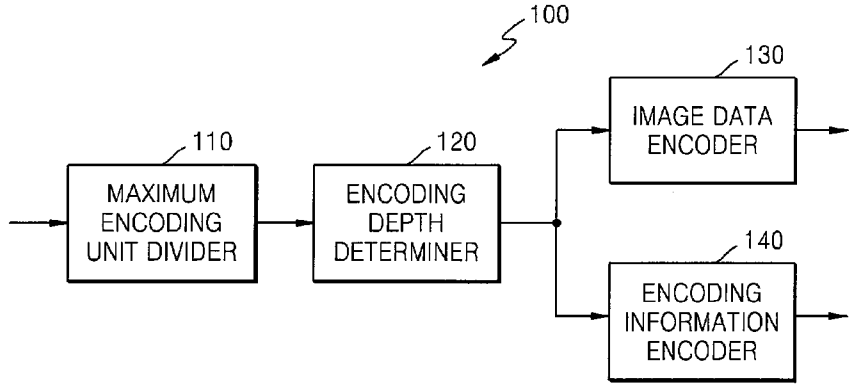
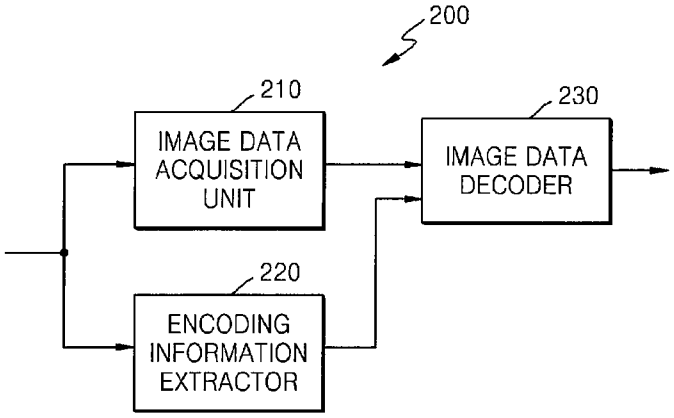
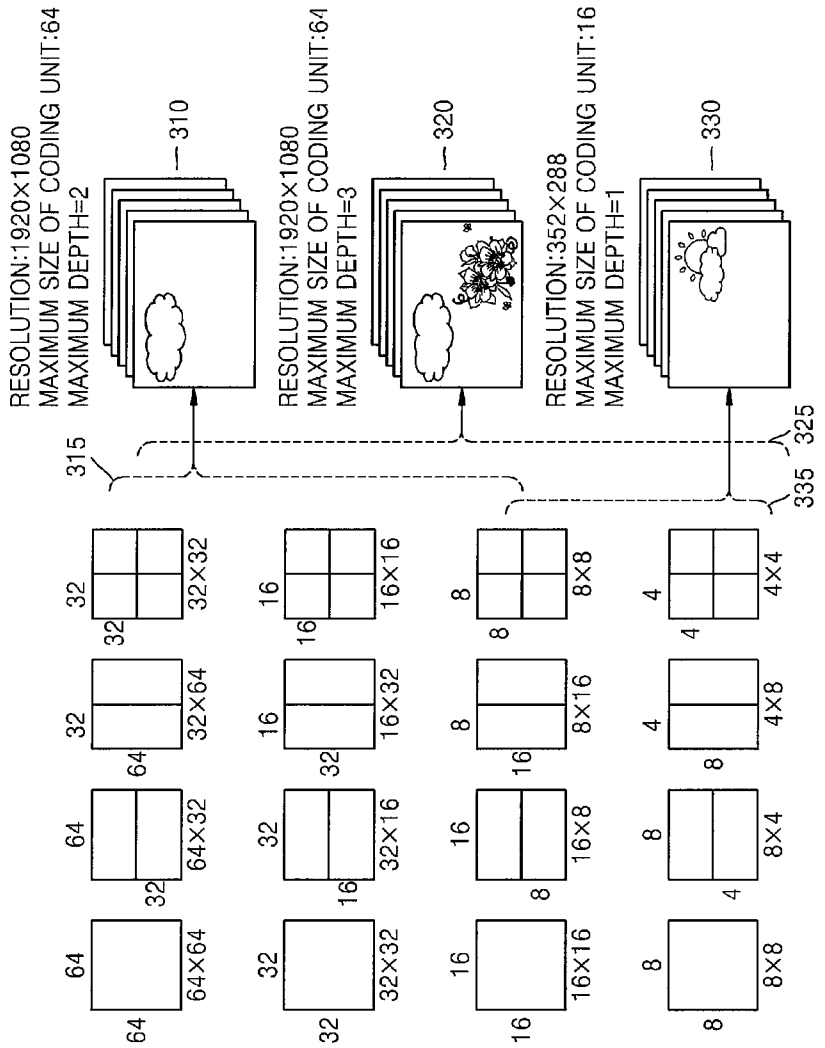
[Fig. 1]


100
110
MAXIMUM ENCODING UNIT DIVIDER
120
ENCODING DEPTH DETERMINER
130
IMAGE DATA ENCODER
140
ENCODING INFORMATION ENCODER

