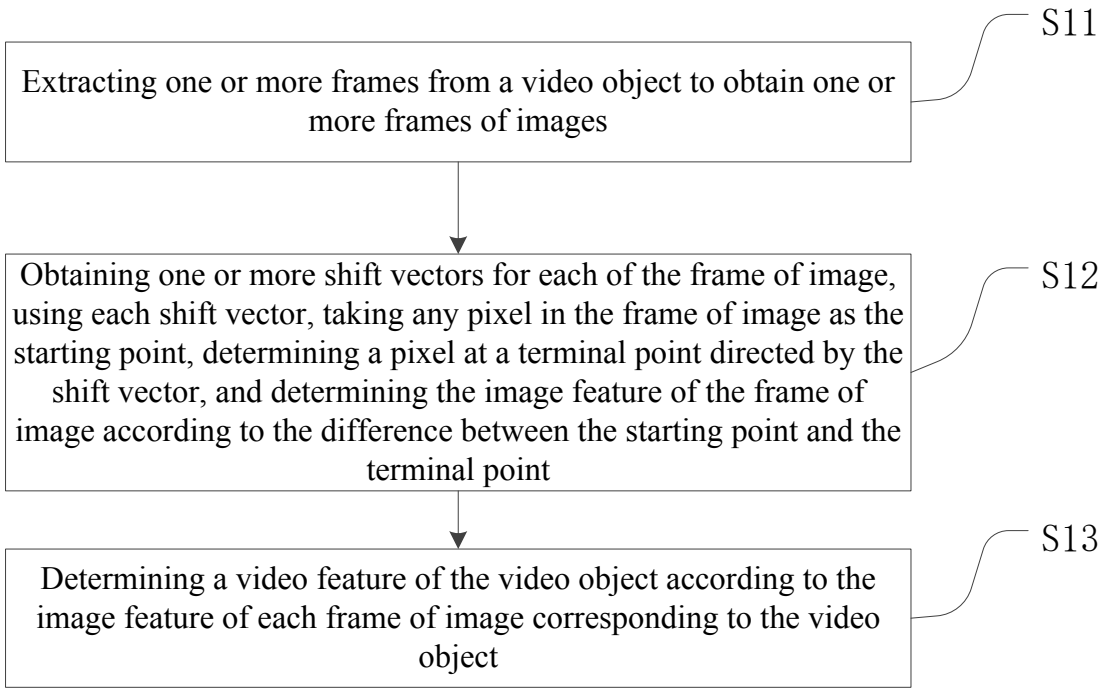

S11
Extracting one or more frames from a video object to obtain one or more frames of images
S12
Obtaining one or more shift vectors for each of the frame of image, using each shift vector, taking any pixel in the frame of image as the starting point, determining a pixel at a terminal point directed by the shift vector, and determining the image feature of the frame of image according to the difference between the starting point and the terminal point
S13
Determining a video feature of the video object according to the image feature of each frame of image corresponding to the video object

