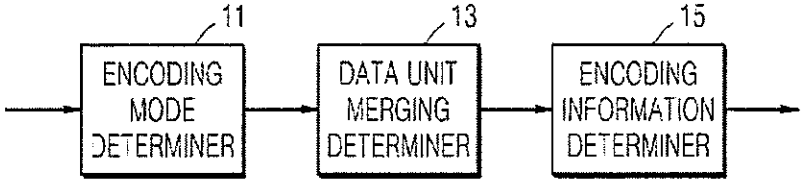
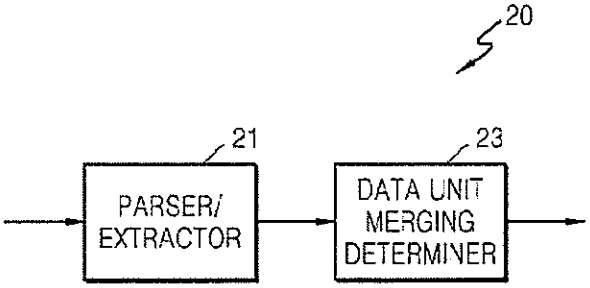
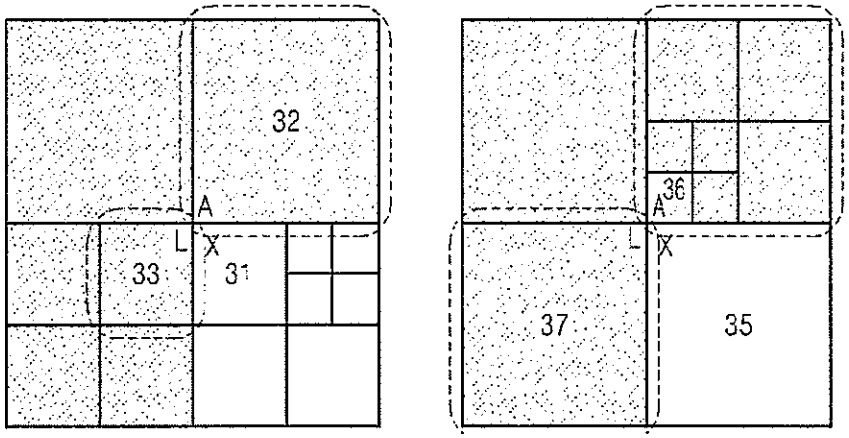
[Fig. 1]



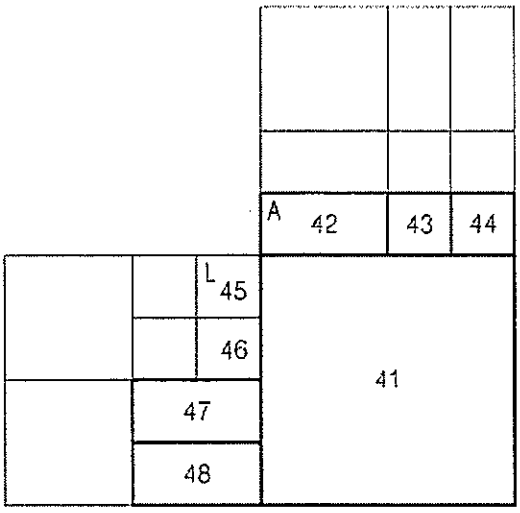
[Fig. 2]



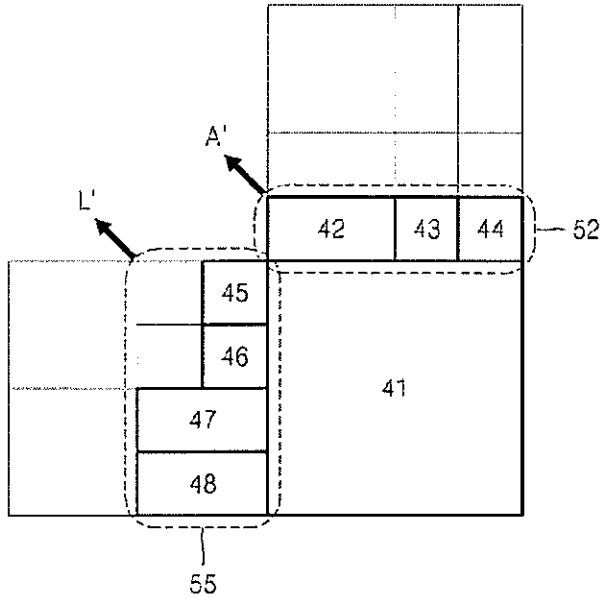
[Fig. 3]



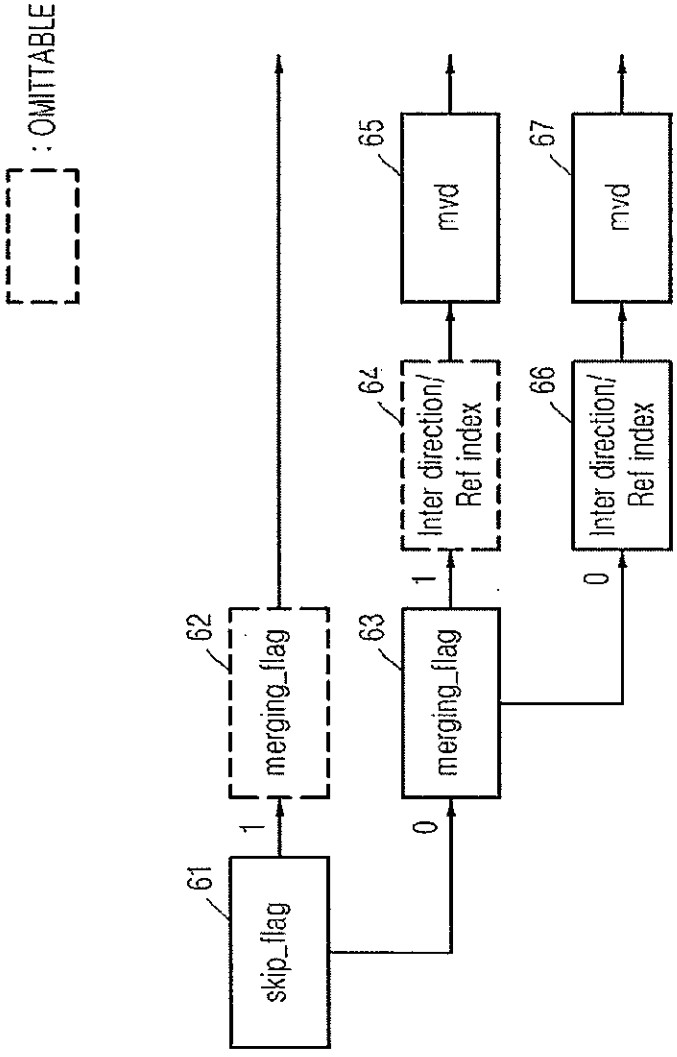
[Fig. 4]