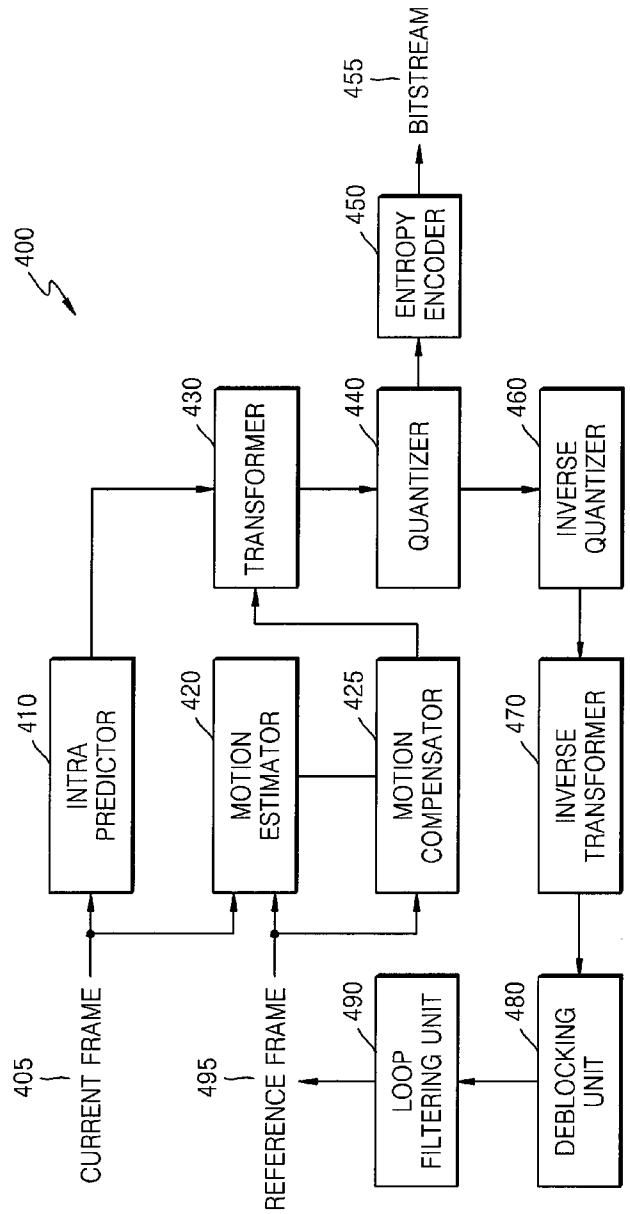
[Fig. 2]


200
210
IMAGE DATA ACQUISITION UNIT
220
ENCODING INFORMATION EXTRACTOR
230
IMAGE DATA DECODER

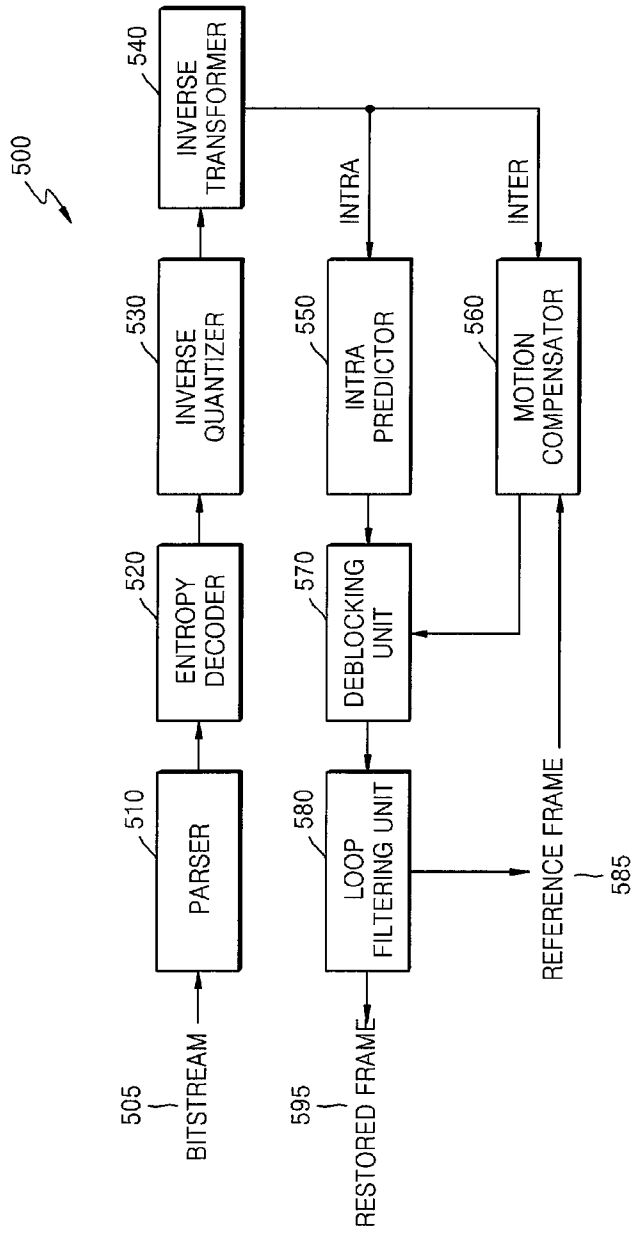
[Fig. 3]


