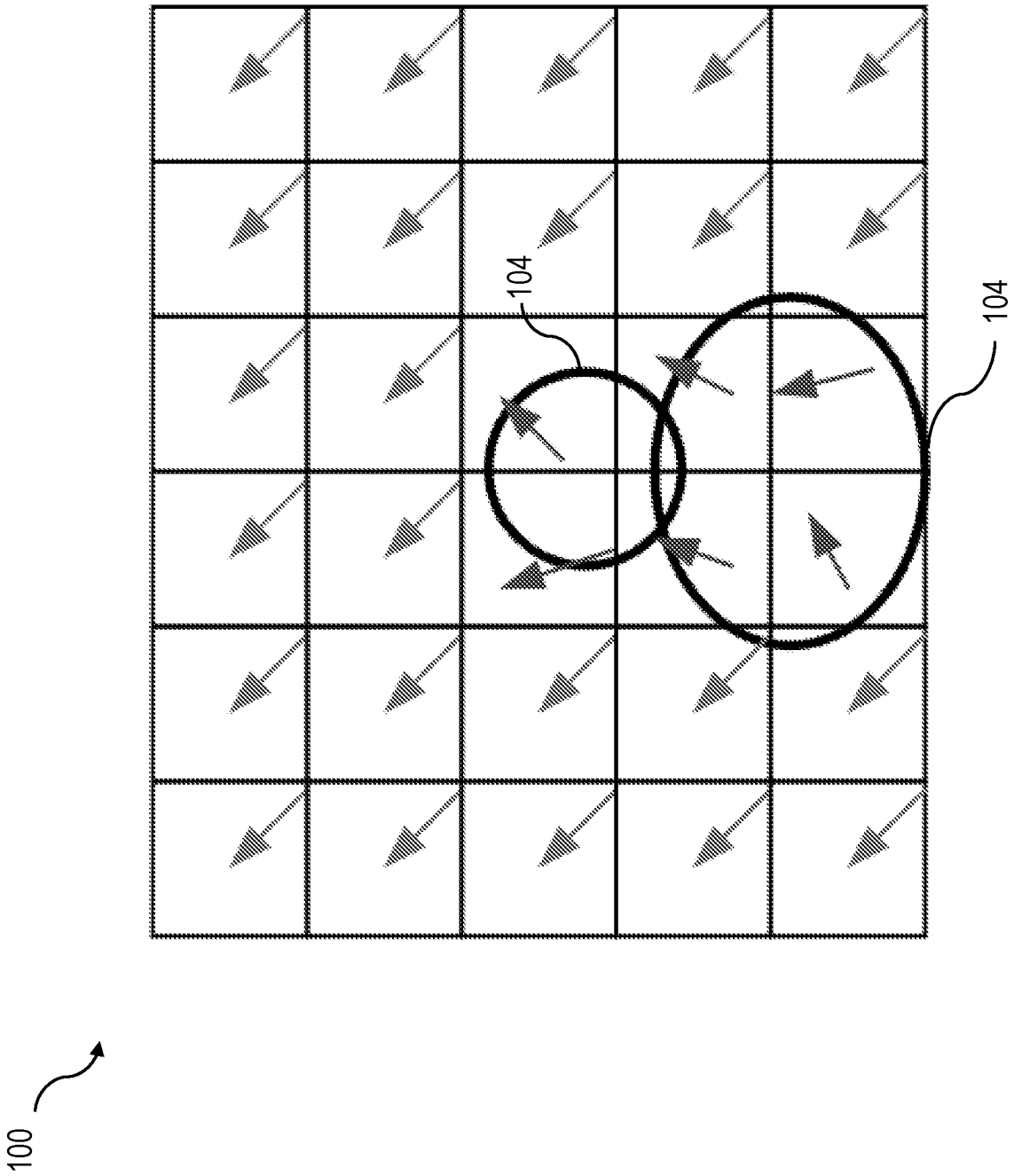


FIG. 1

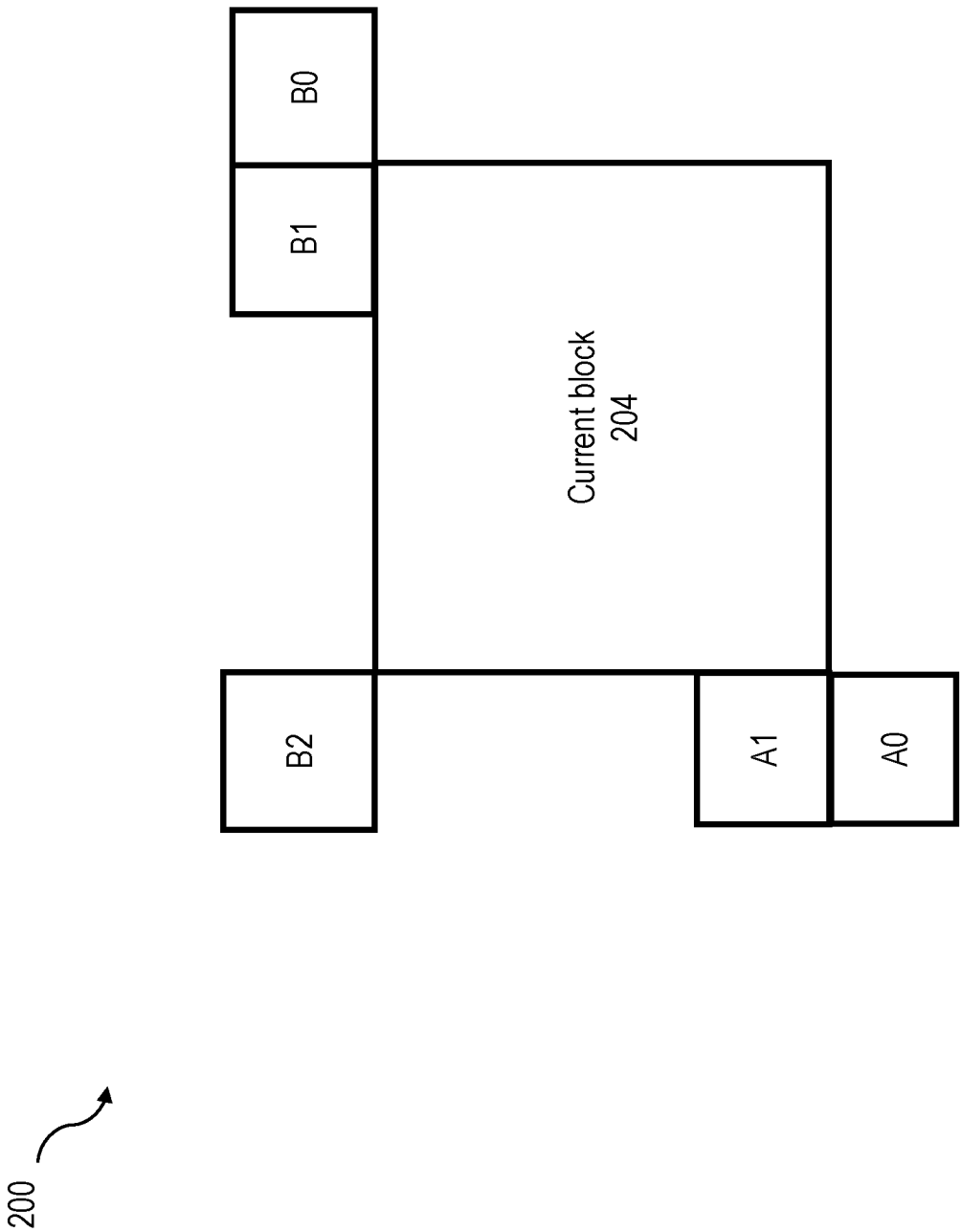


FIG. 2

