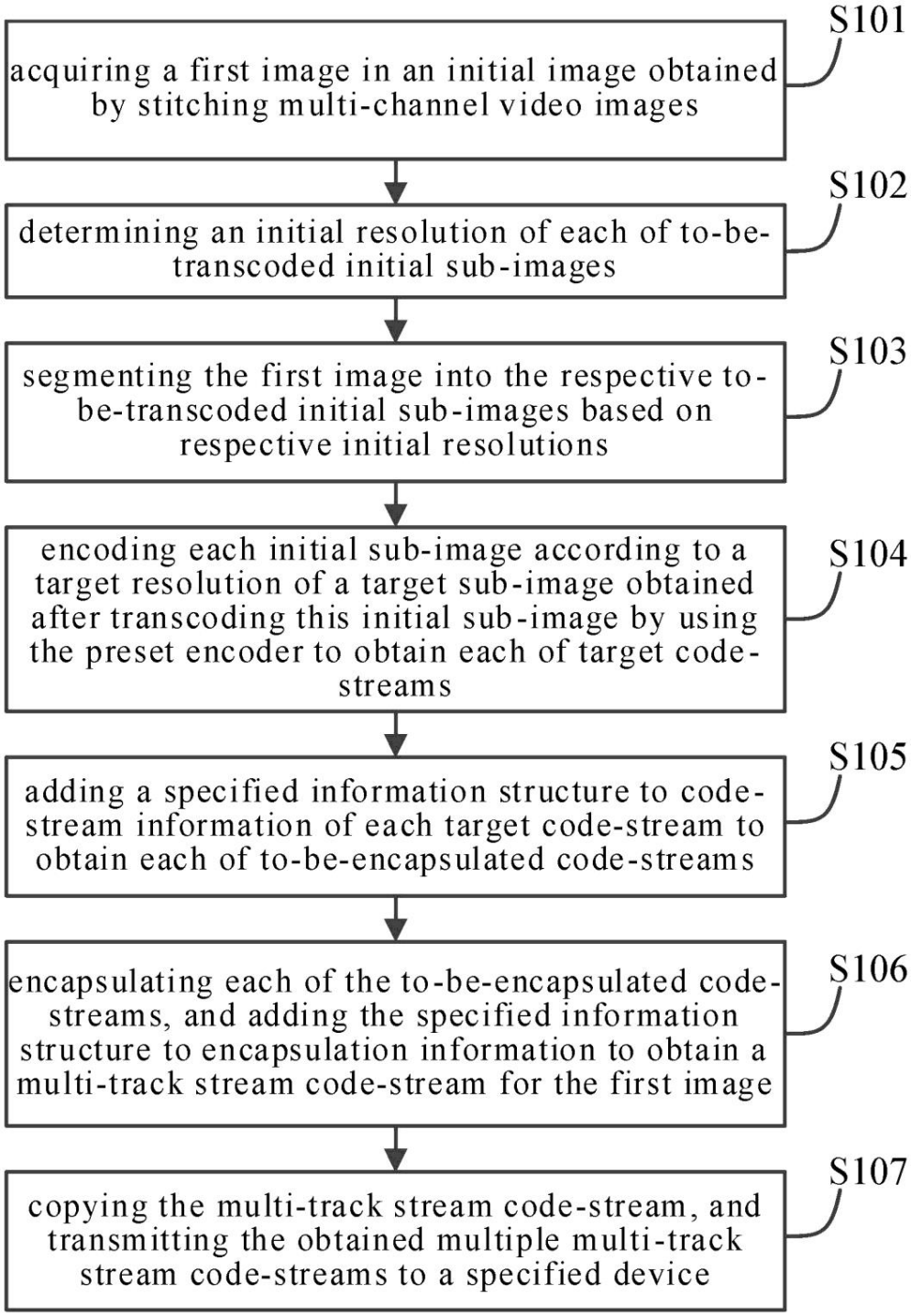

S101
acquiring a first image in an initial image obtained by stitching multi-channel video images
S102
determining an initial resolution of each of to-be-transcoded initial sub-images
S103
segmenting the first image into the respective to-be-transcoded initial sub-images based on respective initial resolutions
S104
encoding each initial sub-image according to a target resolution of a target sub-image obtained after transcoding this initial sub-image by using the preset encoder to obtain each of target code-streams
S105
adding a specified information structure to code-stream information of each target code-stream to obtain each of to-be-encapsulated code-streams
S106
encapsulating each of the to-be-encapsulated code-streams, and adding the specified information structure to encapsulation information to obtain a multi-track stream code-stream for the first image
S107
copying the multi-track stream code-stream, and transmitting the obtained multiple multi-track stream code-streams to a specified device