RESOLUTION:1920×1080
MAXIMUM SIZE OF CODING UNIT:64
MAXIMUM DEPTH=2
310
RESOLUTION:1920×1080
MAXIMUM SIZE OF CODING UNIT:64
MAXIMUM DEPTH=3
320
RESOLUTION:352×288
MAXIMUM SIZE OF CODING UNIT:16
MAXIMUM DEPTH=1
330
315
325
335
64×64
64×32
32×64
32×32
32×16
16×32
16×16
16×8
8×16
8×8
8×4
4×8
4×4

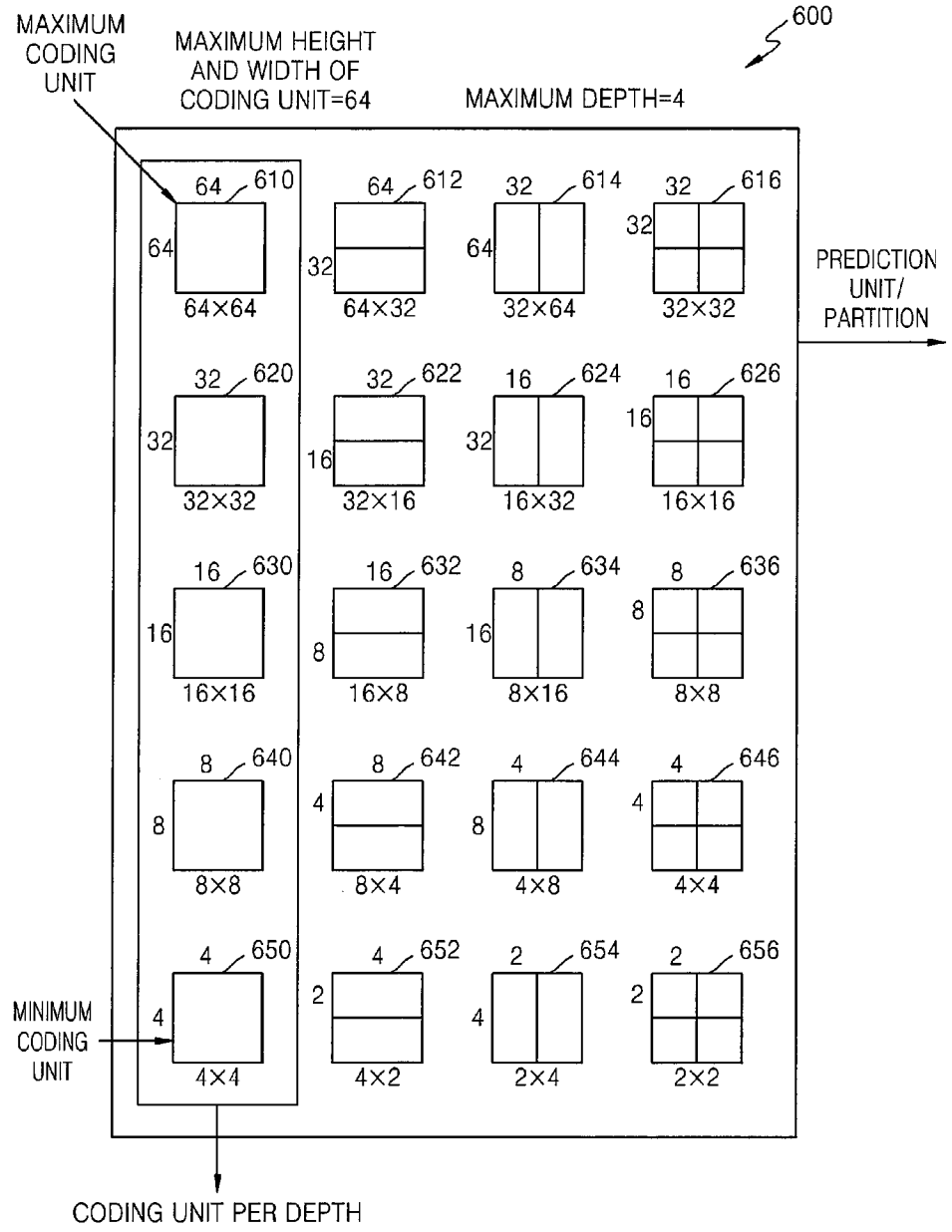
[Fig. 4]


400
455
BITSTREAM
450
ENTROPY ENCODER
430
TRANSFORMER
440
QUANTIZER
460
INVERSE QUANTIZER
410
INTRA PREDICTOR
420
MOTION ESTIMATOR
425
MOTION COMPENSATOR
470
INVERSE TRANSFORMER
405
CURRENT FRAME
495
REFERENCE FRAME
490
LOOP FILTERING UNIT
480
DEBLOCKING UNIT

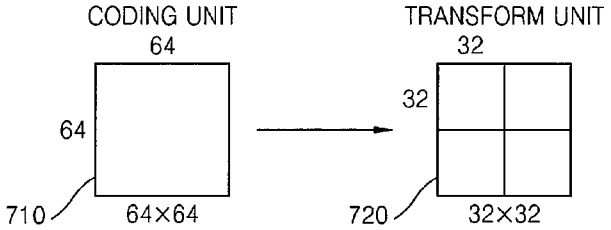
[Fig. 5]