Fig. 1

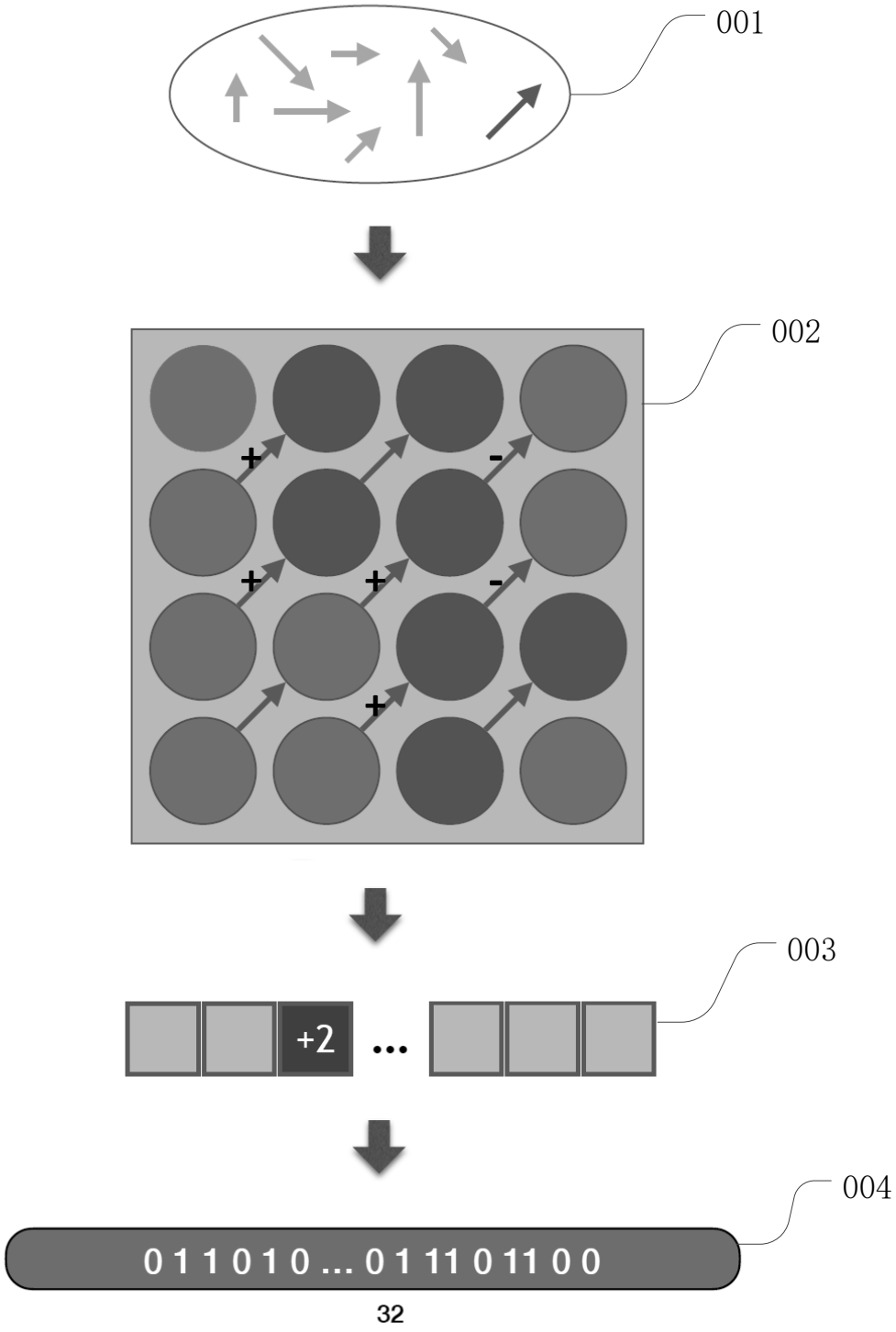


Fig. 2

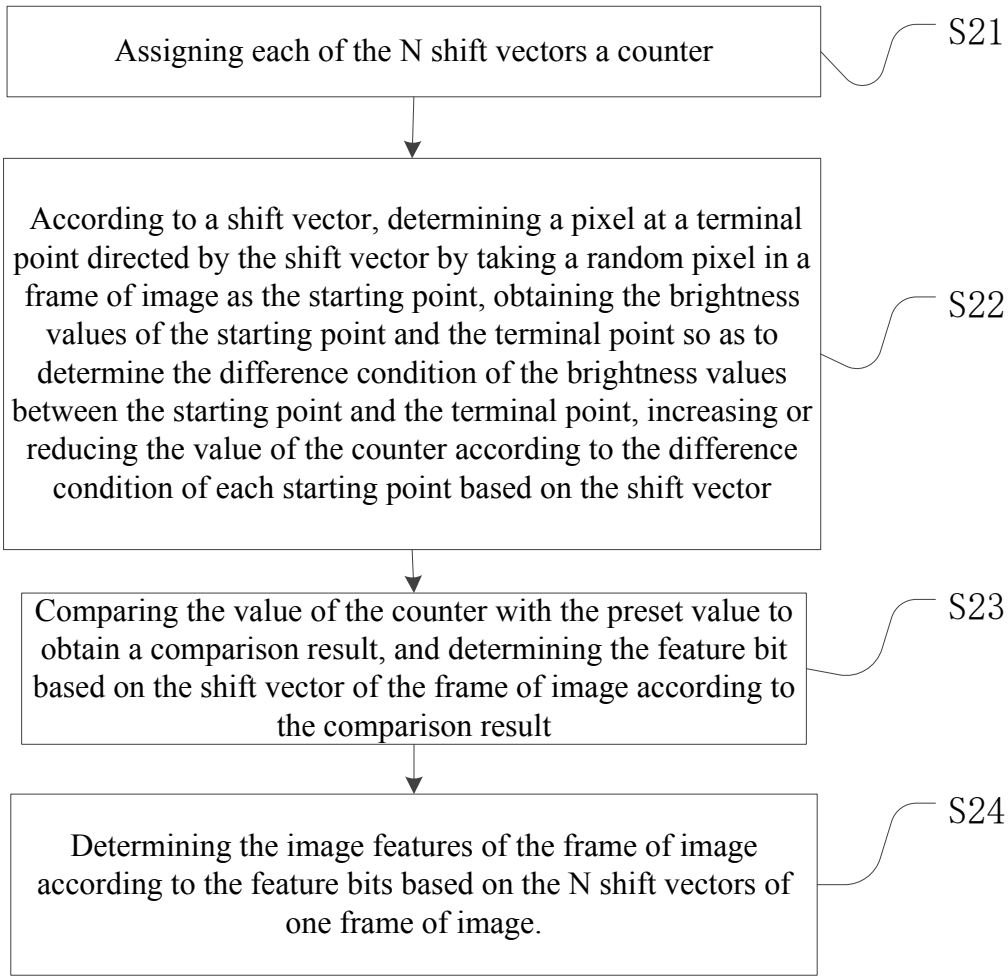

Assigning each of the N shift vectors a counter
S21
According to a shift vector, determining a pixel at a terminal point directed by the shift vector by taking a random pixel in a frame of image as the starting point, obtaining the brightness values of the starting point and the terminal point so as to determine the difference condition of the brightness values between the starting point and the terminal point, increasing or reducing the value of the counter according to the difference condition of each starting point based on the shift vector
S22
