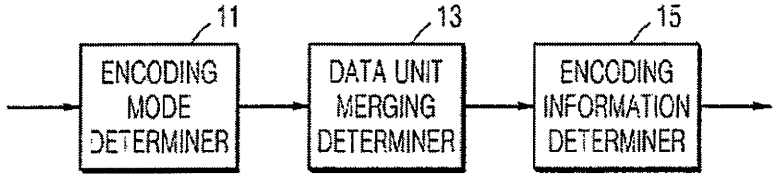
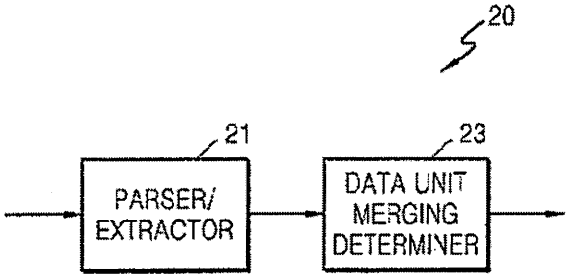
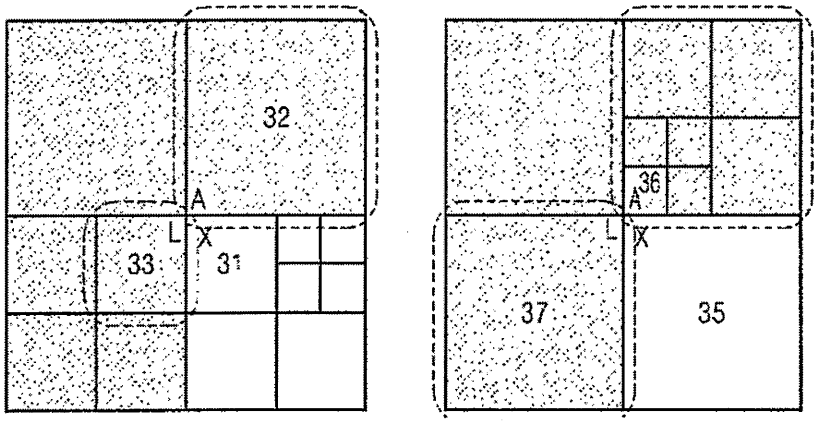
[Fig. 1]



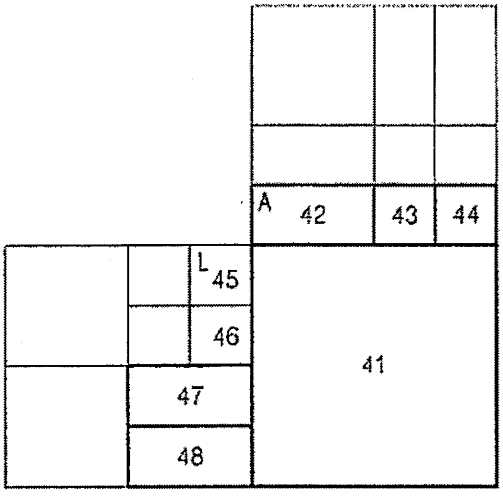
[Fig. 2]



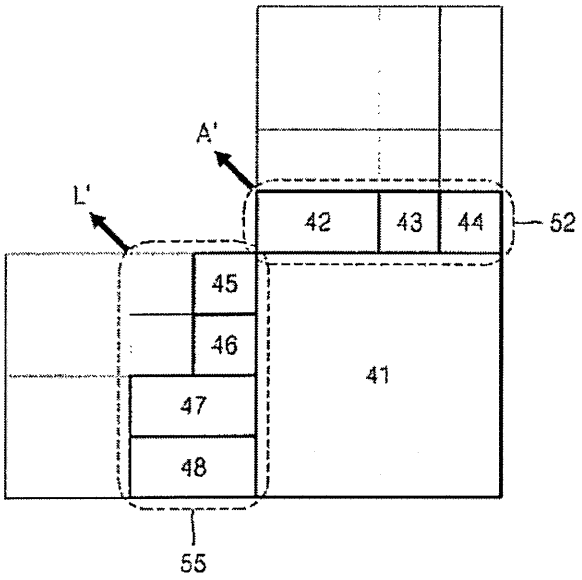
[Fig. 3]



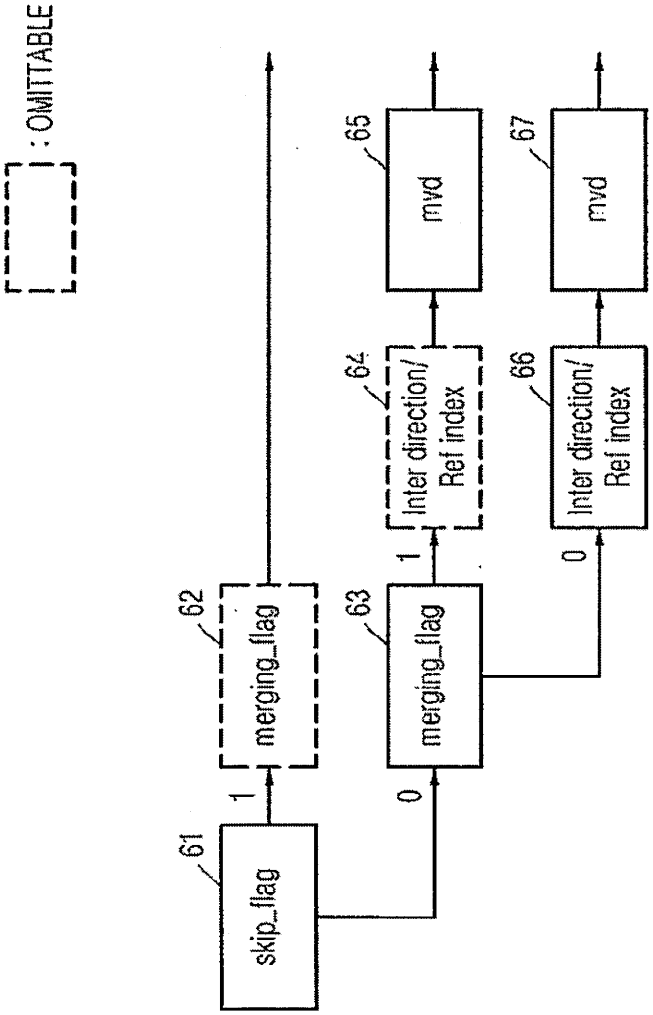
[Fig. 4]