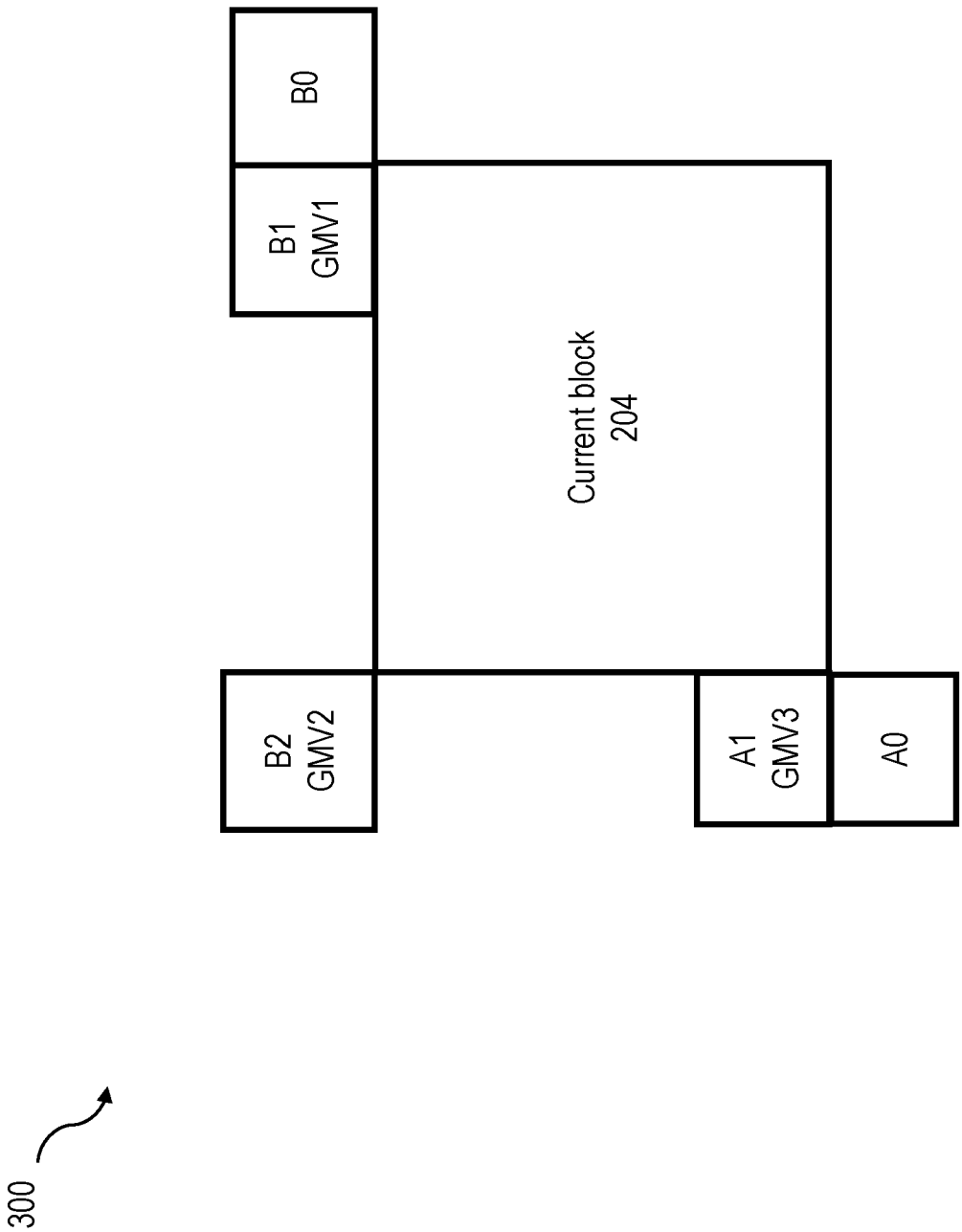


FIG. 3

400

MotionModelIdc[x][y]	Motion model for motion compensation
0	Translational motion
1	4-parameter affine motion
2	6-parameter affine motion