FIG. 5

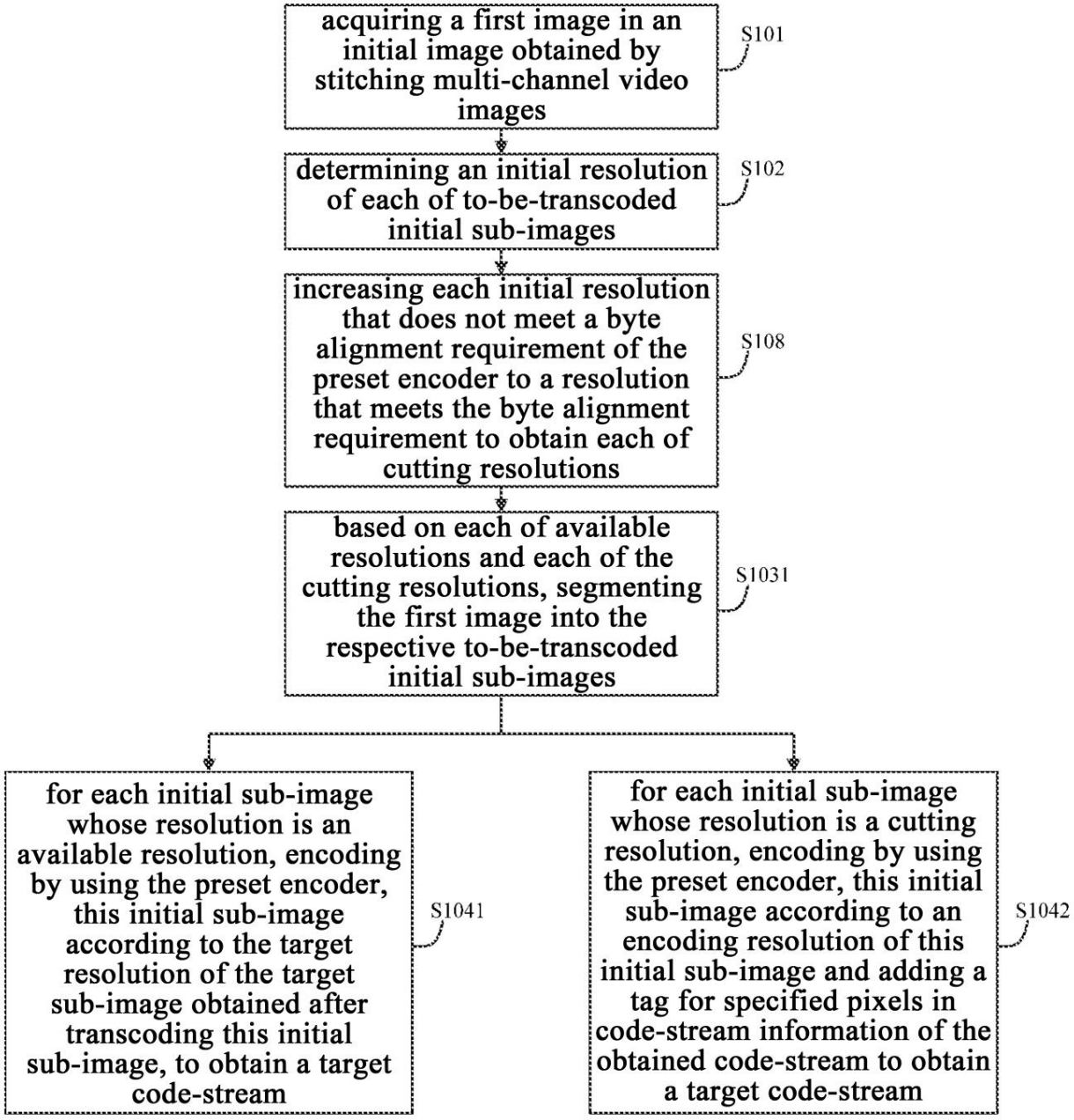

acquiring a first image in an initial image obtained by stitching multi-channel video images
S101
determining an initial resolution of each of to-be-transcoded initial sub-images
S102
increasing each initial resolution that does not meet a byte alignment requirement of the preset encoder to a resolution that meets the byte alignment requirement to obtain each of cutting resolutions
S108
based on each of available resolutions and each of the cutting resolutions, segmenting the first image into the respective to-be-transcoded initial sub-images
S1031
for each initial sub-image whose resolution is an available resolution, encoding by using the preset encoder, this initial sub-image according to the target resolution of the target sub-image obtained after transcoding this initial sub-image, to obtain a target code-stream
S1041
for each initial sub-image whose resolution is a cutting resolution, encoding by using the preset encoder, this initial sub-image according to an encoding resolution of this initial sub-image and adding a tag for specified pixels in code-stream information of the obtained code-stream to obtain a target code-stream
S1042