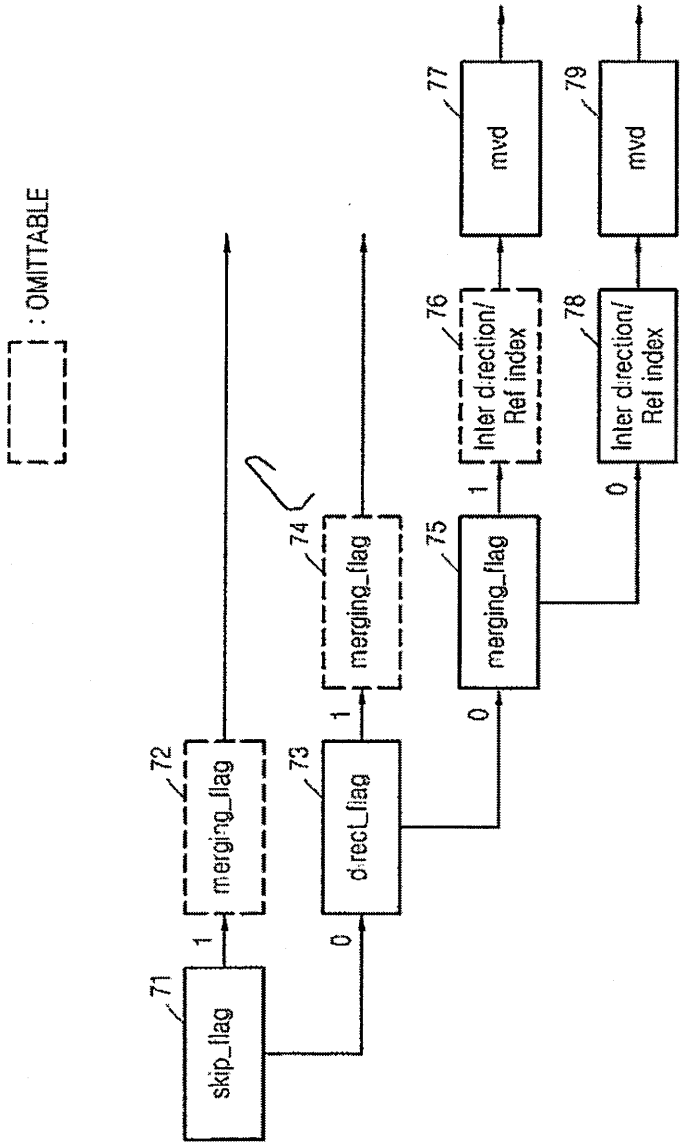
[Fig. 5]


A'
L'
42
43
44
52
45
46
47
48
41
55

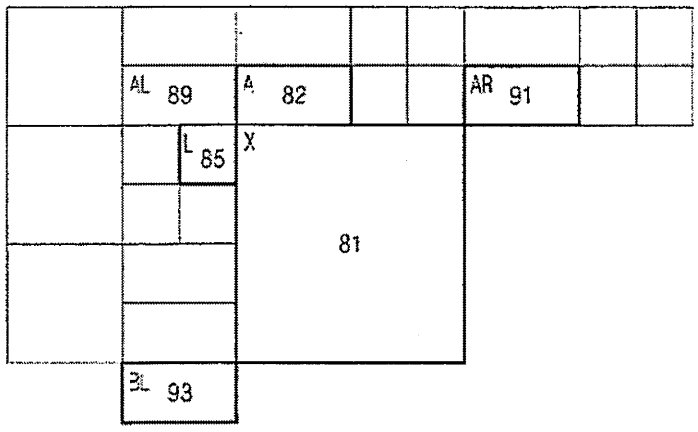
[Fig. 6]


: OMITTABLE
skip_flag
61
merging_flag
62
merging_flag
63
Inter direction/ Ref index
64
mvd
65
Inter direction/ Ref index
66
mvd
67
1
0
1
0

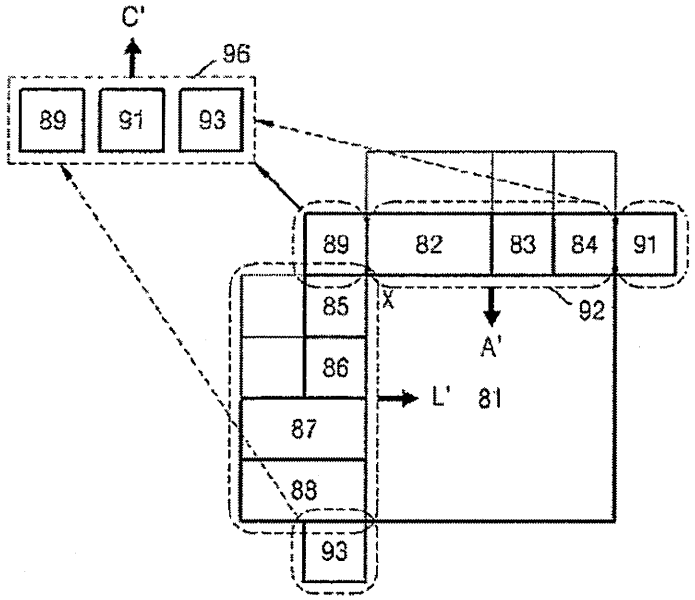
[Fig. 7]


: OMITTABLE
71
skip_flag
72
merging_flag
73
direct_flag
74
merging_flag
75
merging_flag
76
Inter direction/ Ref index
77
mvd
78
Inter direction/ Ref index
79
mvd
0
1
0
1
0
1

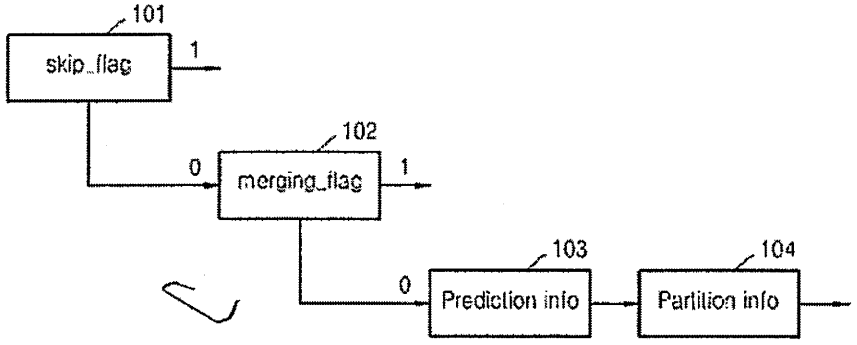
[Fig. 8]