Comparing the value of the counter with the preset value to obtain a comparison result, and determining the feature bit based on the shift vector of the frame of image according to the comparison result
S23
Determining the image features of the frame of image according to the feature bits based on the N shift vectors of one frame of image.
S24

Fig. 3

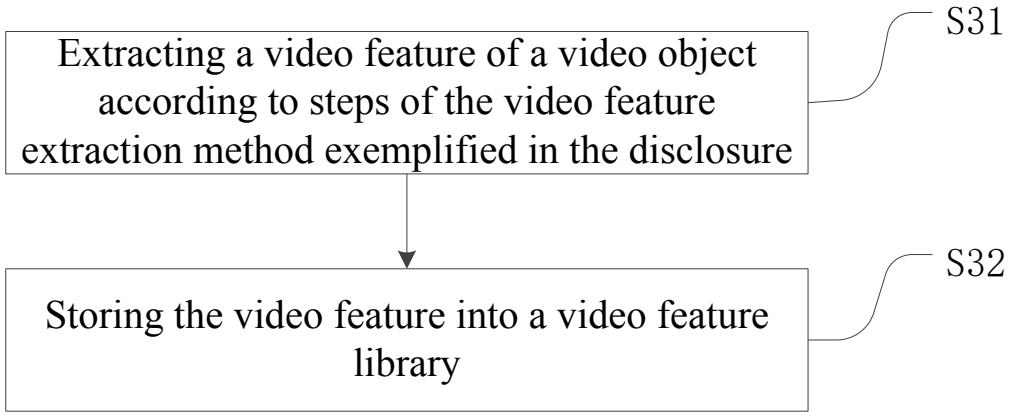

Extracting a video feature of a video object according to steps of the video feature extraction method exemplified in the disclosure
S31
Storing the video feature into a video feature library
S32

Fig. 4

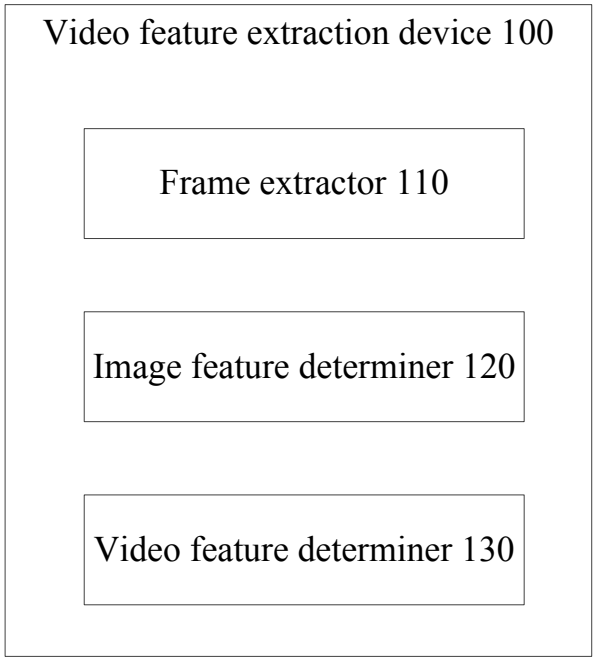

Video feature extraction device 100
Frame extractor 110
Image feature determiner 120
Video feature determiner 130