FIG. 4

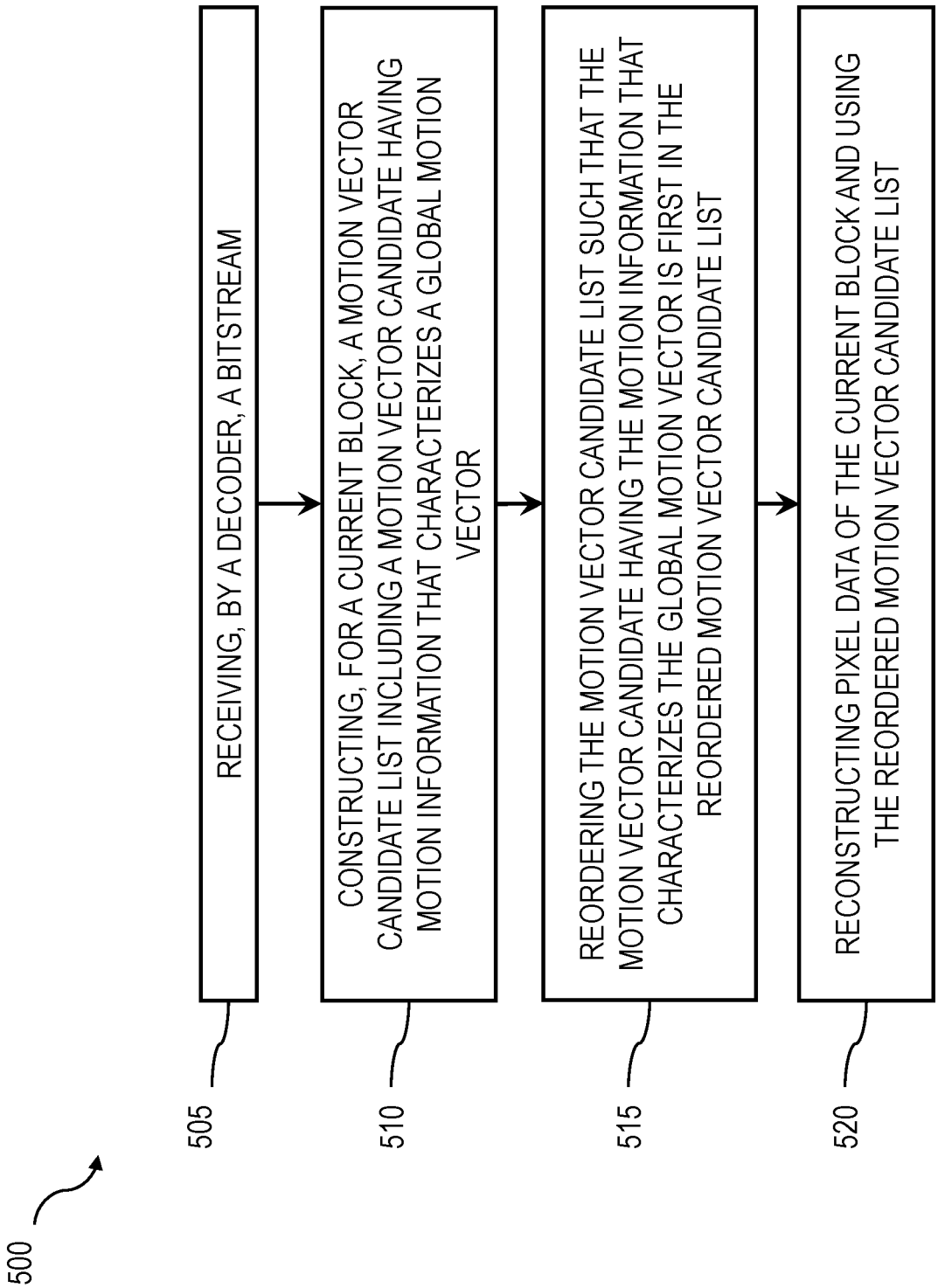

500
505
RECEIVING, BY A DECODER, A BITSTREAM
510
CONSTRUCTING, FOR A CURRENT BLOCK, A MOTION VECTOR CANDIDATE LIST INCLUDING A MOTION VECTOR CANDIDATE HAVING MOTION INFORMATION THAT CHARACTERIZES A GLOBAL MOTION VECTOR
515
REORDERING THE MOTION VECTOR CANDIDATE LIST SUCH THAT THE MOTION VECTOR CANDIDATE HAVING THE MOTION INFORMATION THAT CHARACTERIZES THE GLOBAL MOTION VECTOR IS FIRST IN THE REORDERED MOTION VECTOR CANDIDATE LIST
520
RECONSTRUCTING PIXEL DATA OF THE CURRENT BLOCK AND USING THE REORDERED MOTION VECTOR CANDIDATE LIST