AL 89
A 82
AR 91
L 85
X
81
BL 93

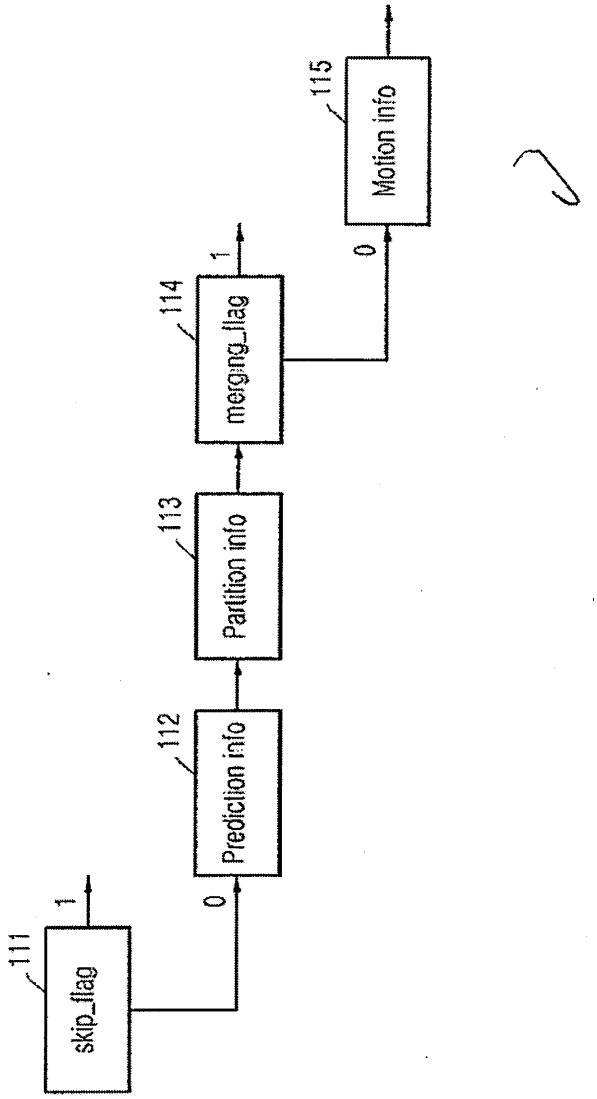
[Fig. 9]


C'
96
89
91
93
89
82
83
84
91
85
86
87
88
93
X
92
A'
L'
81

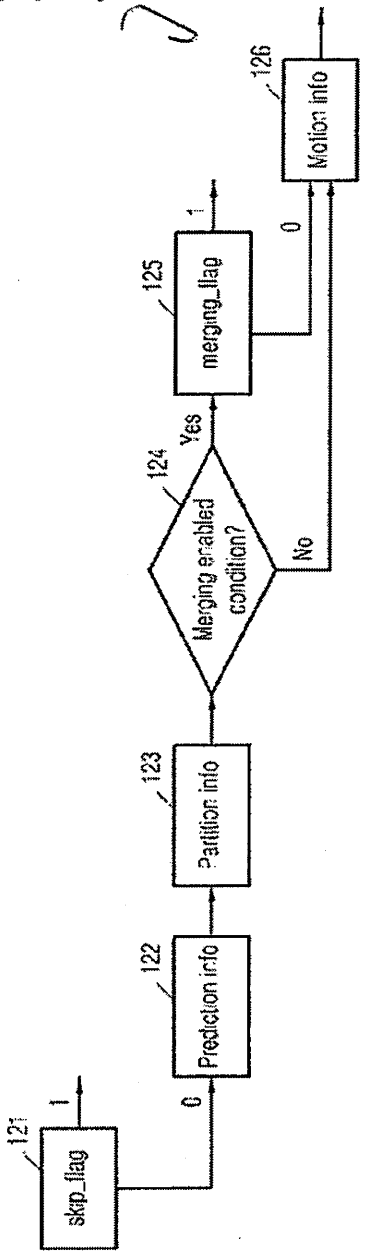
[Fig. 10]


101
skip_flag
1
102
0
merging_flag
1
103
0
Prediction info
104
Partition info

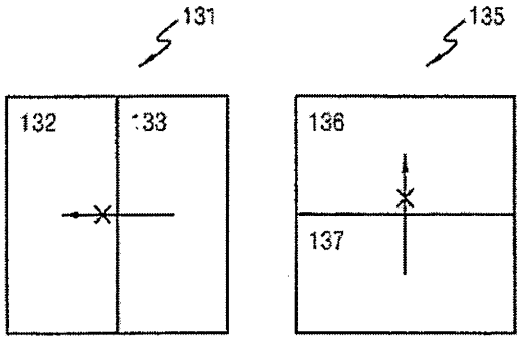
[Fig. 11]


111
skip_flag
1
0
112
Prediction info
113
Partition info
114
merging_flag
1
0
115
Motion info

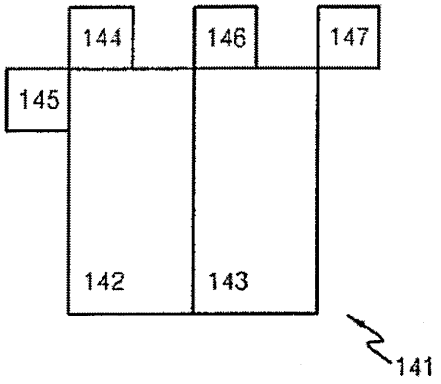
[Fig. 12]


121
skip_flag
1
0
122
Prediction info
123
Partition info
124
Merging enabled condition?
Yes
No
125
merging_flag
1
0
126
Motion info

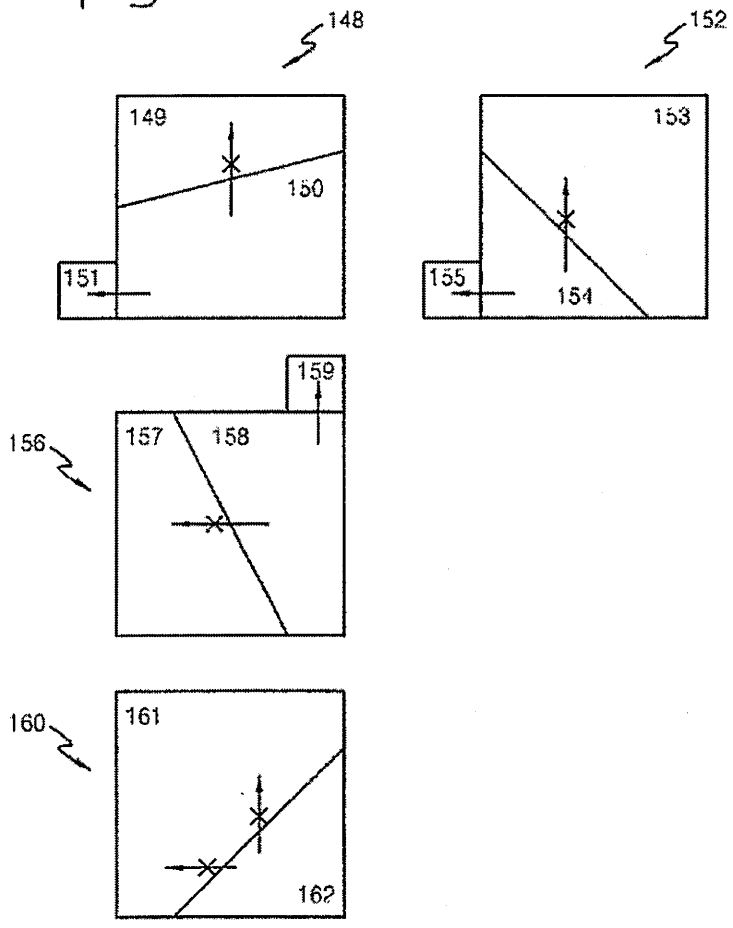
[Fig. 13]