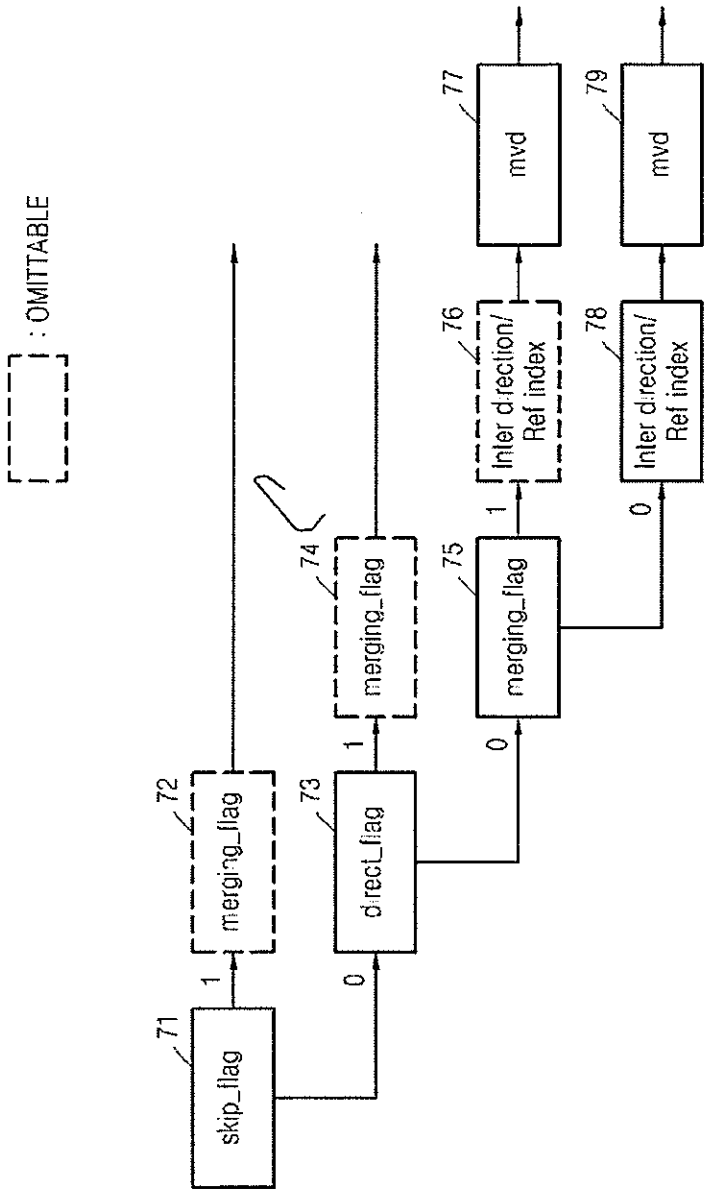
[Fig. 5]


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

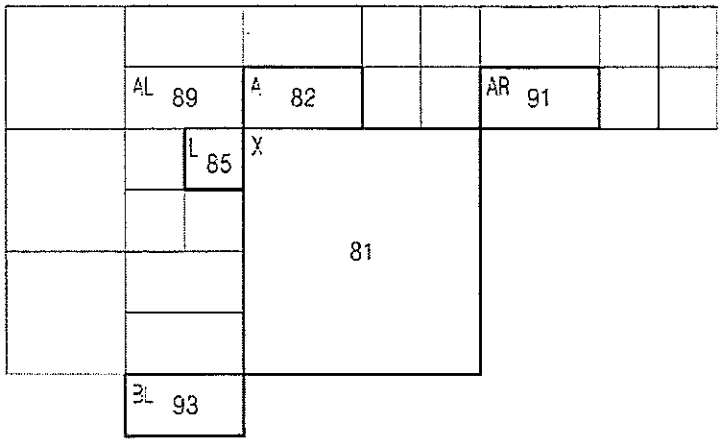
[Fig. 6]


: 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

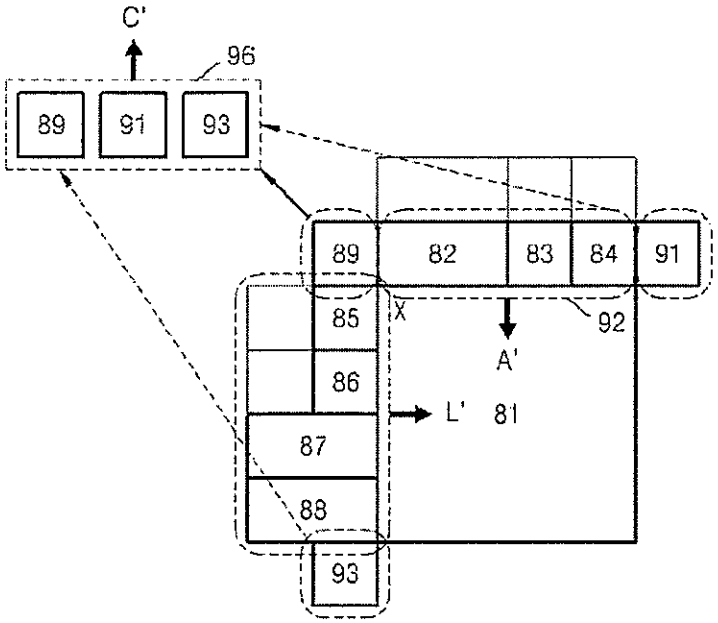
[Fig. 7]


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

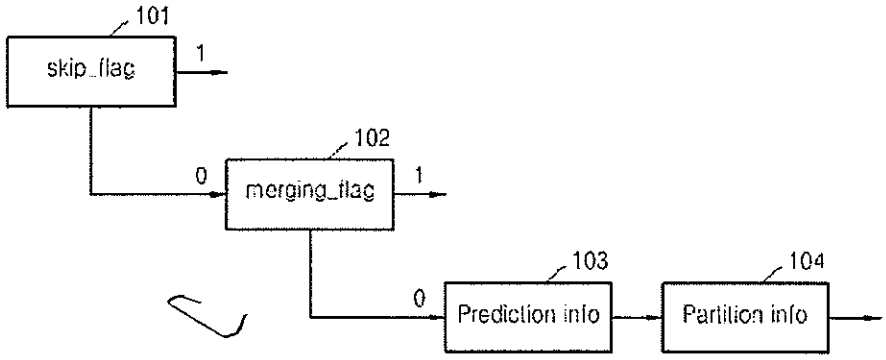
[Fig. 8]