500
540
INVERSE TRANSFORMER
530
INVERSE QUANTIZER
520
ENTROPY DECODER
510
PARSER
505
BITSTREAM
INTRA
550
INTRA PREDICTOR
570
DEBLOCKING UNIT
580
LOOP FILTERING UNIT
595
RESTORED FRAME
INTER
560
MOTION COMPENSATOR
REFERENCE FRAME
585

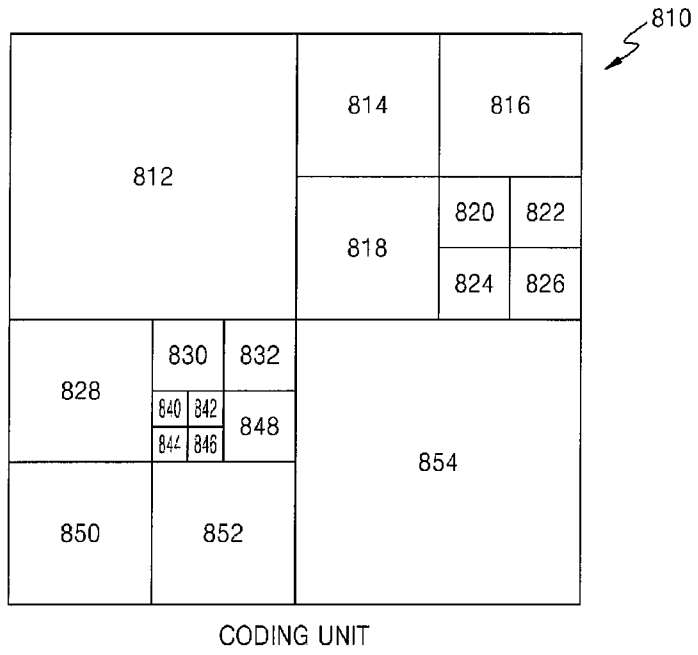
[Fig. 6]


600
MAXIMUM CODING UNIT
MAXIMUM HEIGHT AND WIDTH OF CODING UNIT=64
MAXIMUM DEPTH=4
PREDICTION UNIT/ PARTITION
64 610
64×64
64 612
64×32
32 614
32×64
32 616
32×32
32 620
32×32
32 622
32×16
16 624
16×32
16 626
16×16
16 630
16×16
16 632
16×8
8 634
8×16
8 636
8×8
8 640
8×8
8 642
8×4
4 644
4×8
4 646
4×4
4 650
4×4
4 652
4×2
2 654
2×4
2 656
2×2
MINIMUM CODING UNIT
CODING UNIT PER DEPTH

[Fig. 7]

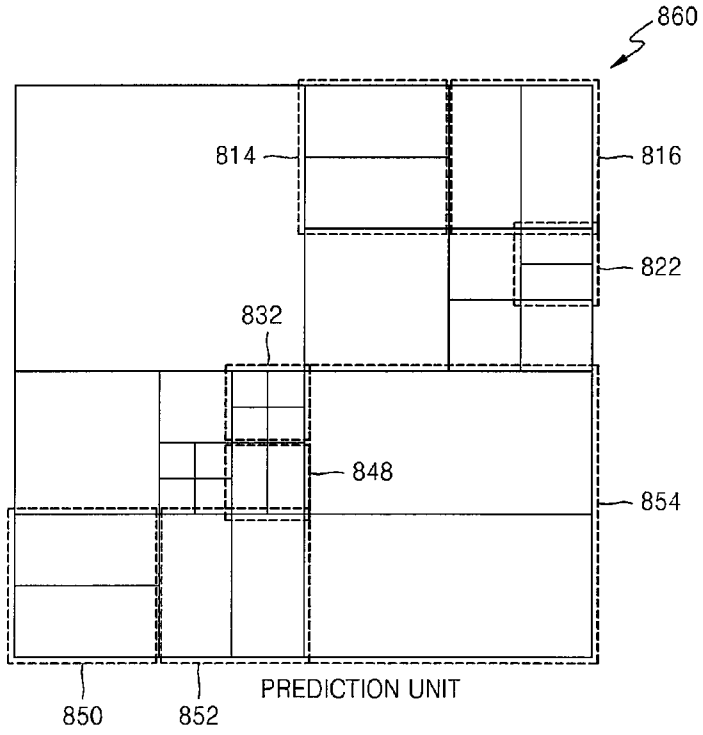

CODING UNIT
64
64
64×64
710
TRANSFORM UNIT
32
32
32×32
720

[Fig. 8a]