131
132
133
135
136
137

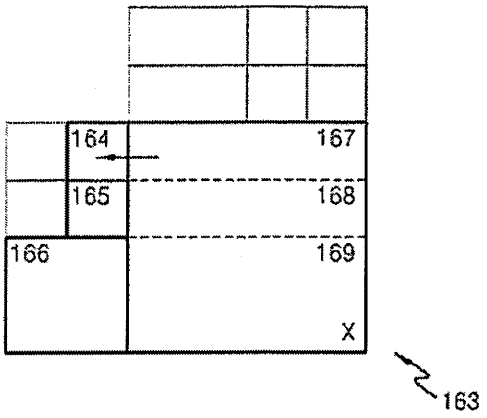
[Fig. 14]


144
146
147
145
142
143
141

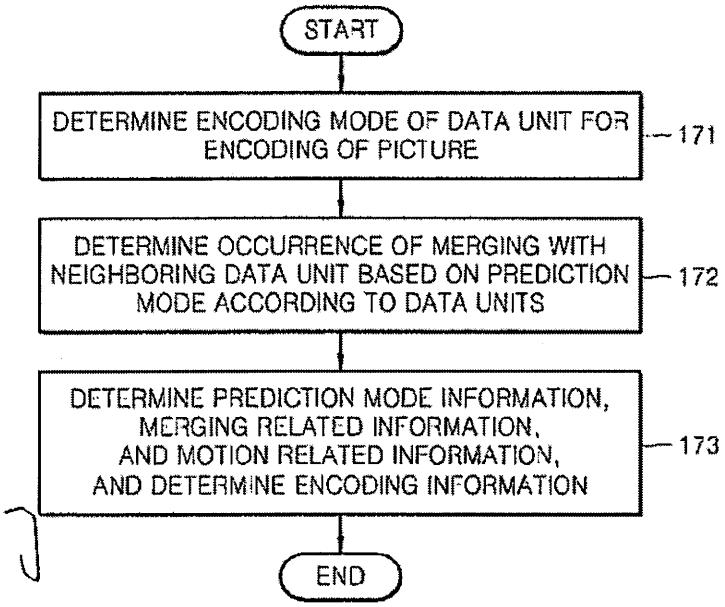
[Fig. 15]


148
152
149
150
151
153
155
154
159
156
157
158
160
161
162

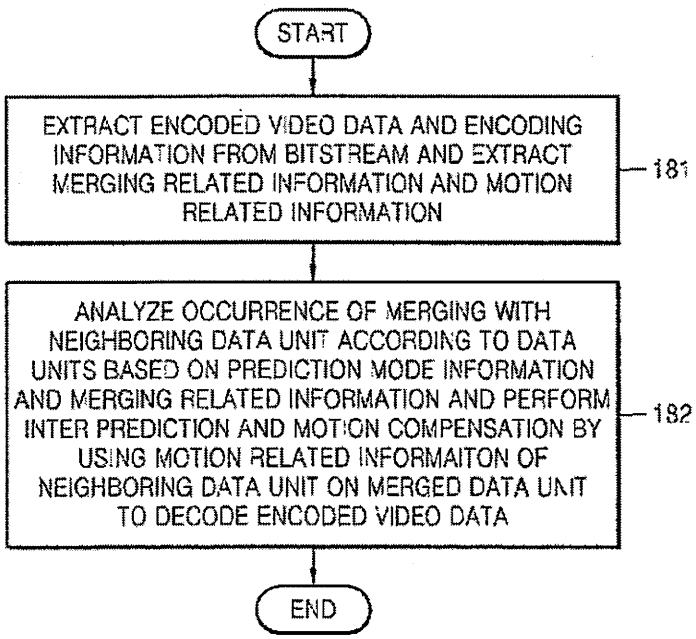
[Fig. 16]



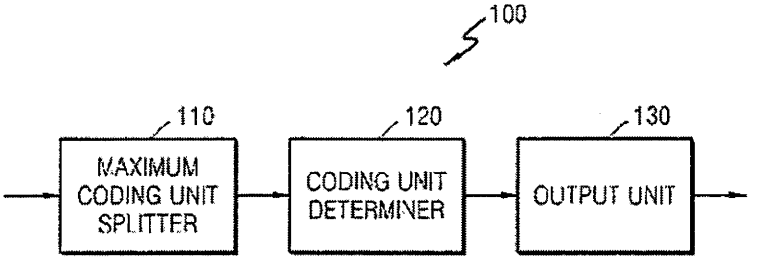
[Fig. 17]



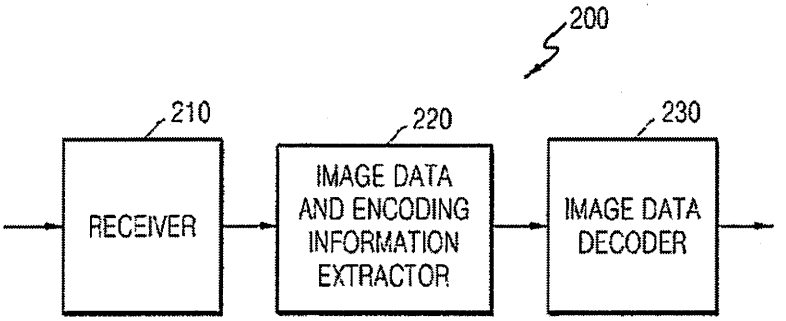
[Fig. 18]