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

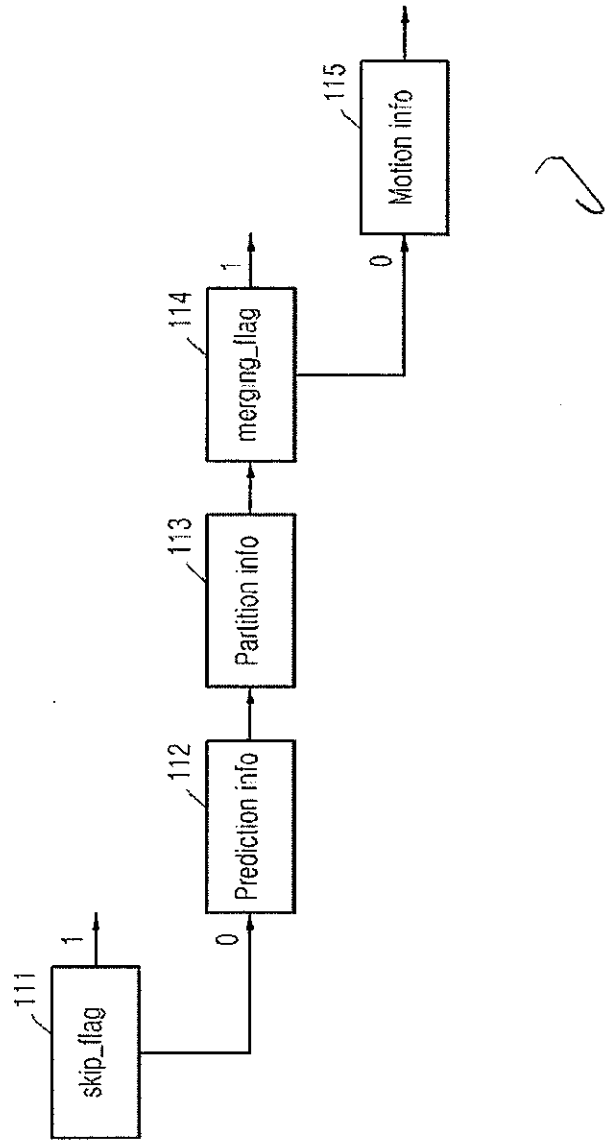
[Fig. 9]


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

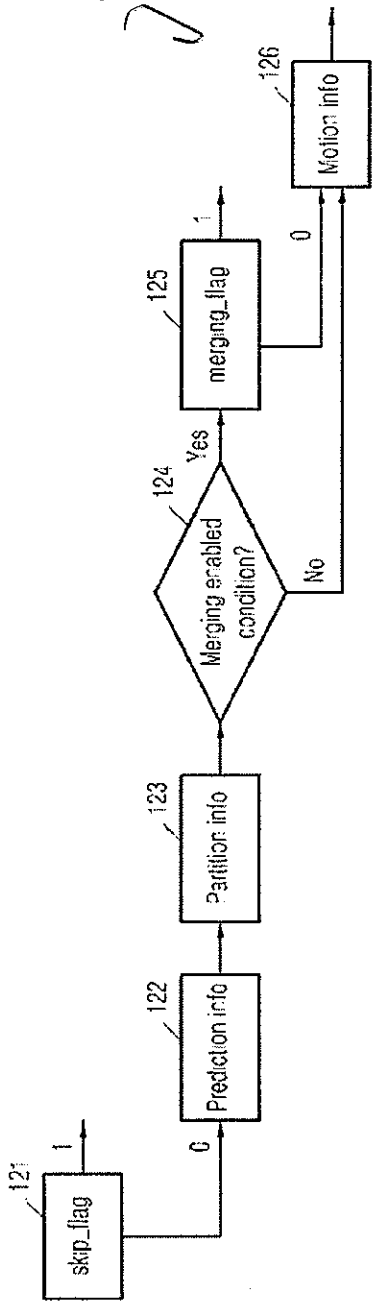
[Fig. 10]


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

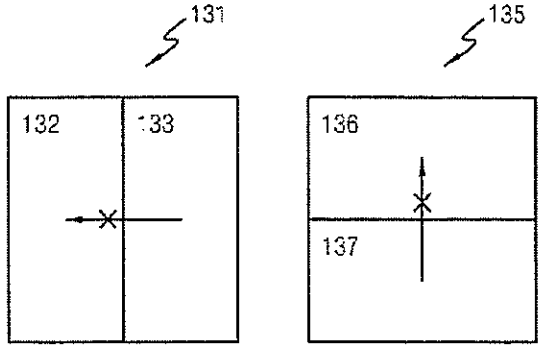
[Fig. 11]


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

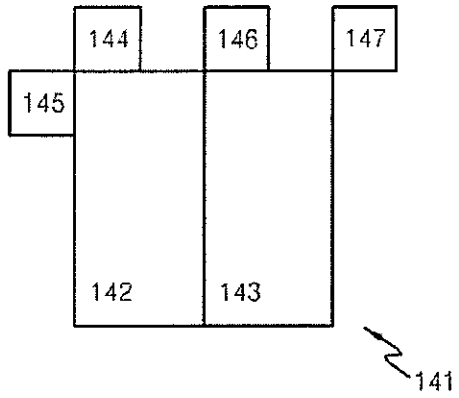
[Fig. 12]


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

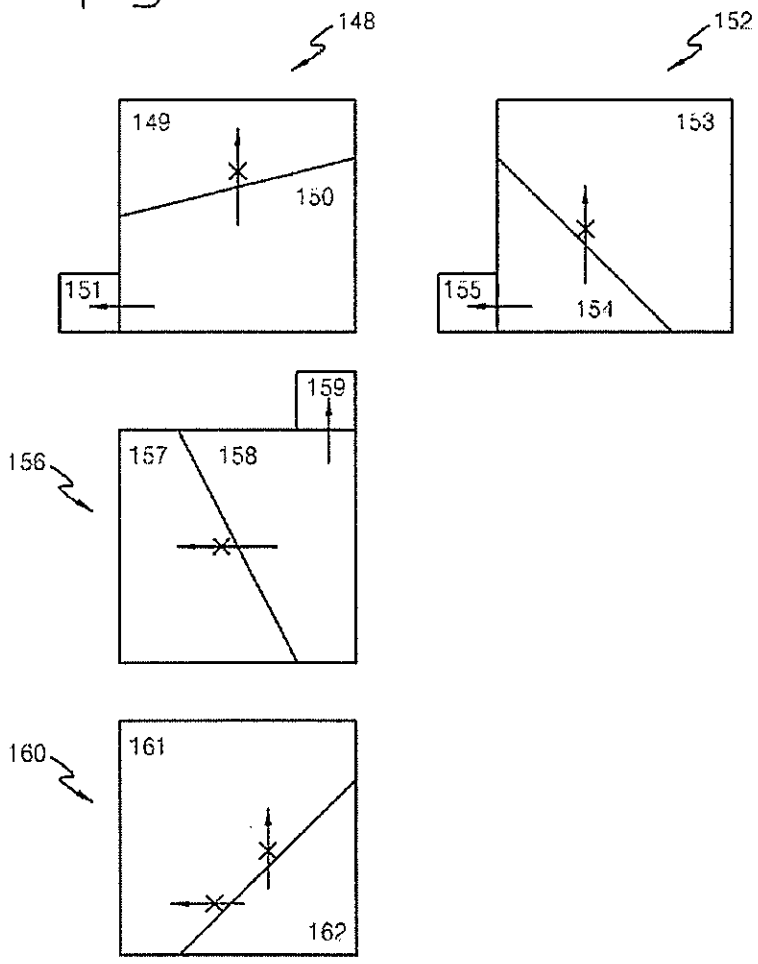
[Fig. 13]