Fig. 5

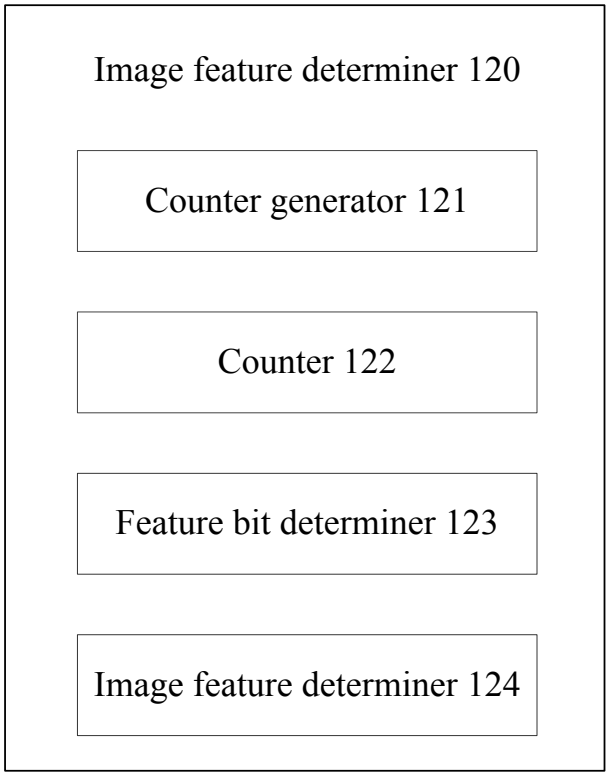

Image feature determiner 120
Counter generator 121
Counter 122
Feature bit determiner 123
Image feature determiner 124

Fig. 6

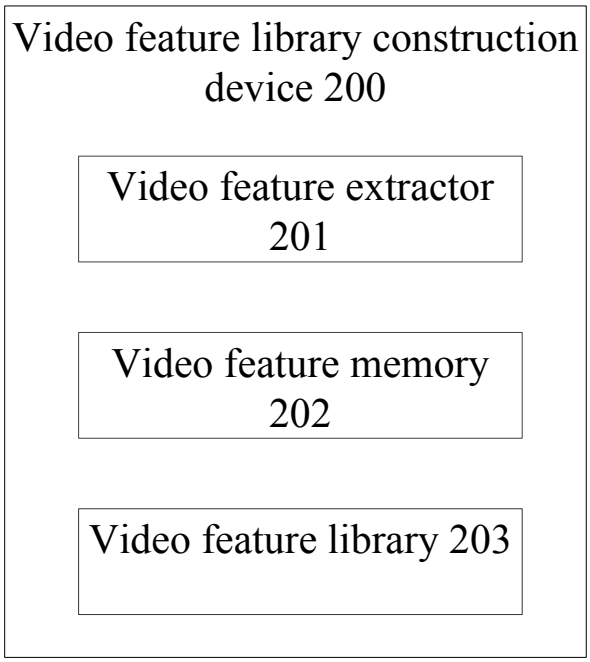

Video feature library construction device 200
Video feature extractor 201
Video feature memory 202
Video feature library 203