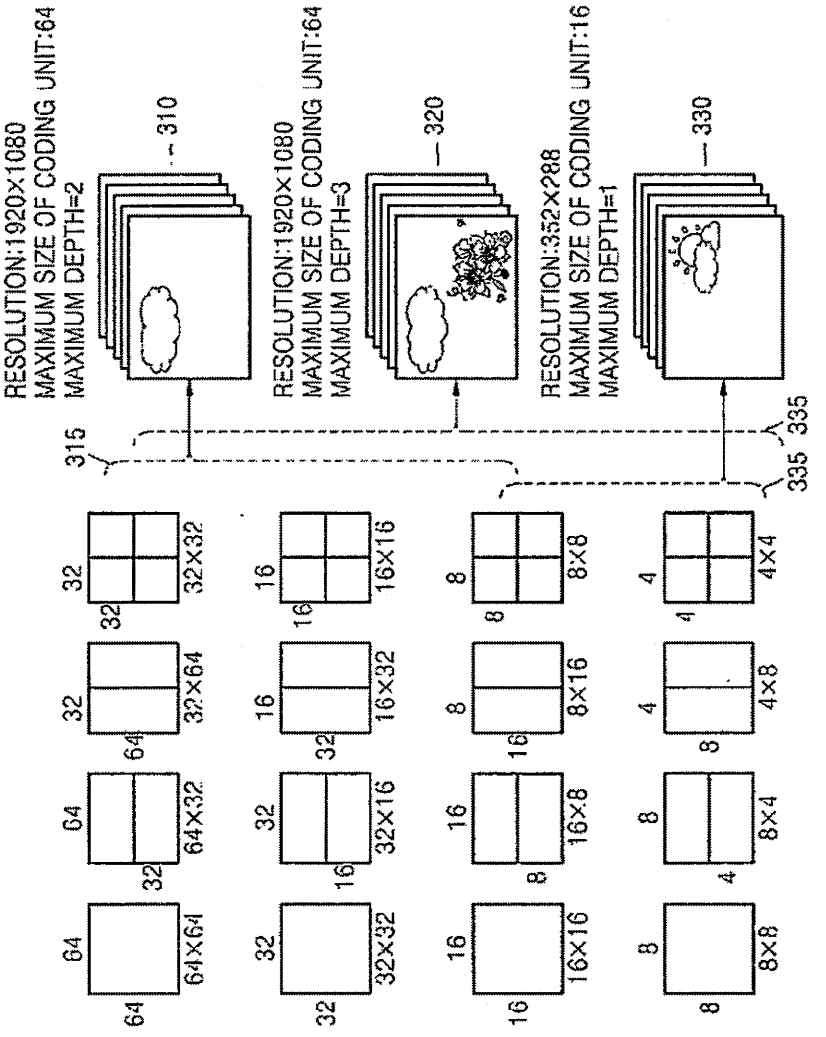
[Fig. 19]



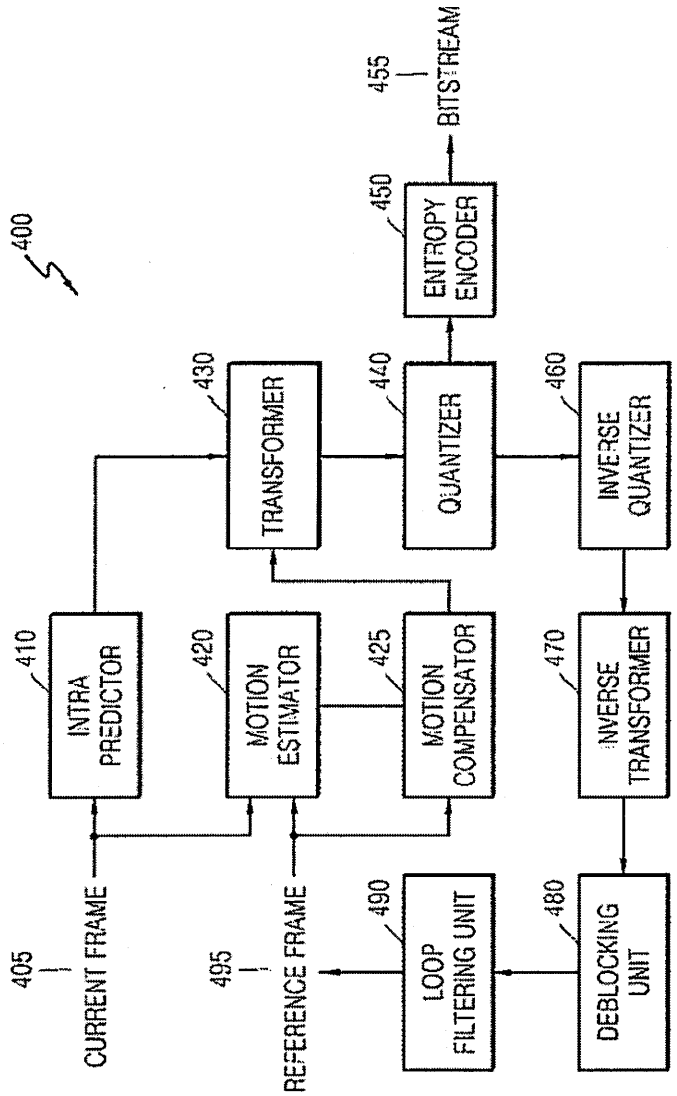
[Fig. 20]



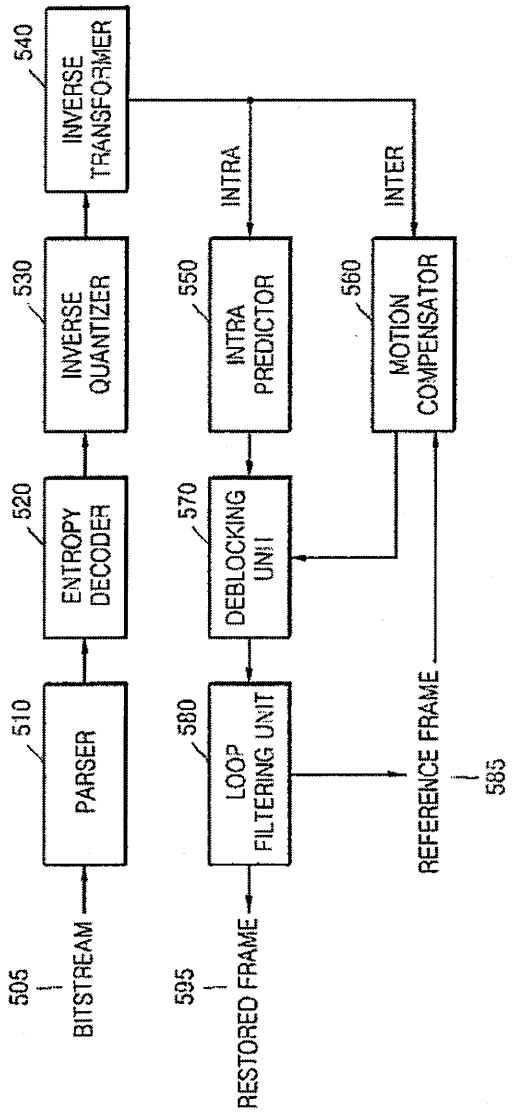
[Fig. 21]