FIG. 5

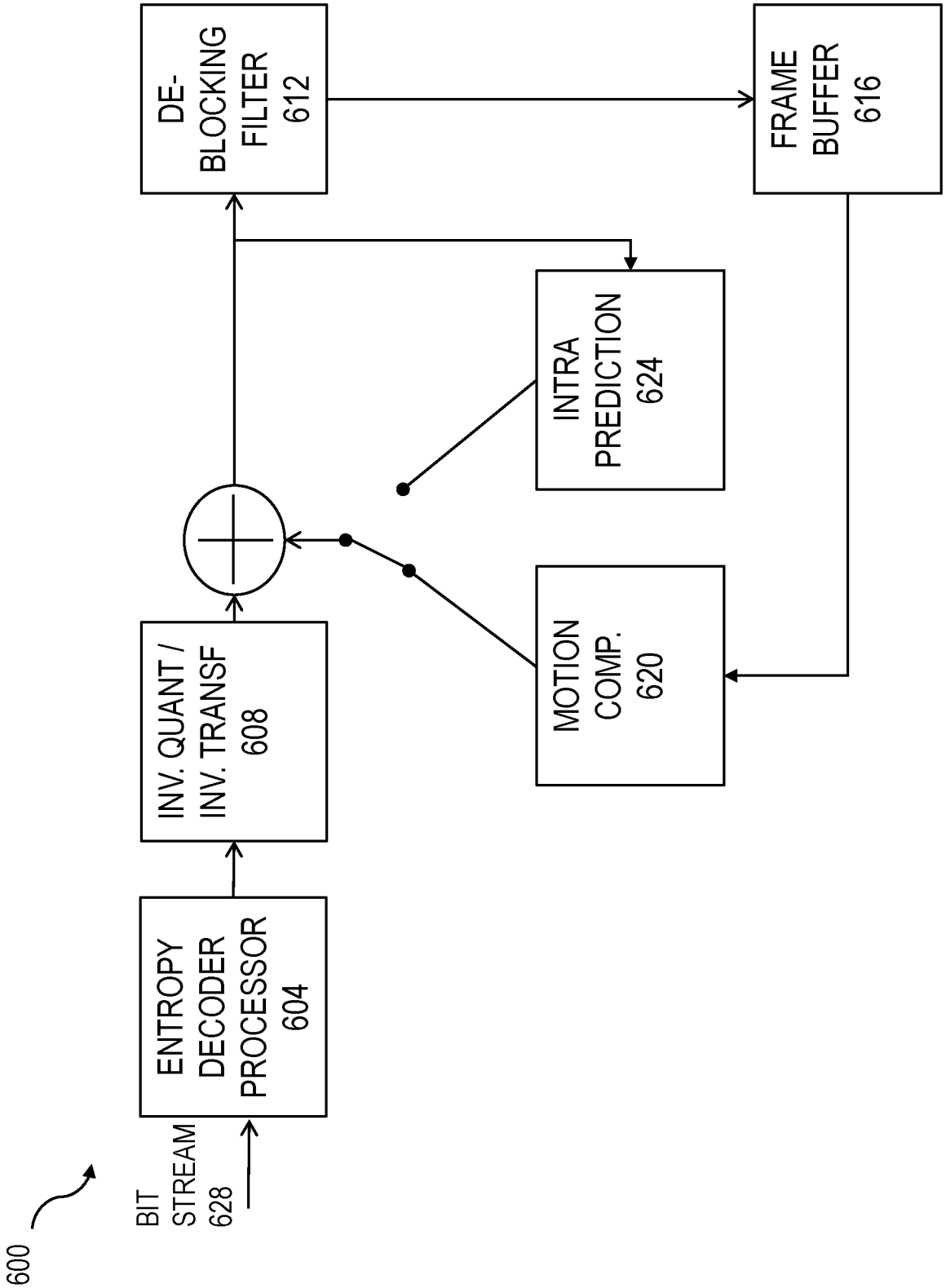

600
BIT STREAM 628
ENTROPY DECODER PROCESSOR 604
INV. QUANT / INV. TRANSF 608
MOTION COMP. 620
INTRA PREDICTION 624
DE-BLOCKING FILTER 612
FRAME BUFFER 616