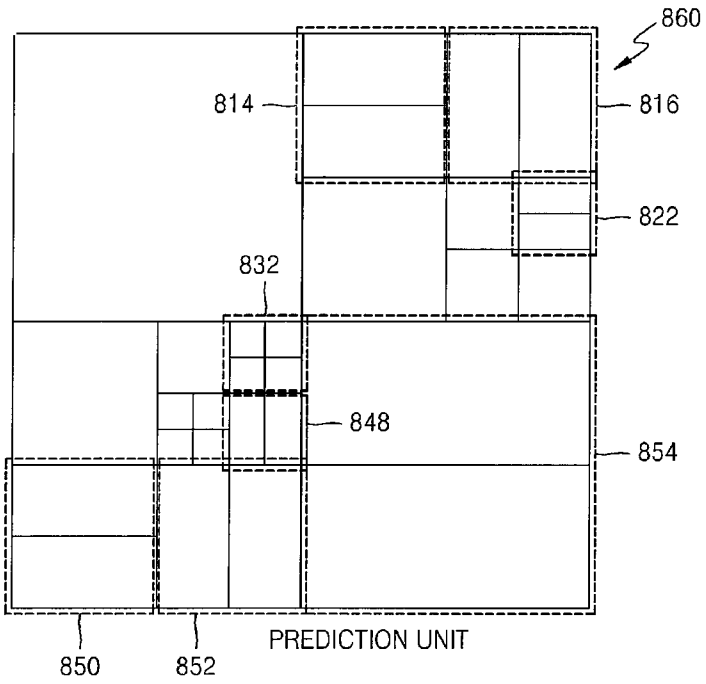


CODING UNIT

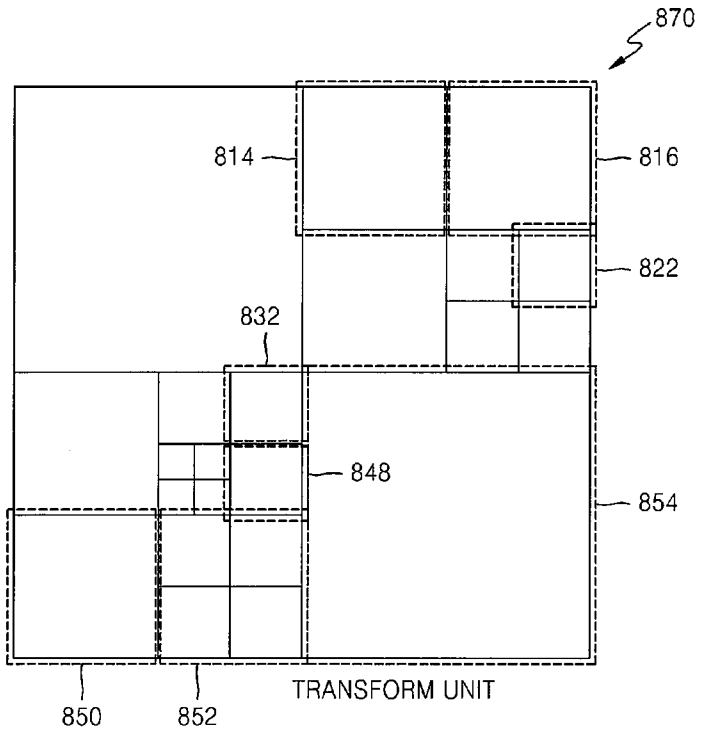
[Fig. 8b]



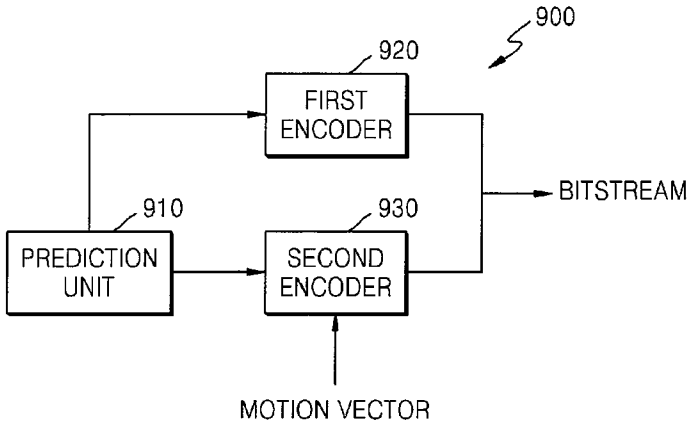
[Fig. 8c]


860
814
816
822
832
848
854
850
852
PREDICTION UNIT

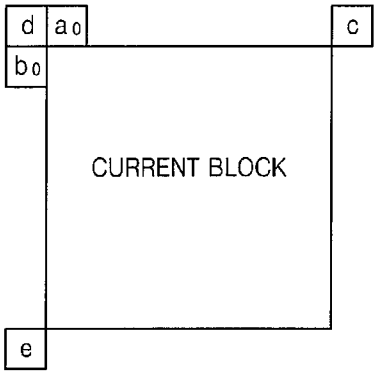
[Fig. 8d]


870
814
816
822
832
848
854
850
852
TRANSFORM UNIT

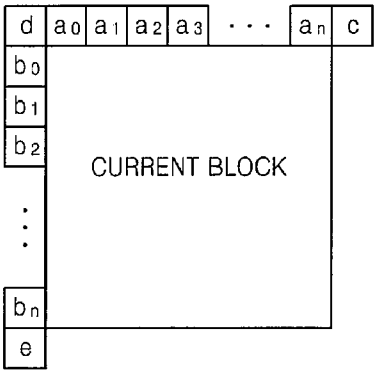
[Fig. 9]