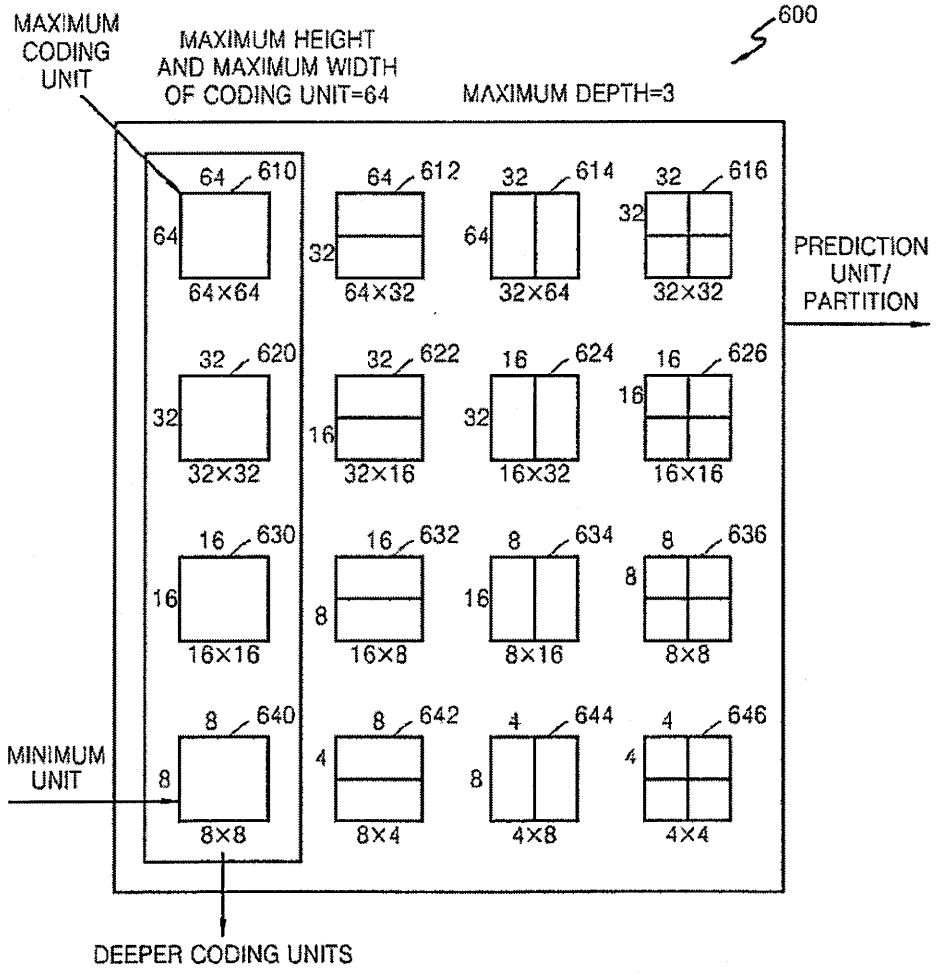
[Fig. 22]


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

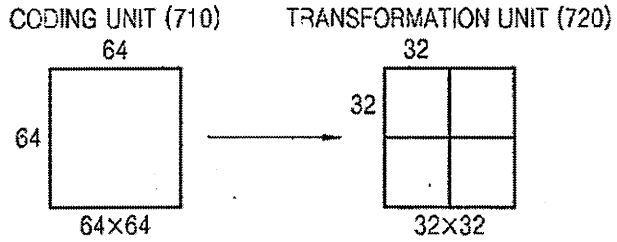
[Fig. 23]


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

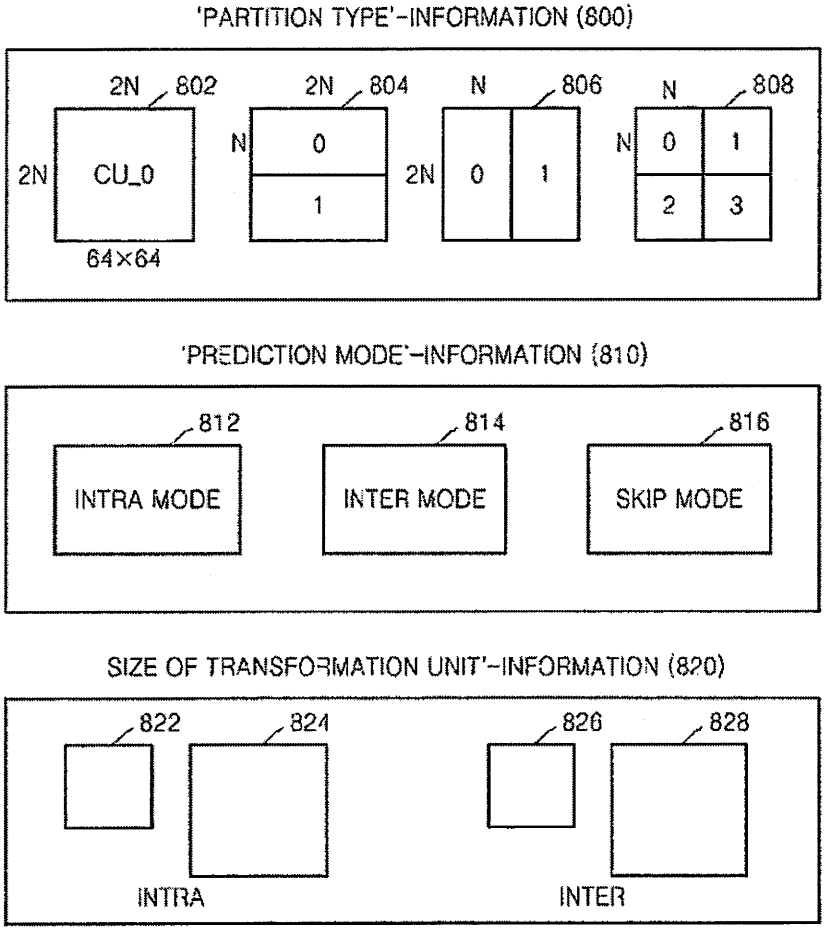
[Fig. 24]


MAXIMUM CODING UNIT
MAXIMUM HEIGHT AND MAXIMUM WIDTH OF CODING UNIT=64
MAXIMUM DEPTH=3
600
64 610
64
64×64
64 612
32
64×32
32 614
64
32×64
32 616
32
32×32
PREDICTION UNIT/ PARTITION
32 620
32
32×32
32 622
16
32×16
16 624
32
16×32
16 626
16
16×16
16 630
16
16×16
16 632
8
16×8
8 634
16
8×16
8 636
8
8×8
MINIMUM UNIT
8 640
8
8×8
8 642
4
8×4
4 644
8
4×8
4 646
4
4×4
DEEPER CODING UNITS