131
132
133
135
136
137

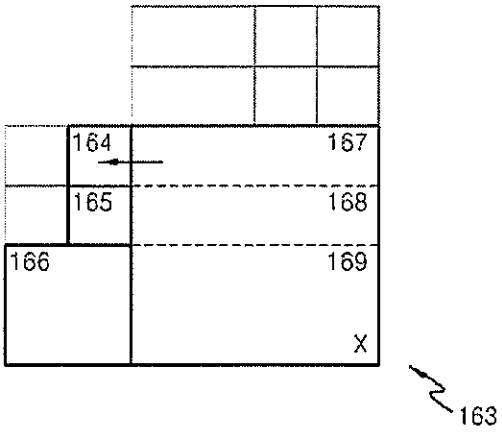
[Fig. 14]


144
146
147
145
142
143
141

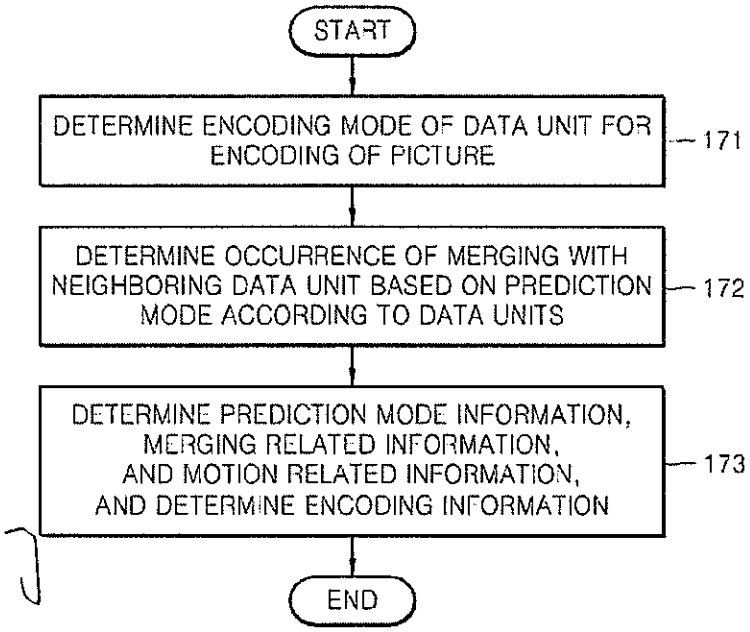
[Fig. 15]


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

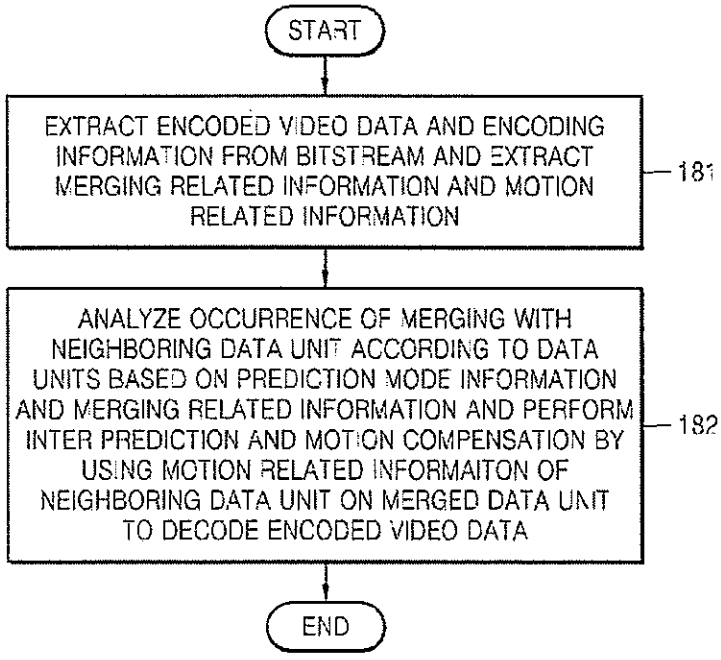
[Fig. 16]



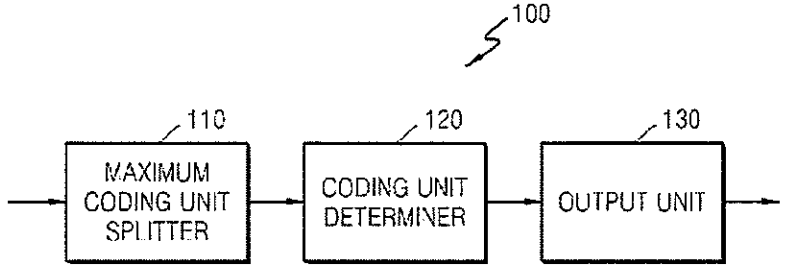
[Fig. 17]



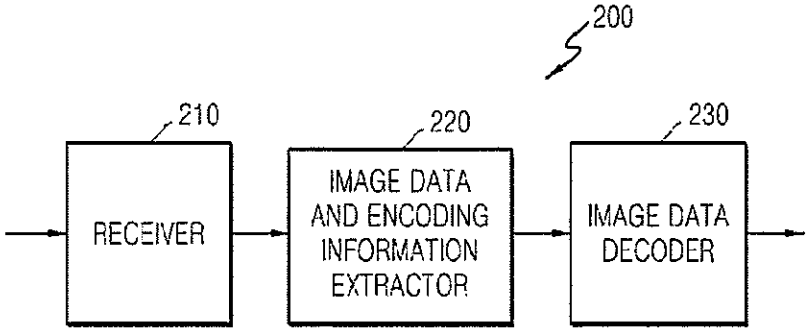
[Fig. 18]



