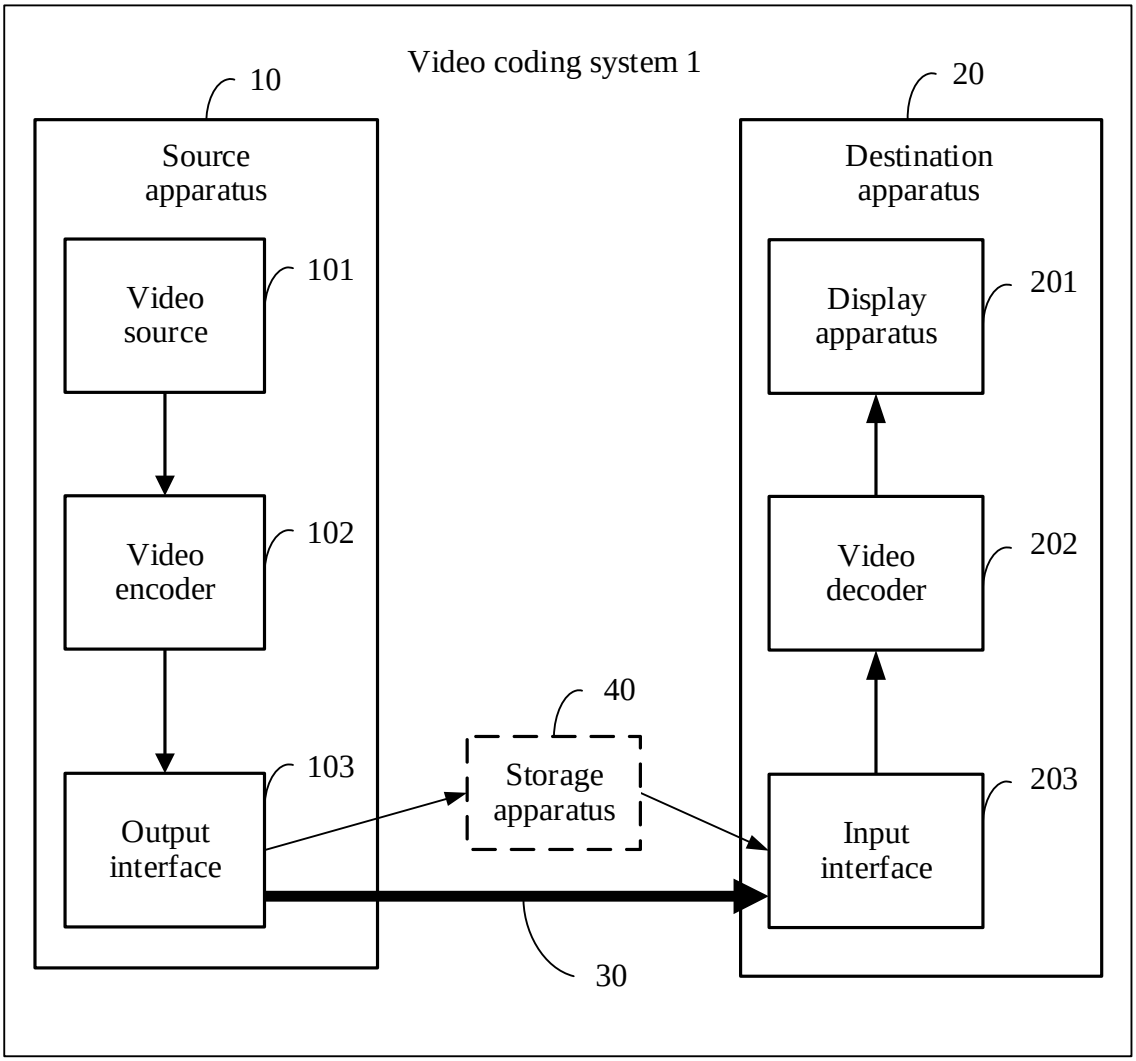

Video coding system 1
10
Source apparatus
Video source
101
Video encoder
102
Output interface
103
40
Storage apparatus
30
20
Destination apparatus
Display apparatus
201
Video decoder
202
Input interface
203