FIG. 6

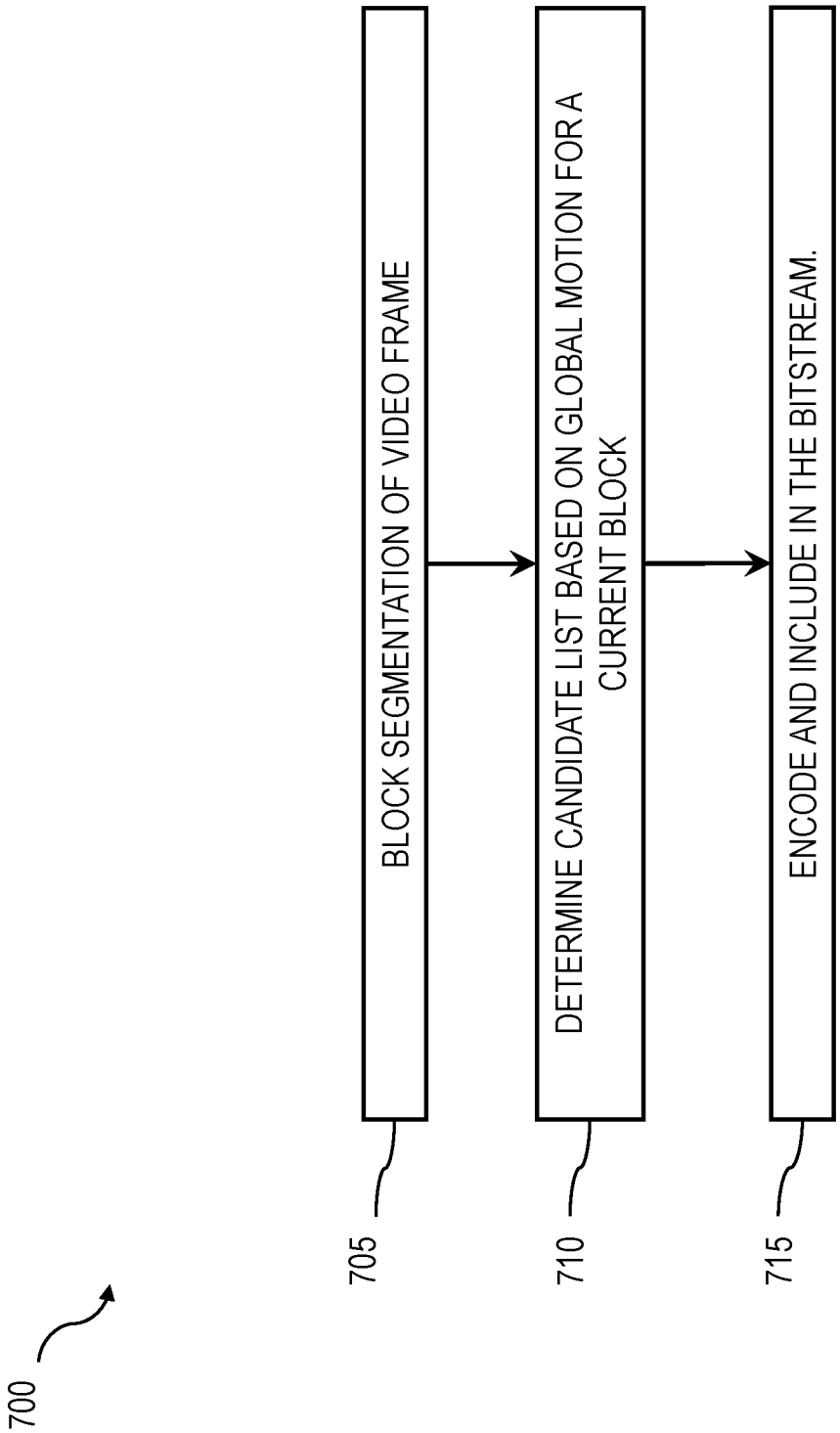

700
705
BLOCK SEGMENTATION OF VIDEO FRAME
710
DETERMINE CANDIDATE LIST BASED ON GLOBAL MOTION FOR A CURRENT BLOCK
715
ENCODE AND INCLUDE IN THE BITSTREAM.