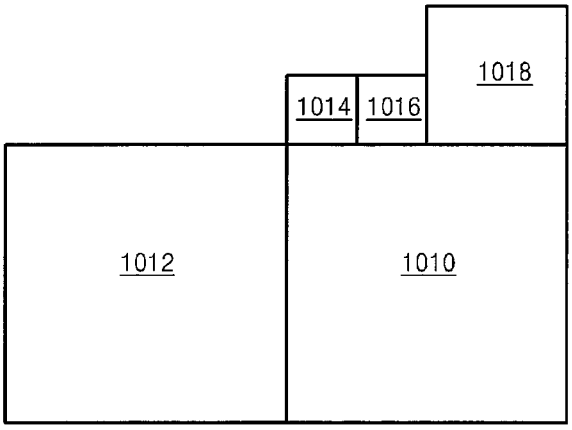
[Fig. 10a]



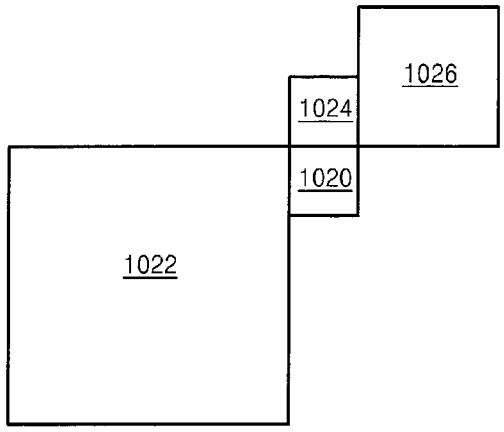
[Fig. 10b]



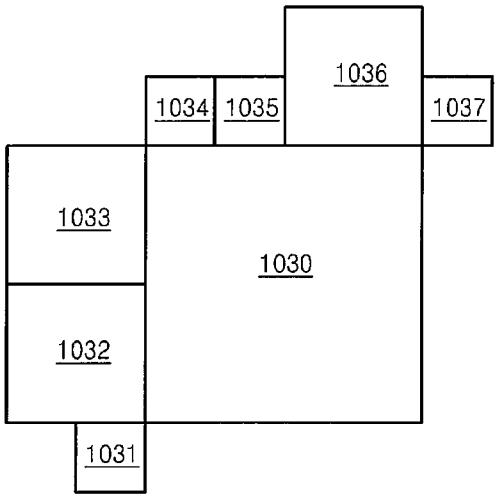
[Fig. 10c]



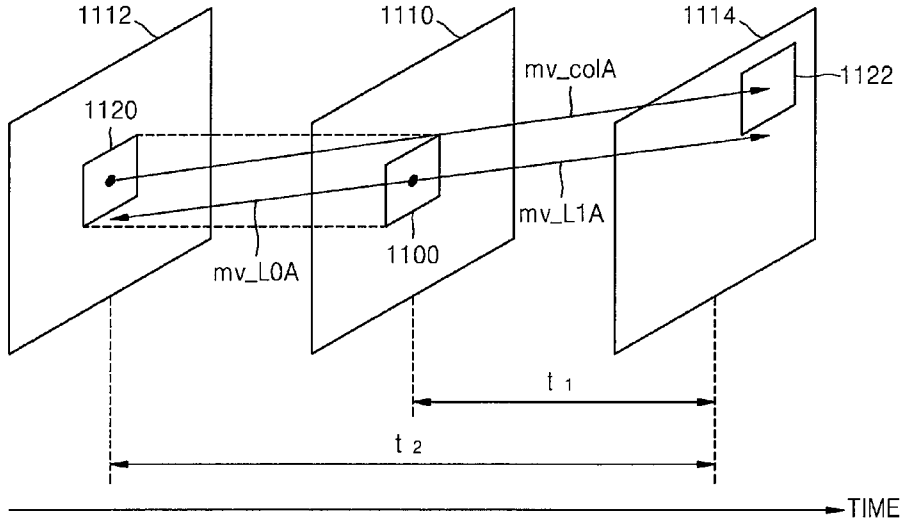
[Fig. 10d]



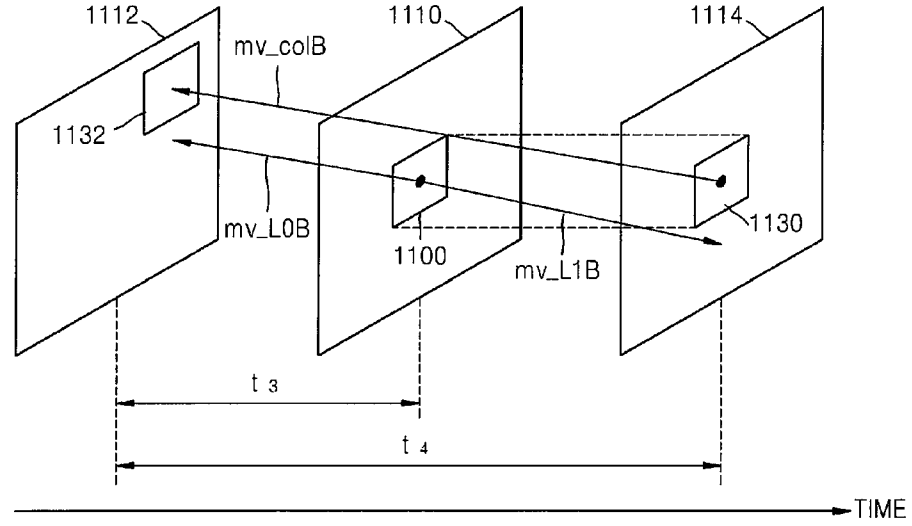
[Fig. 10e]