FIG. 1

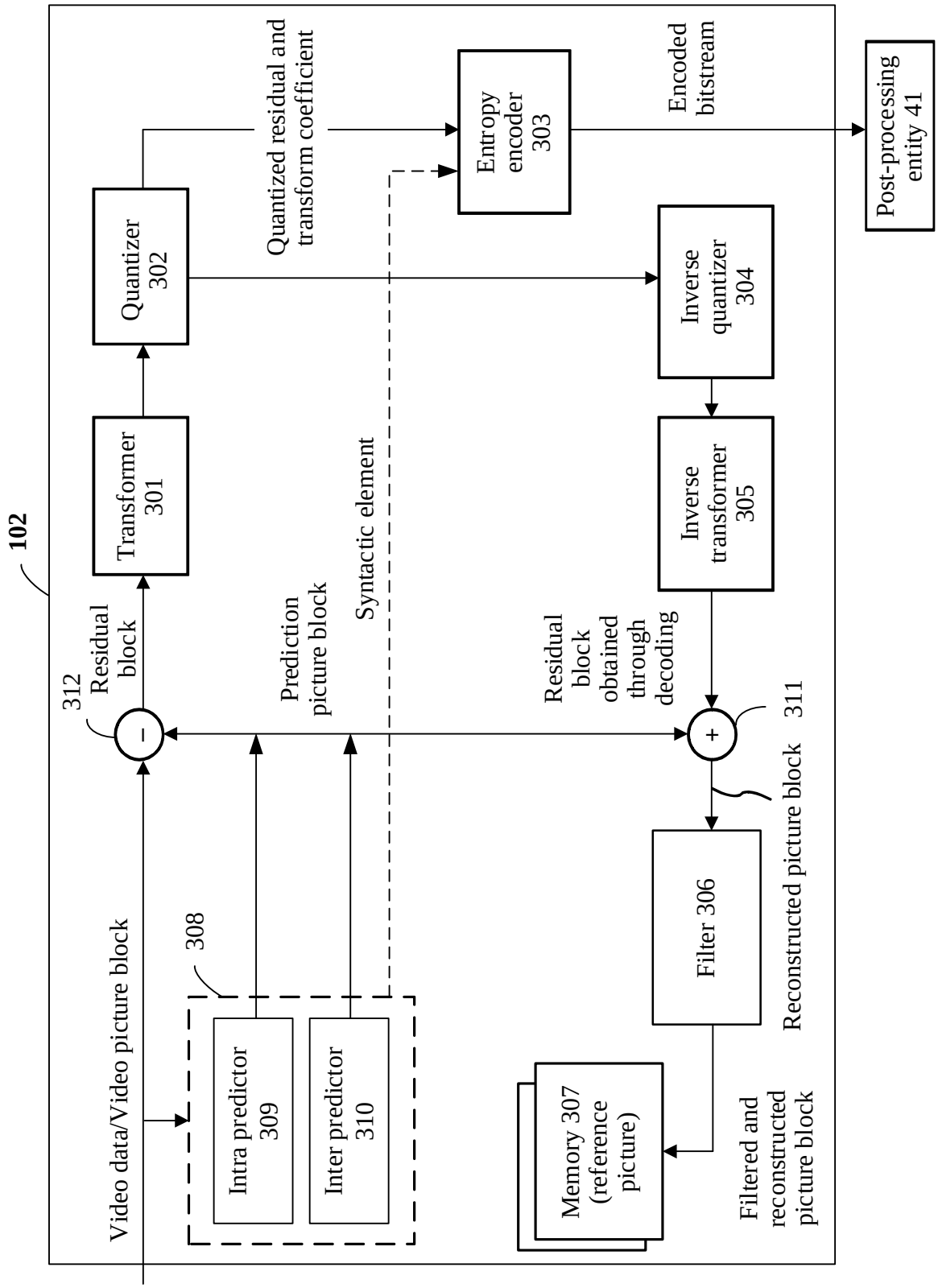

102
Video data/Video picture block
312
Residual block
Transformer 301
Quantizer 302
Quantized residual and transform coefficient
Entropy encoder 303
Encoded bitstream
Post-processing entity 41
Prediction picture block
Syntactic element
Inverse quantizer 304
Inverse transformer 305
Residual block obtained through decoding
311
Reconstructed picture block
308
Intra predictor 309
Inter predictor 310
Filter 306
Memory 307 (reference picture)
Filtered and reconstructed picture block