FIG. 7

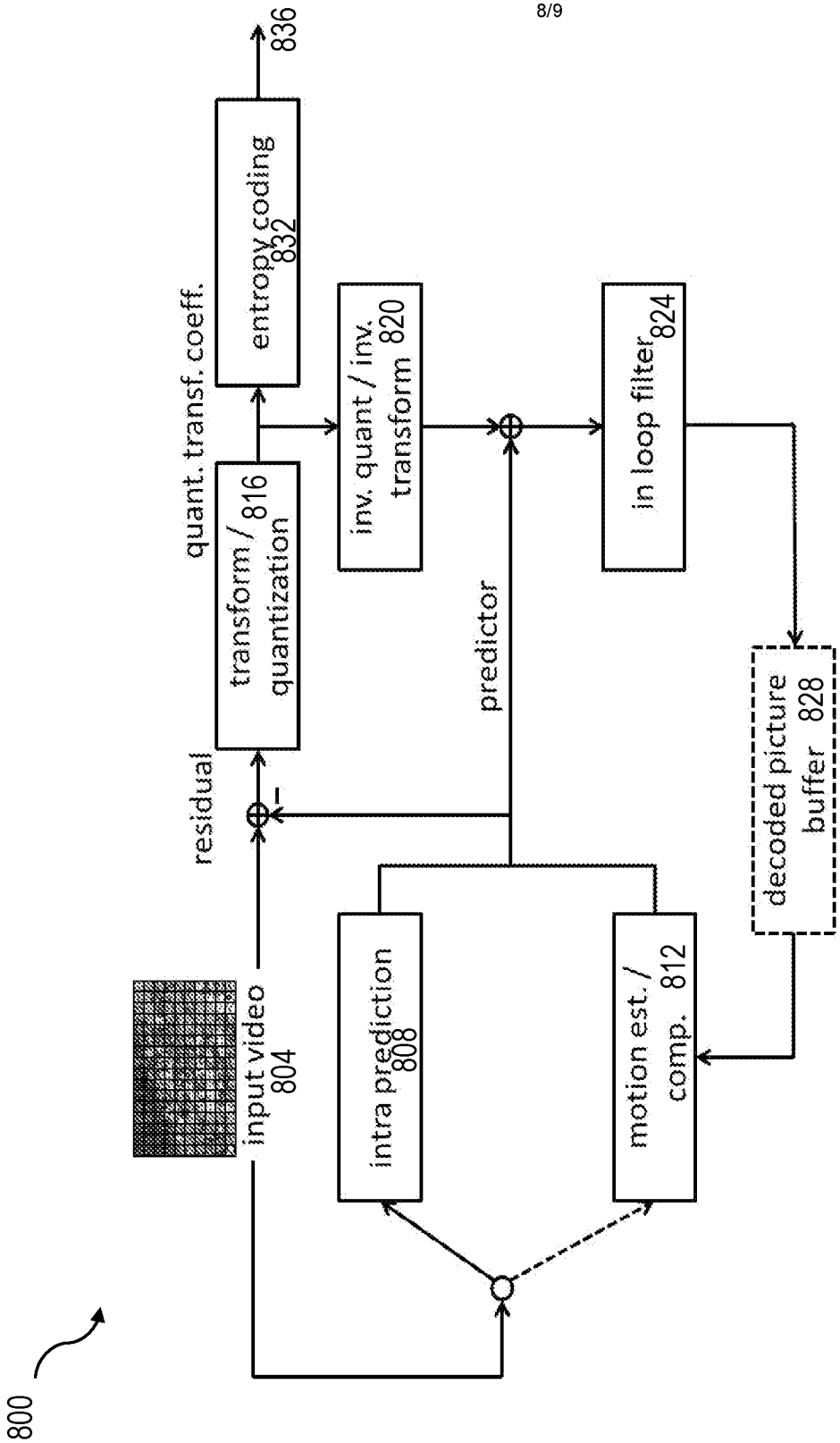

800
input video 804
residual
transform / quantization 816
quant. transf. coeff.
entropy coding 832
836
inv. quant / inv. transform 820
in loop filter 824
predictor
decoded picture buffer 828
intra prediction 808
motion est. / comp. 812