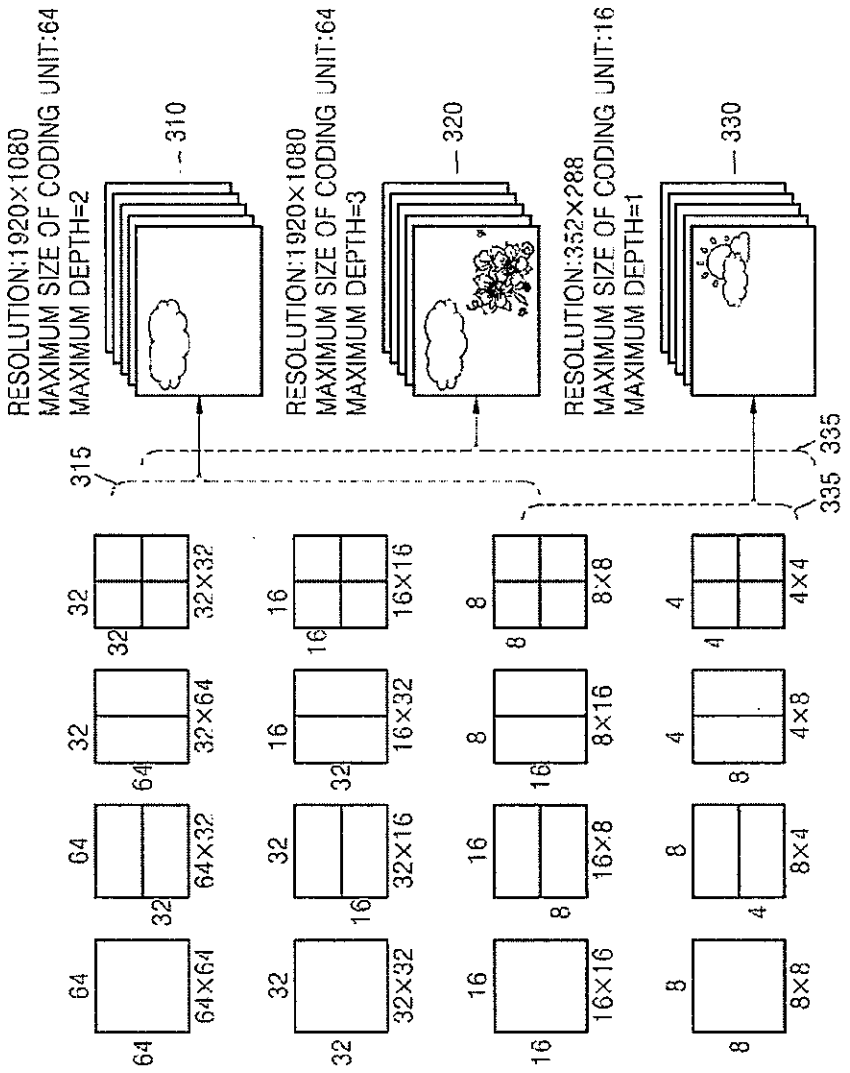
[Fig. 19]



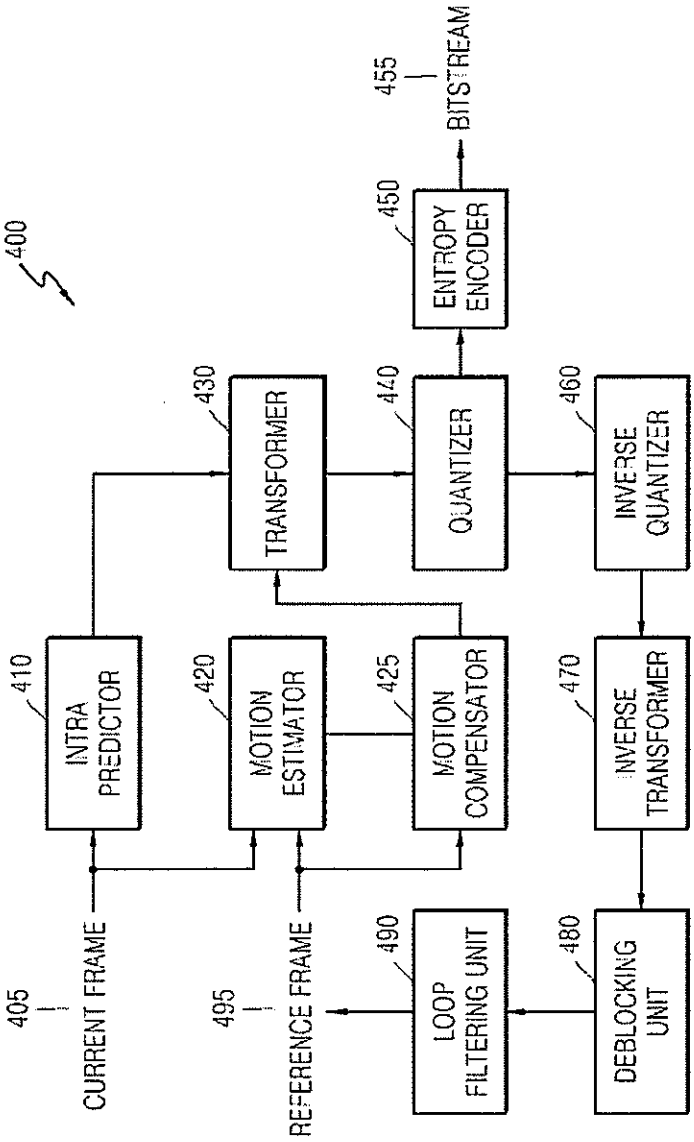
[Fig. 20]



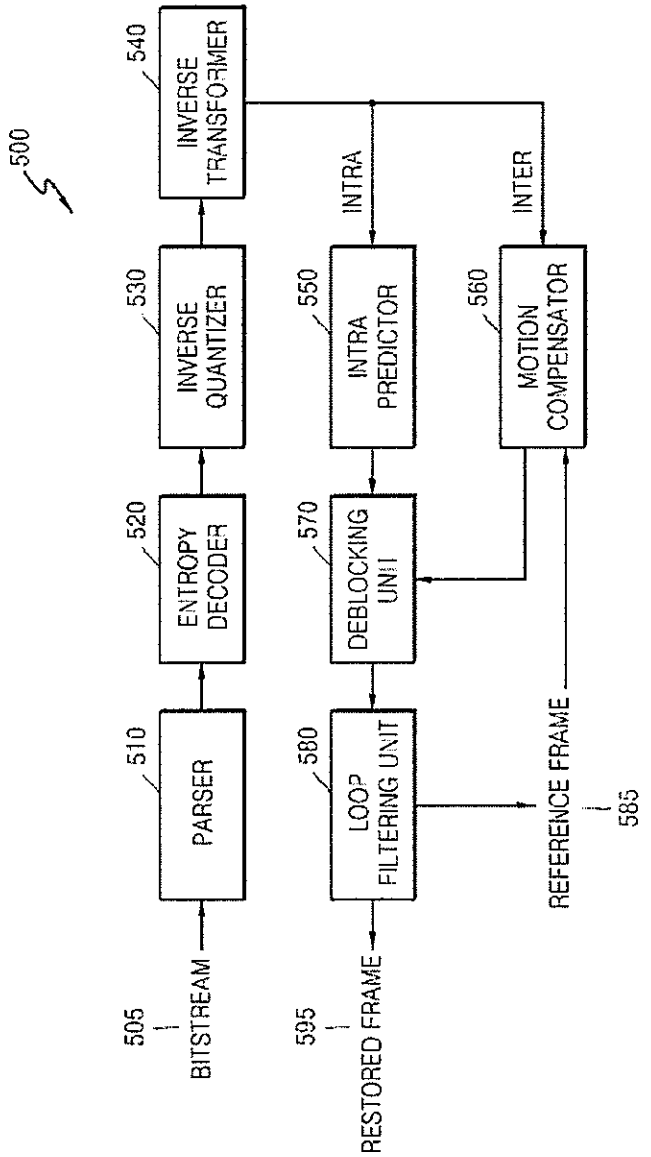
[Fig. 21]