FIG. 2

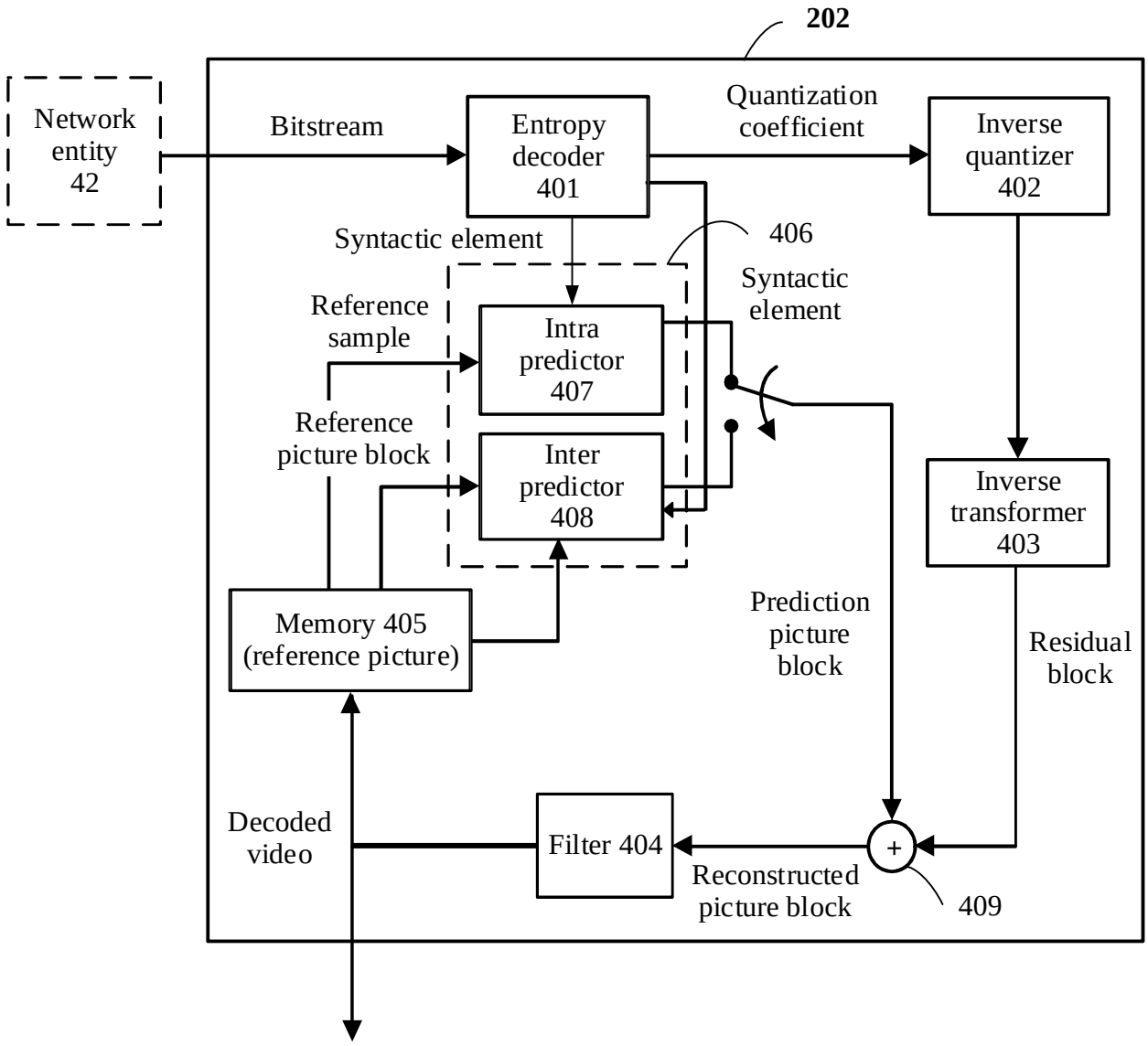

202
Network entity 42
Bitstream
Entropy decoder 401
Quantization coefficient
Inverse quantizer 402
Syntactic element
406
Syntactic element
Reference sample
Intra predictor 407
Reference picture block
Inter predictor 408
Inverse transformer 403
Memory 405 (reference picture)
Prediction picture block
Residual block
Decoded video
Filter 404
+