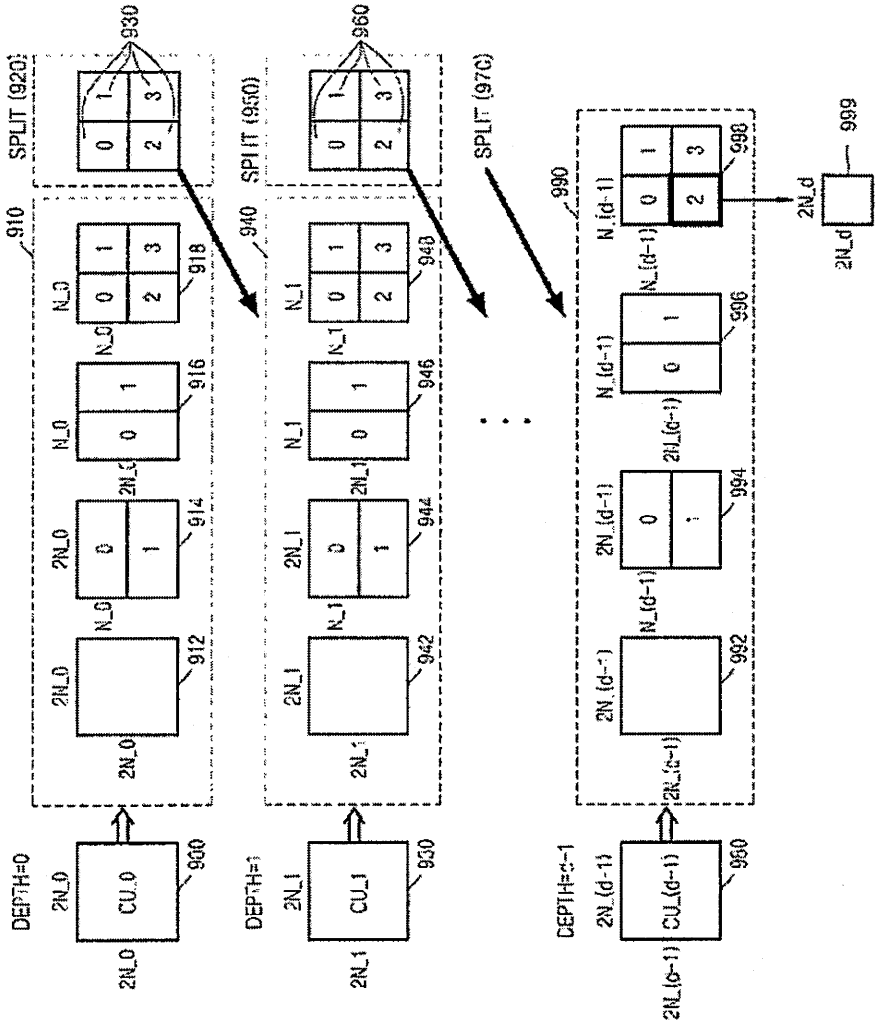
[Fig. 25]


CODING UNIT (710)
TRANSFORMATION UNIT (720)
64
64
64×64
32
32
32×32

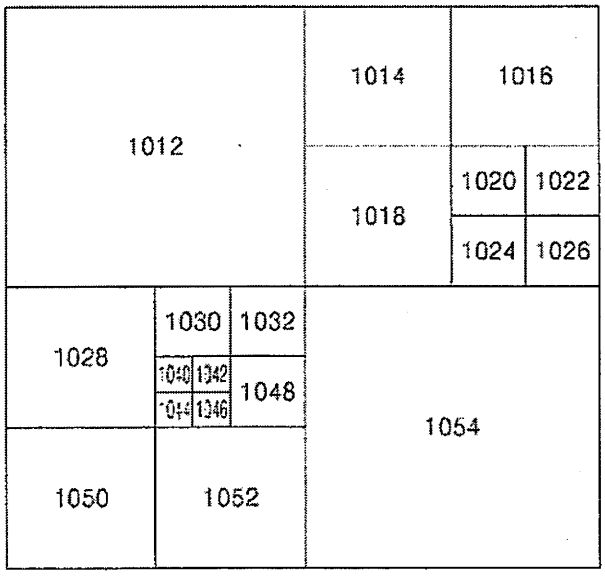
[Fig. 26]


'PARTITION TYPE'-INFORMATION (800)
2N
802
2N
CU_0
64×64
2N
804
N
0
1
N
806
2N
0
1
N
808
N
0
1
2
3
'PREDICTION MODE'-INFORMATION (810)
812
INTRA MODE
814
INTER MODE
816
SKIP MODE
SIZE OF TRANSFORMATION UNIT'-INFORMATION (820)
822
824
INTRA
826
828
INTER

[Fig. 27]

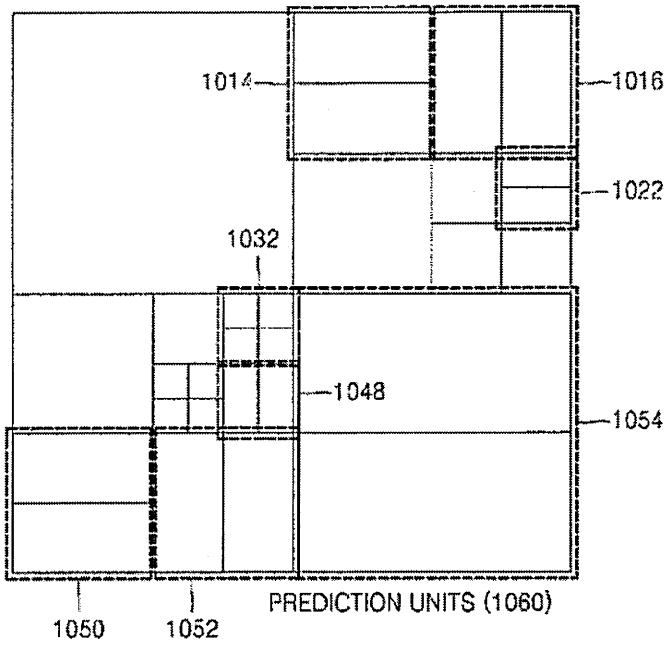


[Fig. 28]

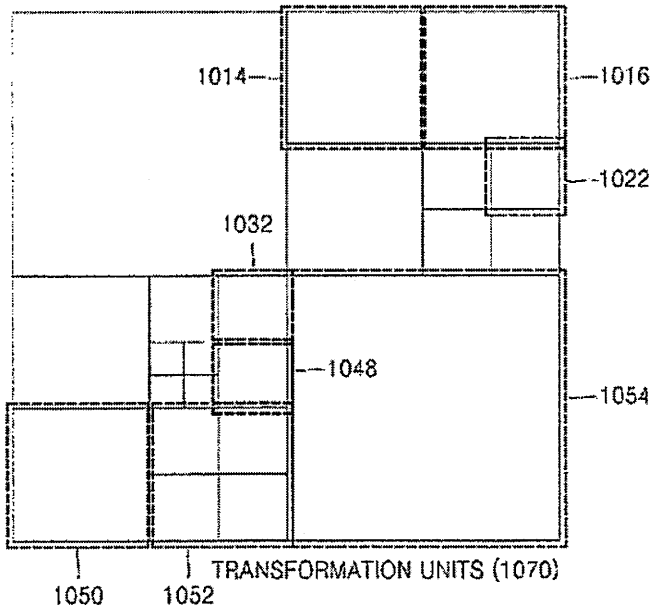


CODING UNITS (1010)