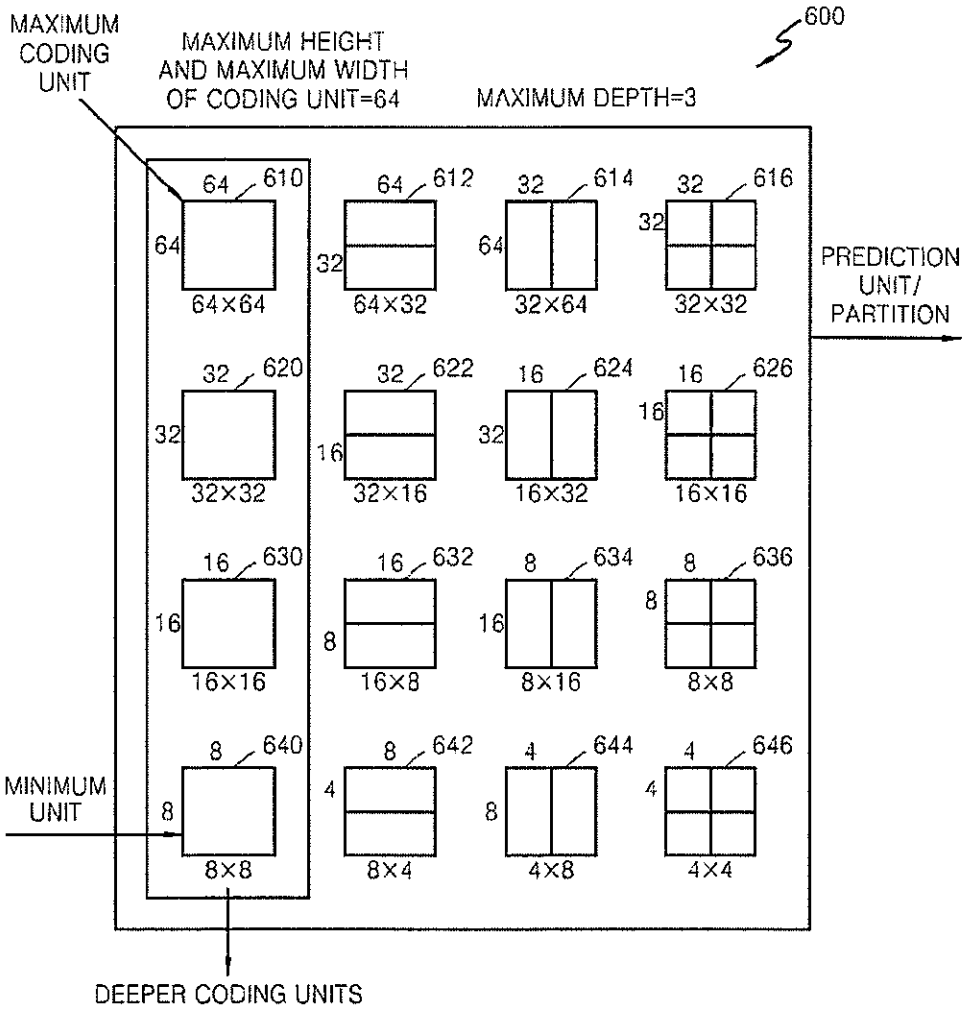
[Fig. 22]


400
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

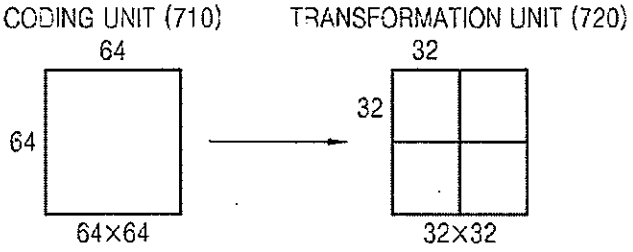
[Fig. 23]


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
585
REFERENCE FRAME
595
RESTORED FRAME
INTRA
INTER

[Fig. 24]

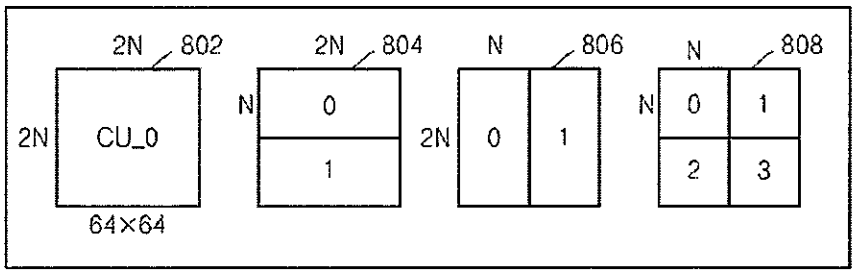

600
MAXIMUM CODING UNIT
MAXIMUM HEIGHT AND MAXIMUM WIDTH OF CODING UNIT=64
MAXIMUM DEPTH=3
PREDICTION UNIT/ PARTITION
64 610 64 64×64
64 612 32 64×32
32 614 64 32×64
32 616 32 32×32
32 620 32 32×32
32 622 16 32×16
16 624 32 16×32
16 626 16 16×16
16 630 16 16×16
16 632 8 16×8
8 634 16 8×16
8 636 8 8×8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

[Fig. 25]

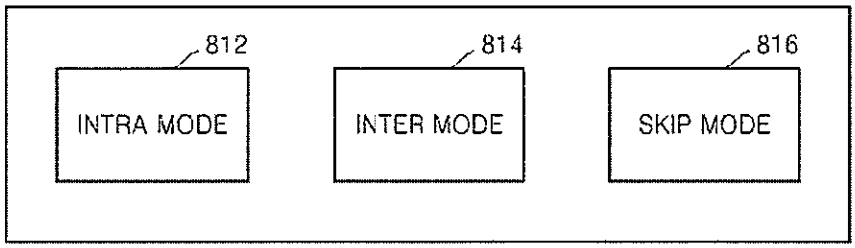

CODING UNIT (710)
TRANSFORMATION UNIT (720)
64
64
64×64
32
32
32×32

[Fig. 26]

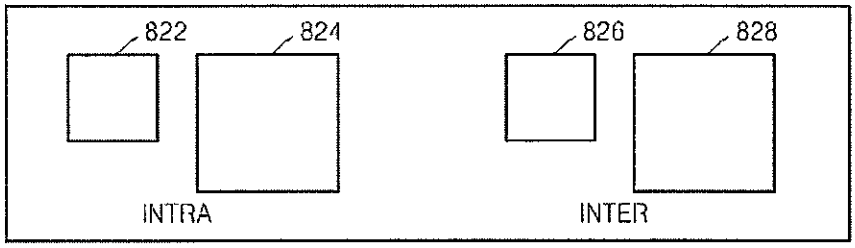
'PARTITION TYPE'-INFORMATION (800)