Reconstructed picture block
409

FIG. 3

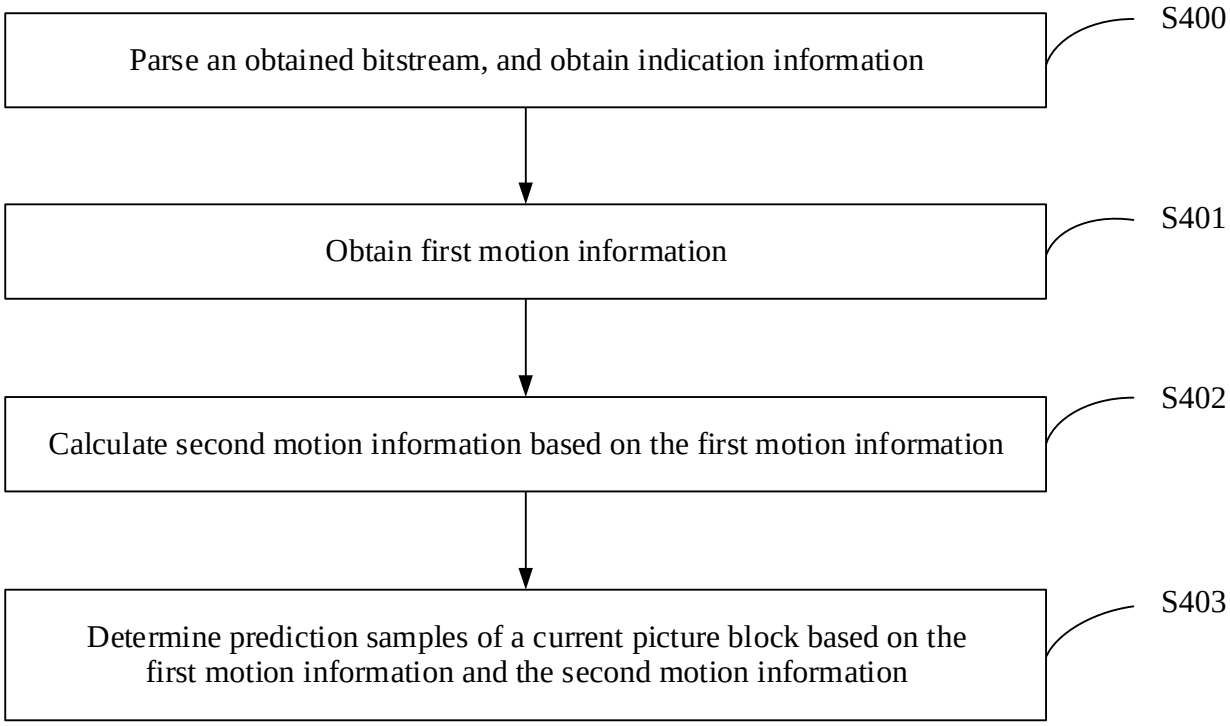

Parse an obtained bitstream, and obtain indication information
S400
Obtain first motion information
S401
Calculate second motion information based on the first motion information
S402
Determine prediction samples of a current picture block based on the first motion information and the second motion information
S403