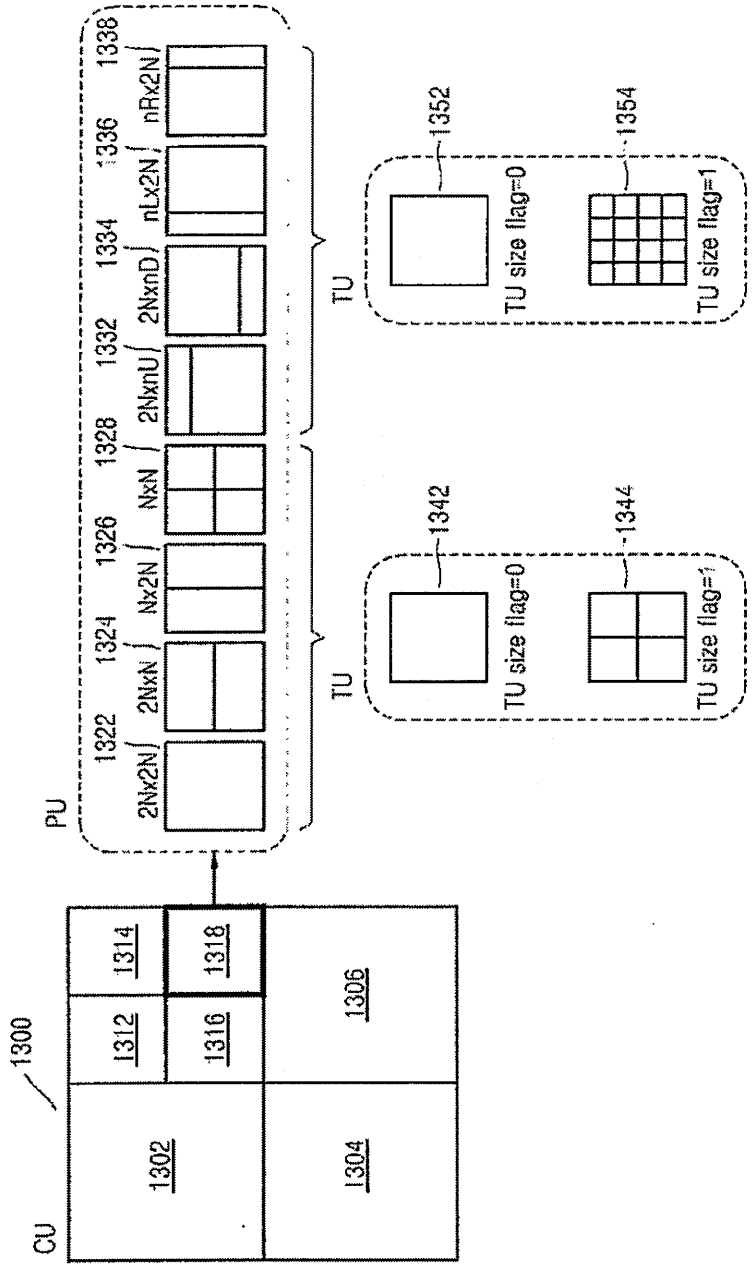
[Fig. 29]


1014
1016
1022
1032
1048
1054
1050
1052
PREDICTION UNITS (1060)

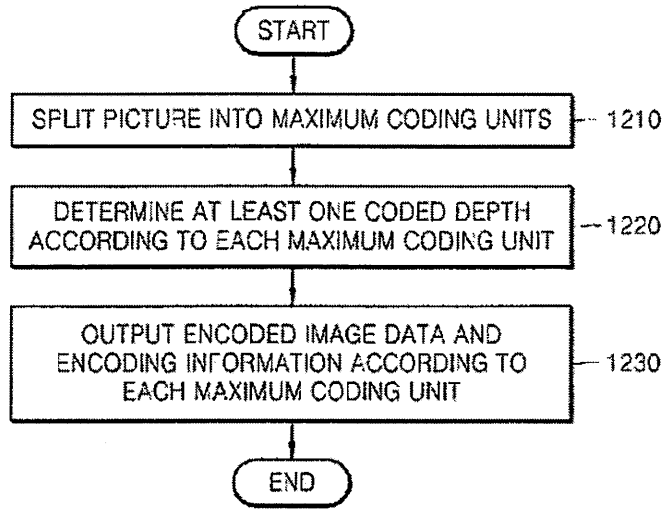
[Fig. 30]


1014
1016
1022
1032
1048
1054
1050
1052
TRANSFORMATION UNITS (1070)

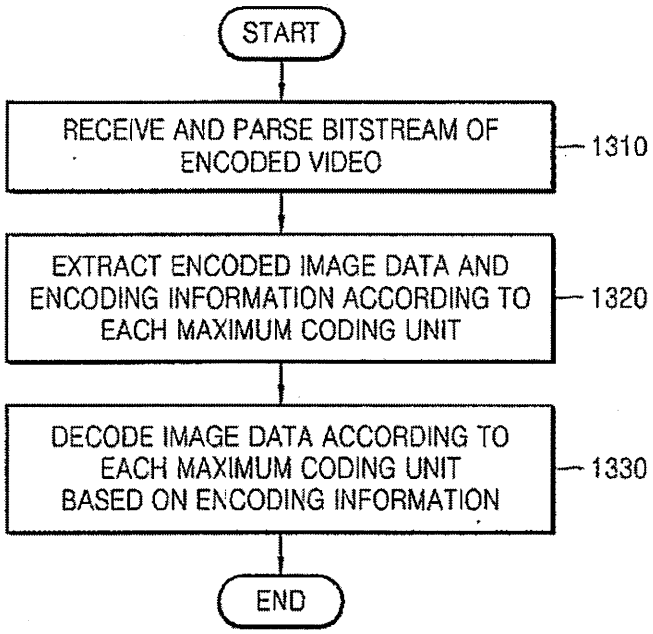
[Fig. 31]


CU
1300
1302
1304
1306
1312
1314
1316
1318
PU
1322
2Nx2N
1324
2NxN
1326
Nx2N
1328
NxN
1332
2NxnU
1334
2NxnD
1336
nLx2N
1338
nRx2N
TU
TU
1342
TU size flag=0
1344
TU size flag=1
1352
TU size flag=0
1354
TU size flag=1

[Fig. 32]


START
SPLIT PICTURE INTO MAXIMUM CODING UNITS
1210
DETERMINE AT LEAST ONE CODED DEPTH ACCORDING TO EACH MAXIMUM CODING UNIT
1220
OUTPUT ENCODED IMAGE DATA AND ENCODING INFORMATION ACCORDING TO EACH MAXIMUM CODING UNIT
1230
END

[Fig. 33]


START
RECEIVE AND PARSE BITSTREAM OF ENCODED VIDEO
1310
EXTRACT ENCODED IMAGE DATA AND ENCODING INFORMATION ACCORDING TO EACH MAXIMUM CODING UNIT
1320
DECODE IMAGE DATA ACCORDING TO EACH MAXIMUM CODING UNIT BASED ON ENCODING INFORMATION
1330
END