FIG. 6

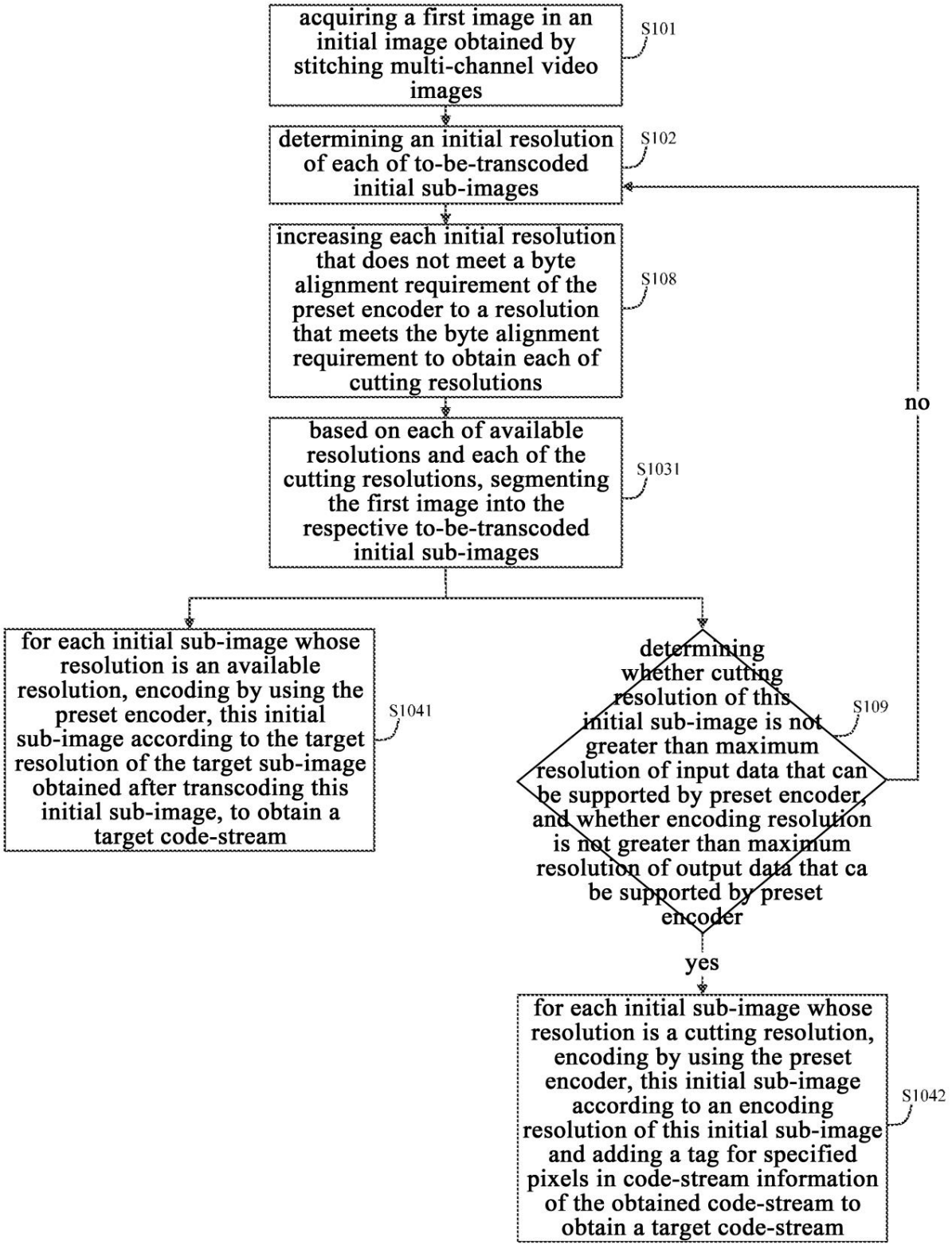

acquiring a first image in an initial image obtained by stitching multi-channel video images
S101
determining an initial resolution of each of to-be-transcoded initial sub-images
S102
increasing each initial resolution that does not meet a byte alignment requirement of the preset encoder to a resolution that meets the byte alignment requirement to obtain each of cutting resolutions
S108
based on each of available resolutions and each of the cutting resolutions, segmenting the first image into the respective to-be-transcoded initial sub-images
S1031
for each initial sub-image whose resolution is an available resolution, encoding by using the preset encoder, this initial sub-image according to the target resolution of the target sub-image obtained after transcoding this initial sub-image, to obtain a target code-stream
S1041
determining whether cutting resolution of this initial sub-image is not greater than maximum resolution of input data that can be supported by preset encoder, and whether encoding resolution is not greater than maximum resolution of output data that ca be supported by preset encoder
S109
no
yes
for each initial sub-image whose resolution is a cutting resolution, encoding by using the preset encoder, this initial sub-image according to an encoding resolution of this initial sub-image and adding a tag for specified pixels in code-stream information of the obtained code-stream to obtain a target code-stream
S1042