FIG. 4

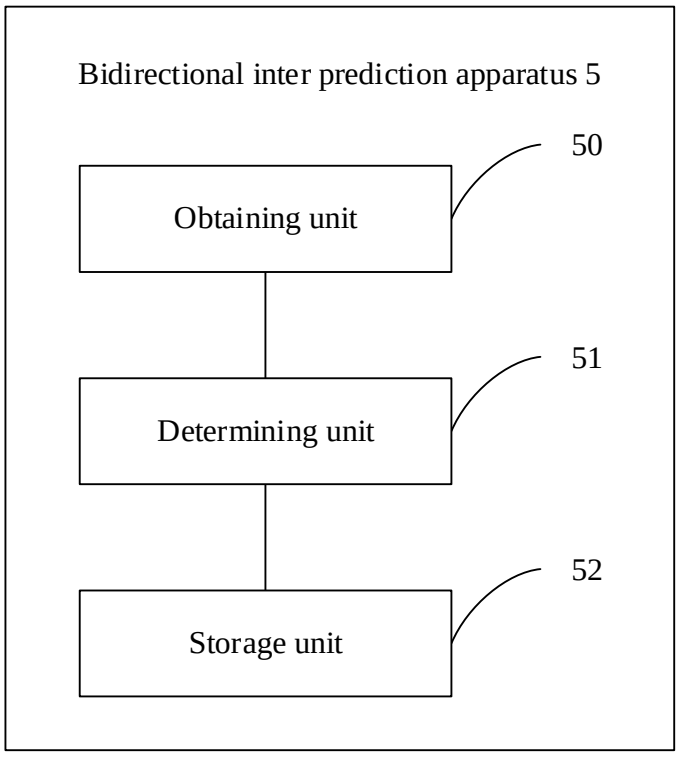

Bidirectional inter prediction apparatus 5
Obtaining unit
50
Determining unit
51
Storage unit
52

FIG. 5

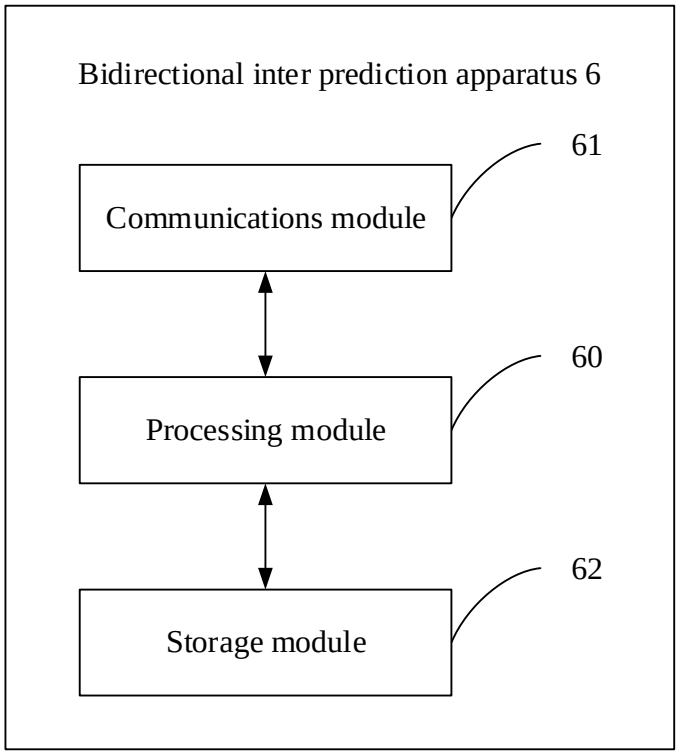

Bidirectional inter prediction apparatus 6
61
Communications module
60
Processing module
62
Storage module

FIG. 6