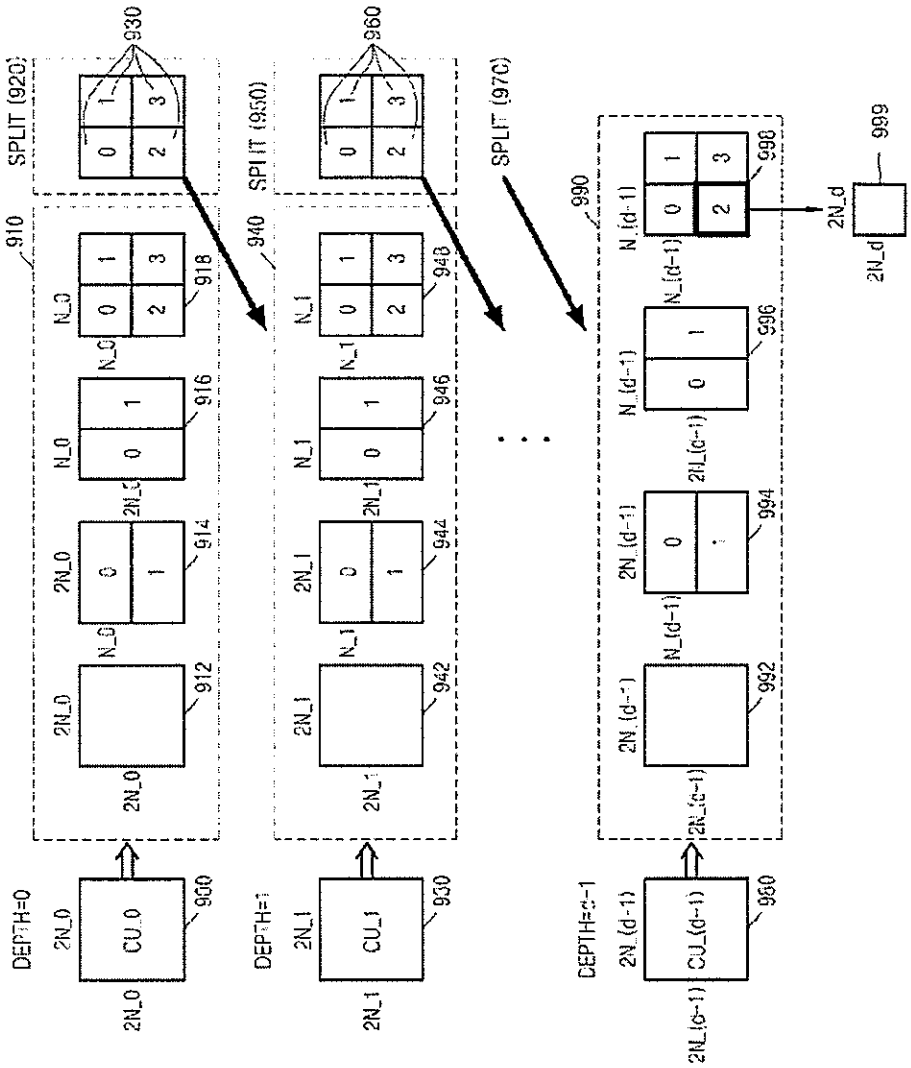
'PREDICTION MODE'-INFORMATION (810)



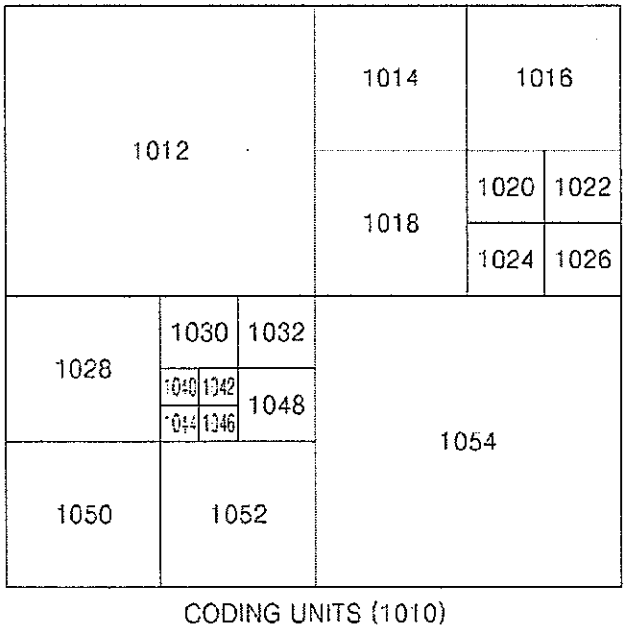
SIZE OF TRANSFORMATION UNIT'-INFORMATION (820)



[Fig. 27]

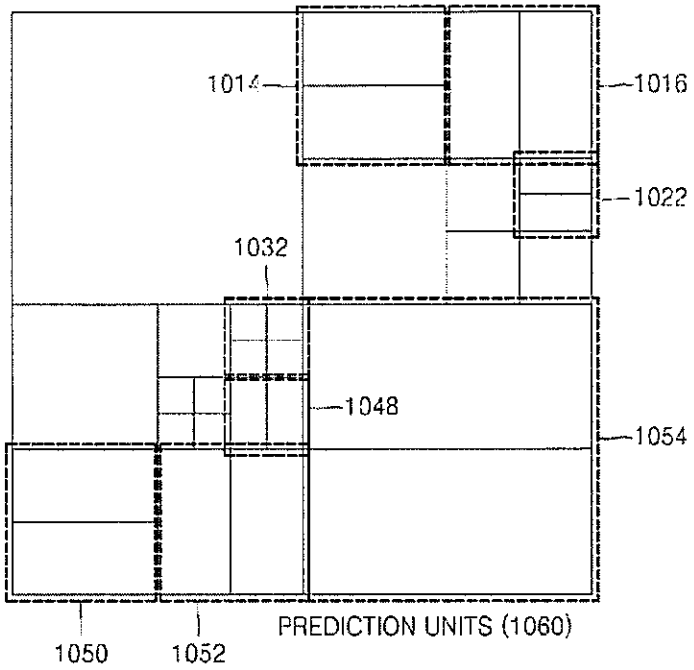


[Fig. 28]

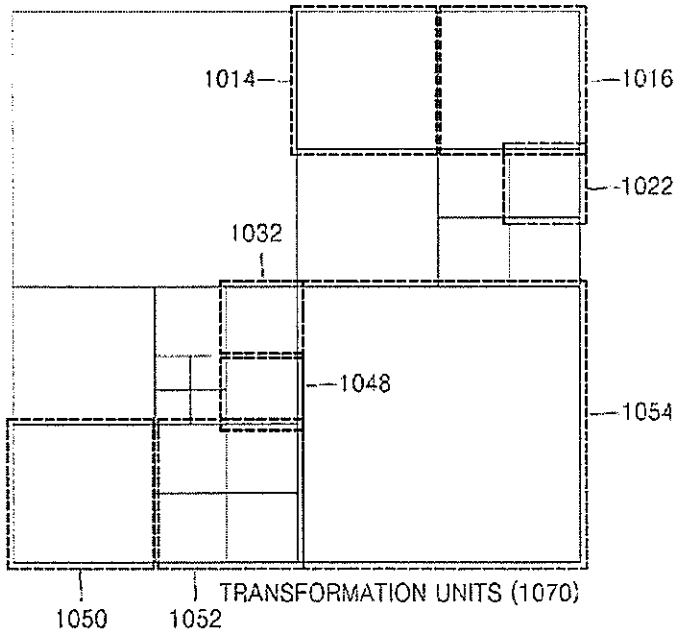


CODING UNITS (1010)