FIG. 7

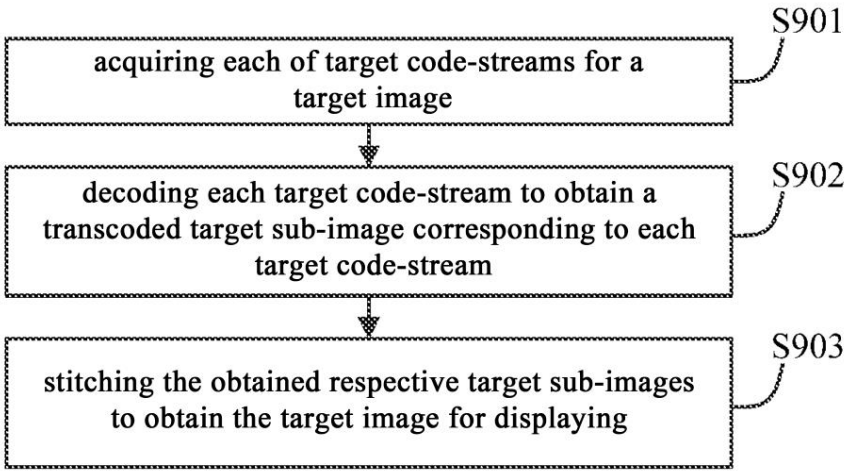


FIG. 8

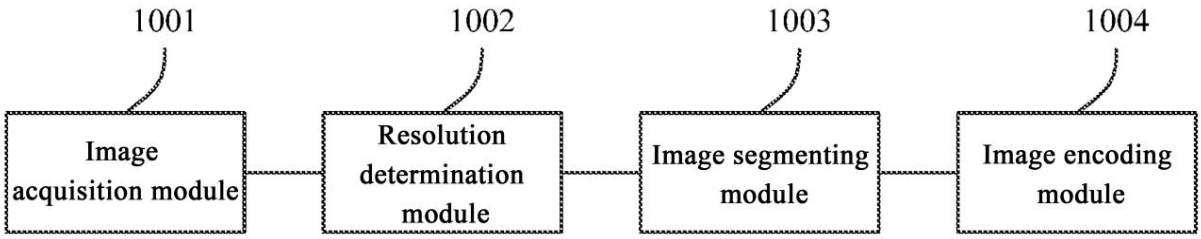


FIG. 9

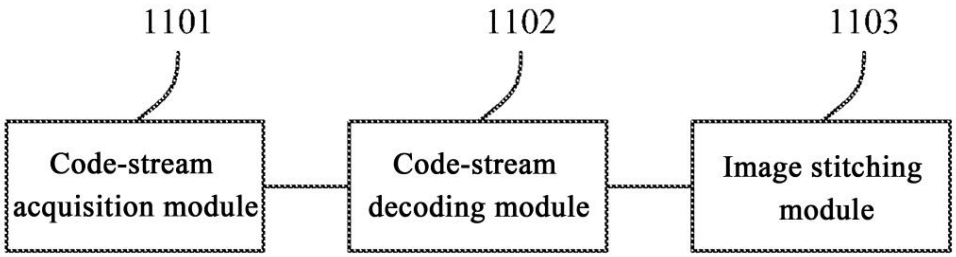


FIG. 10

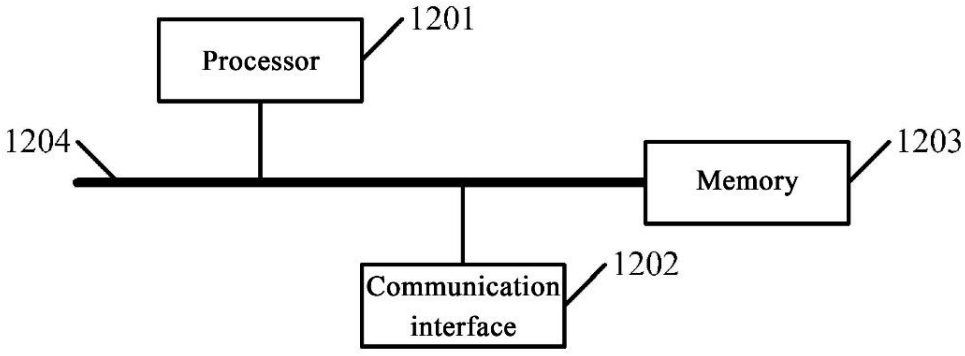


FIG. 11