Fig. 7

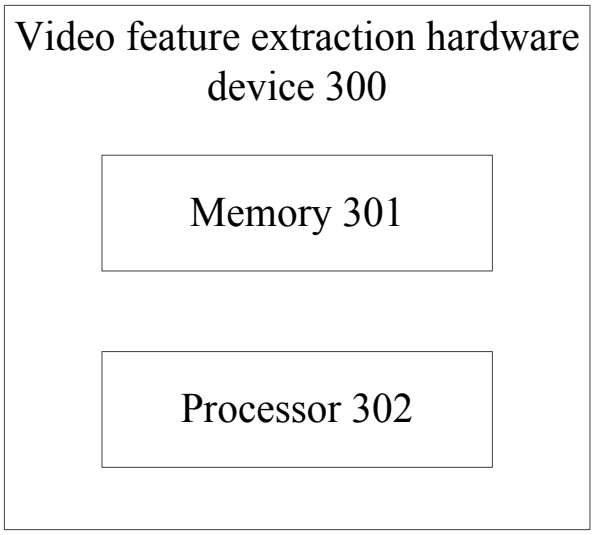

Video feature extraction hardware device 300
Memory 301
Processor 302

Fig. 8

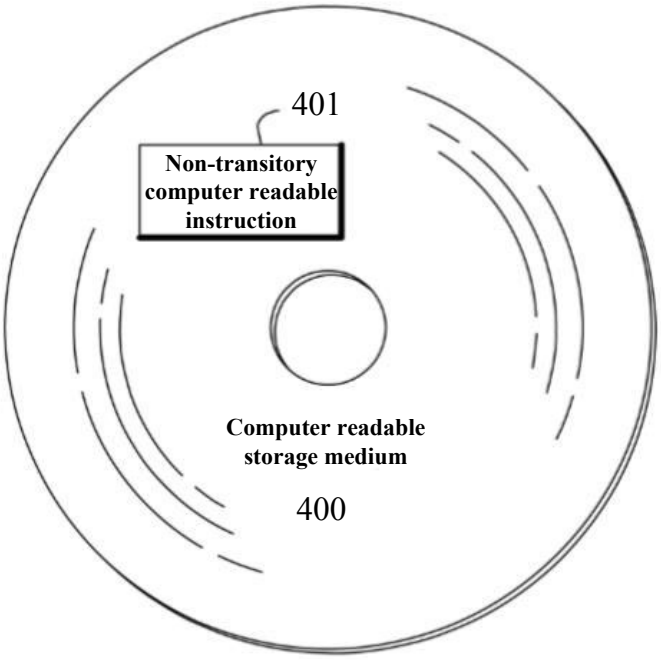

401
Non-transitory computer readable instruction
Computer readable storage medium
400

Fig. 9

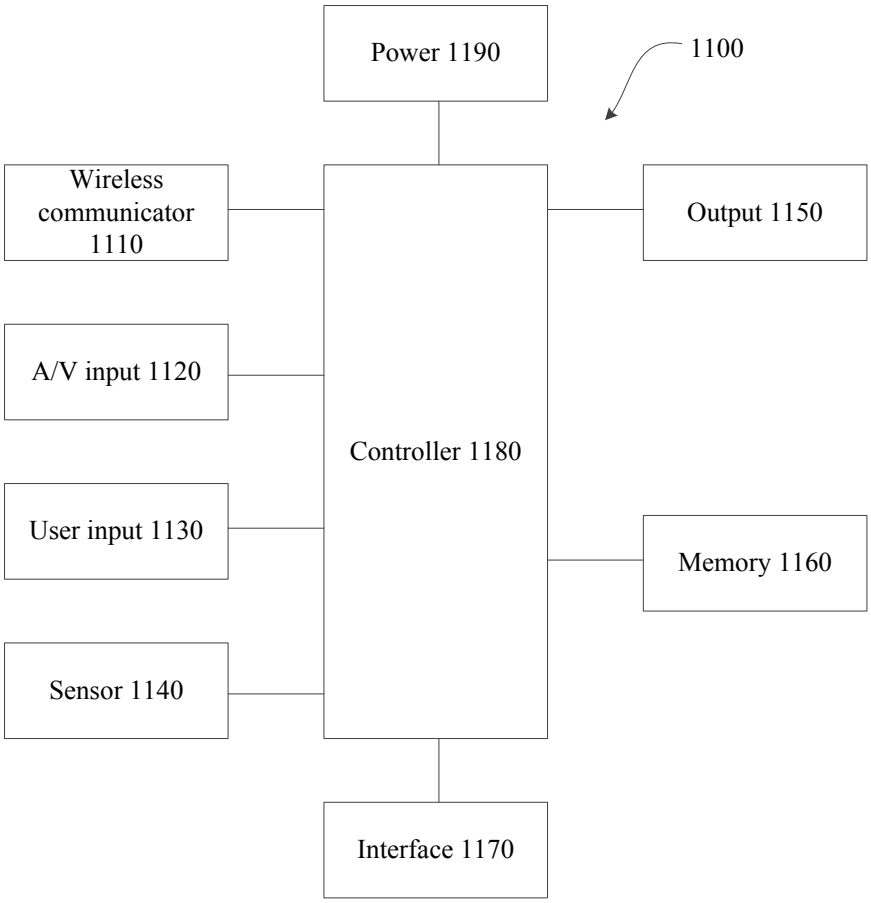

Power 1190
1100
Wireless communicator 1110
Output 1150
A/V input 1120
Controller 1180
User input 1130
Memory 1160
Sensor 1140
Interface 1170

Fig. 10