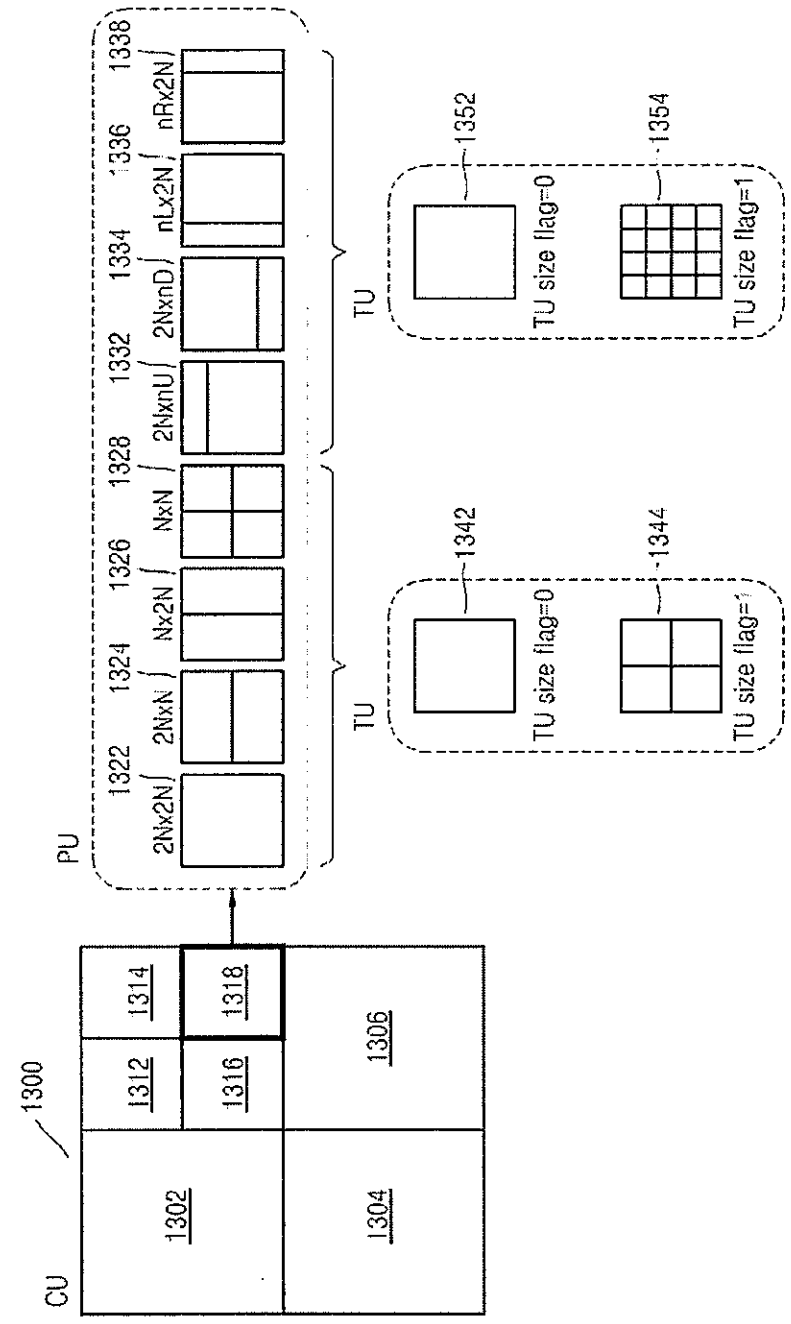
[Fig. 29]


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

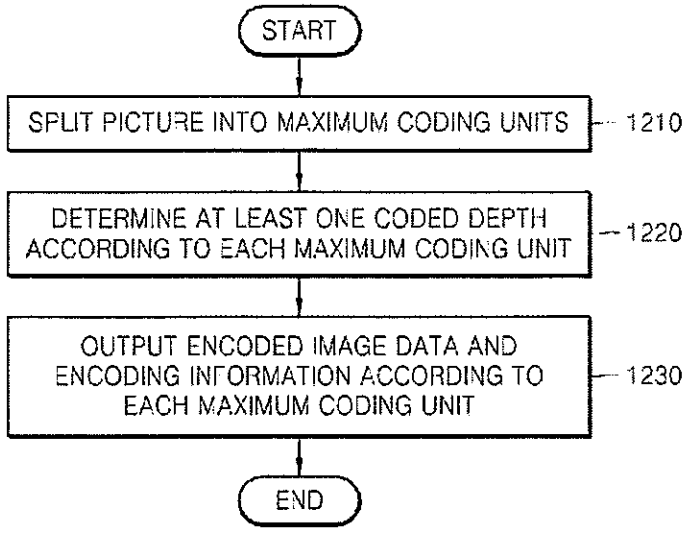
[Fig. 30]


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

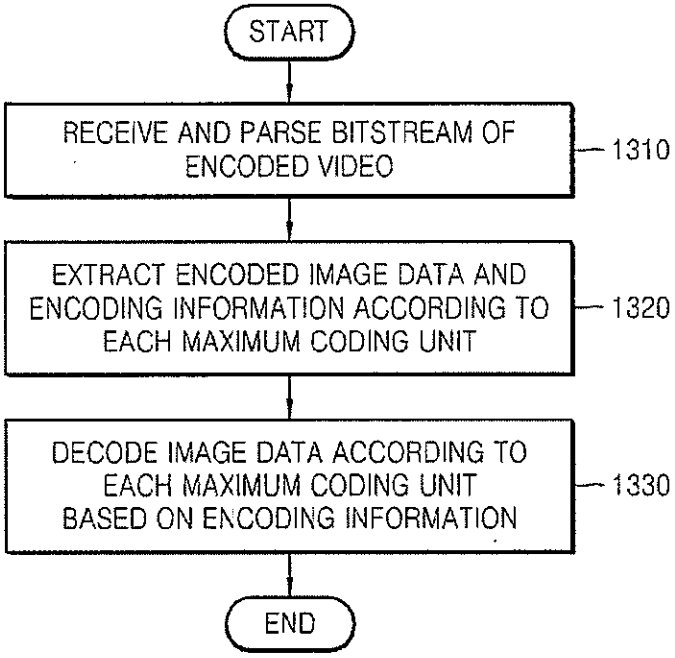
[Fig. 31]


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