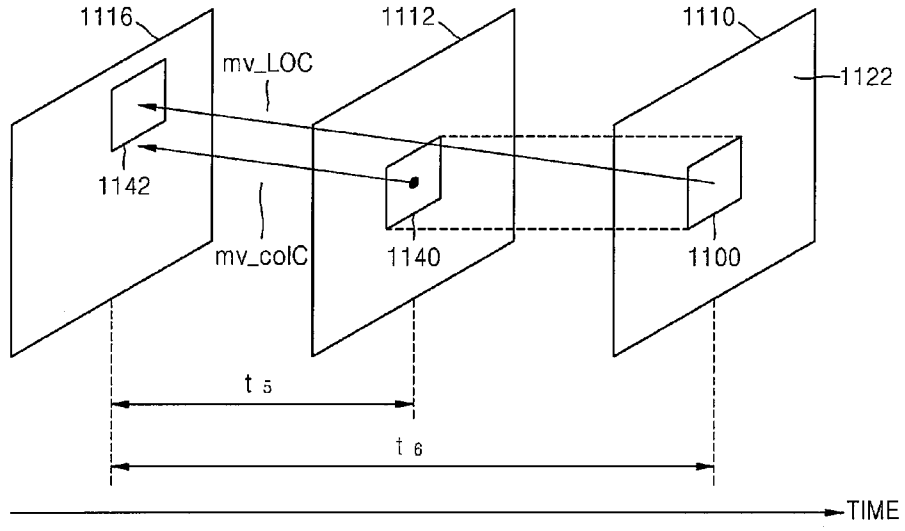
[Fig. 11a]



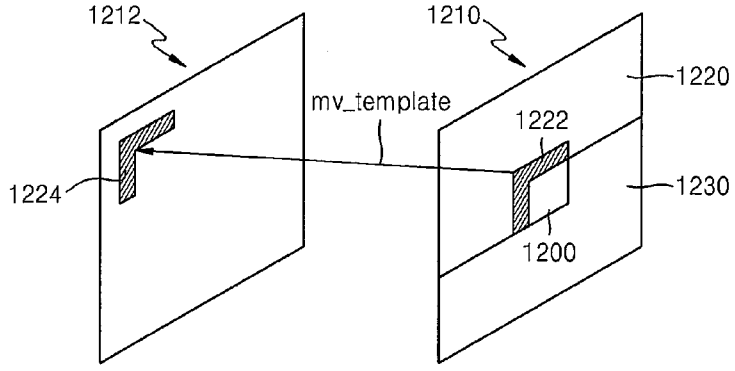
[Fig. 11b]



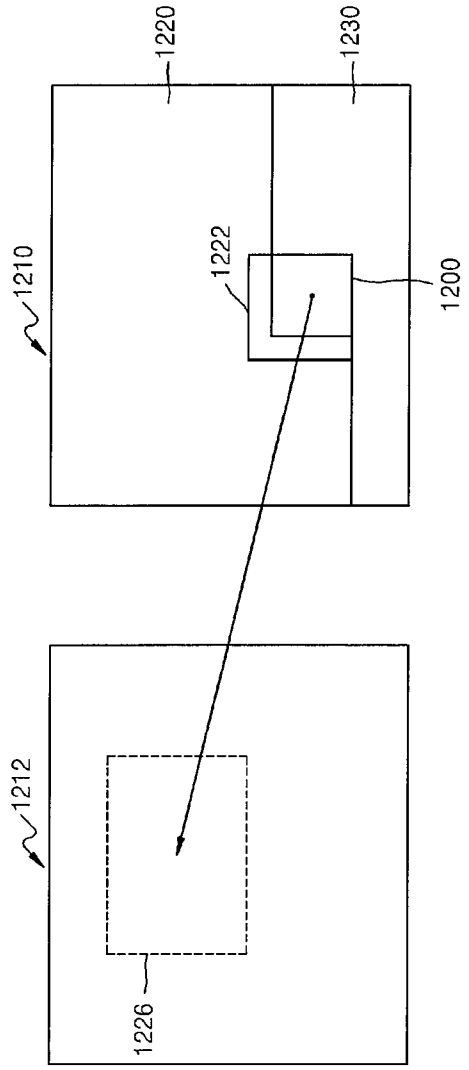
[Fig. 11c]



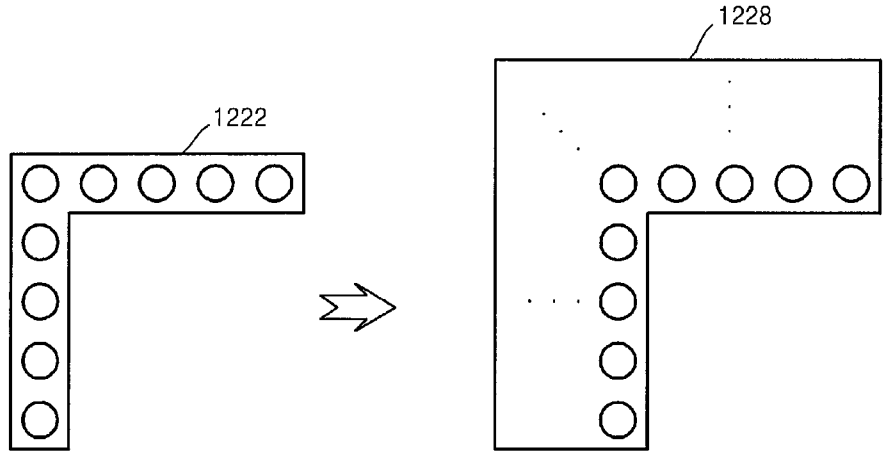
[Fig. 12a]