FIG. 8

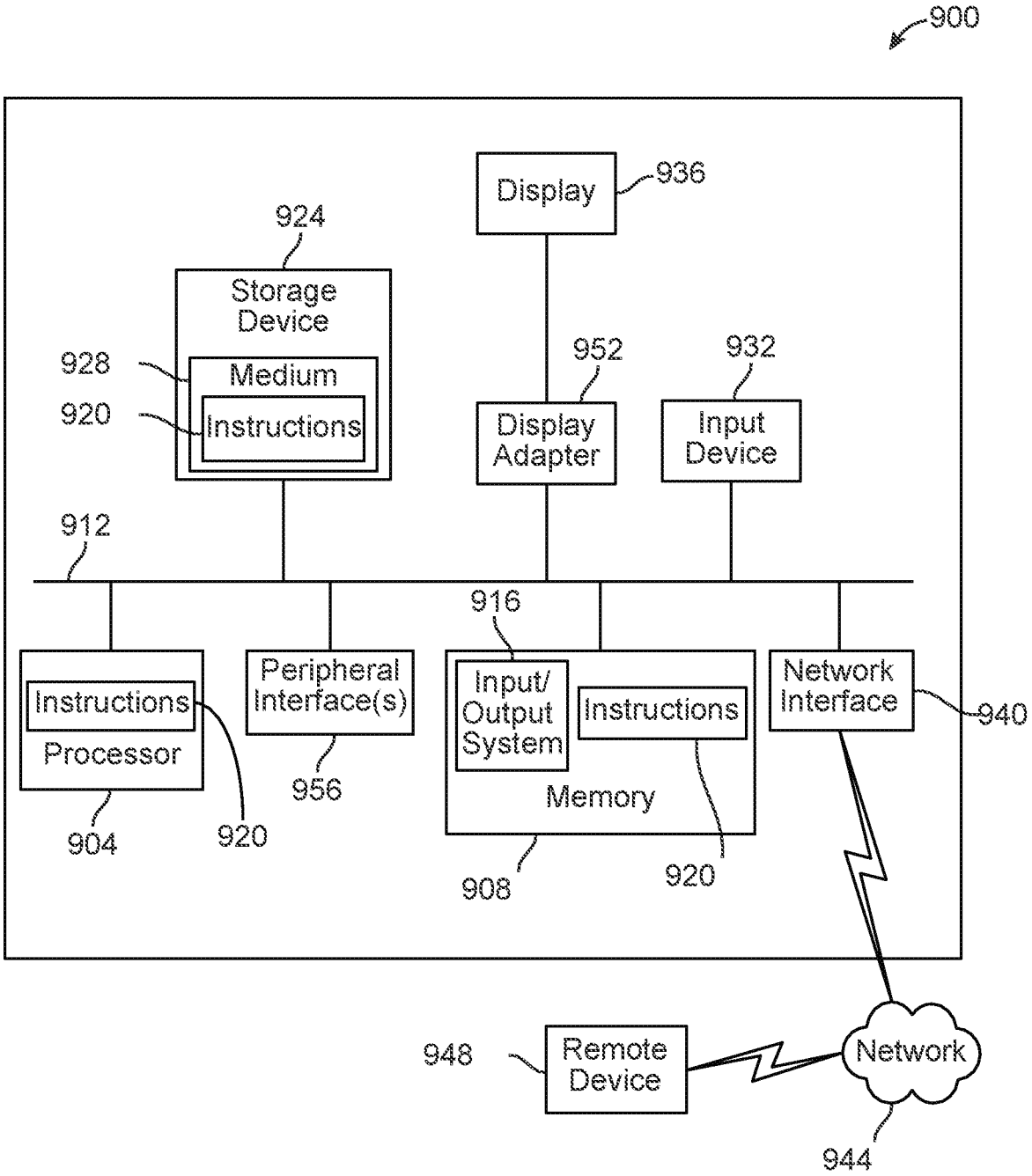

900
Display
936
924
Storage Device
928
Medium
920
Instructions
952
932
Display Adapter
Input Device
912
916
Instructions
Processor
904
920
Peripheral Interface(s)
956
Input/ Output System
Instructions
Memory
908
920
Network Interface
940
948
Remote Device
Network
944

FIG. 9