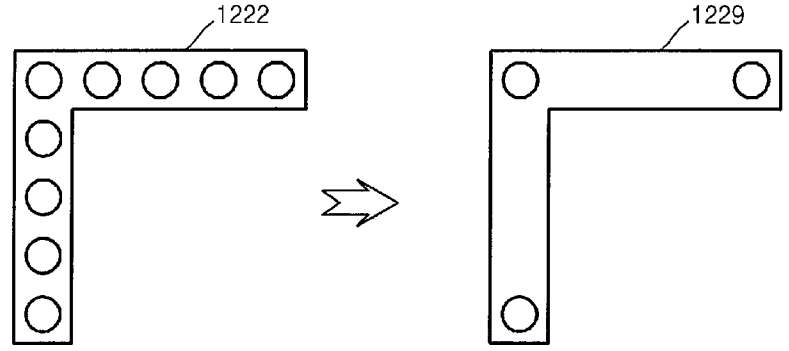
[Fig. 12b]



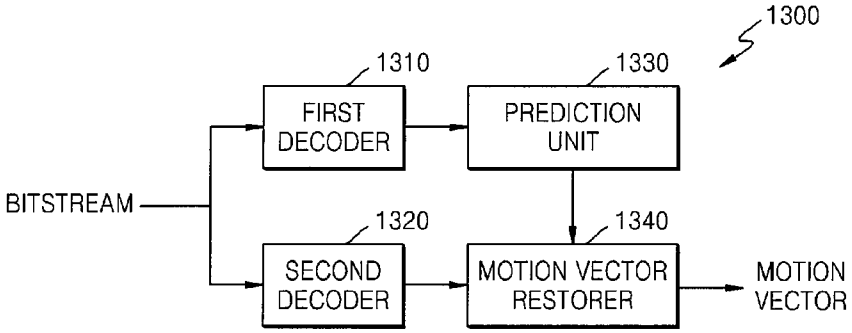
[Fig. 12c]



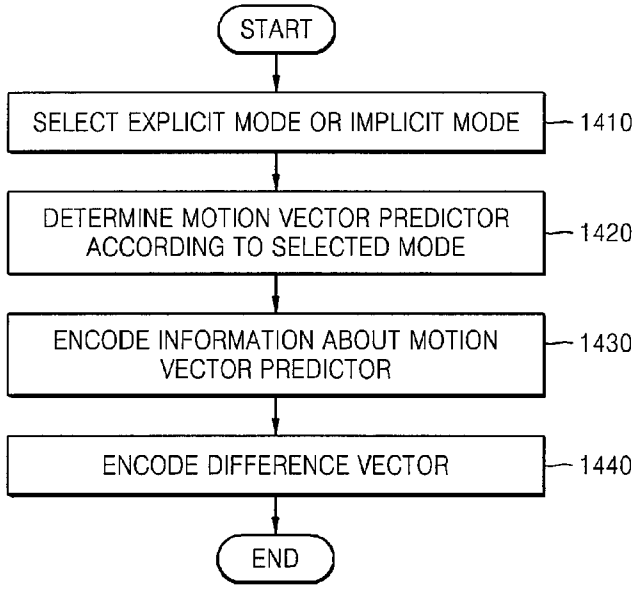
[Fig. 12d]



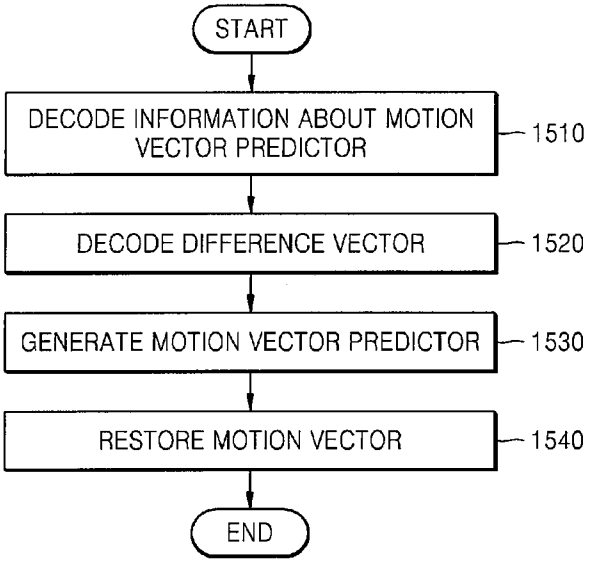
[Fig. 13]



[Fig. 14]



[Fig. 15]


START
DECODE INFORMATION ABOUT MOTION VECTOR PREDICTOR
1510
DECODE DIFFERENCE VECTOR
1520
GENERATE MOTION VECTOR PREDICTOR
1530
RESTORE MOTION VECTOR
1540
END