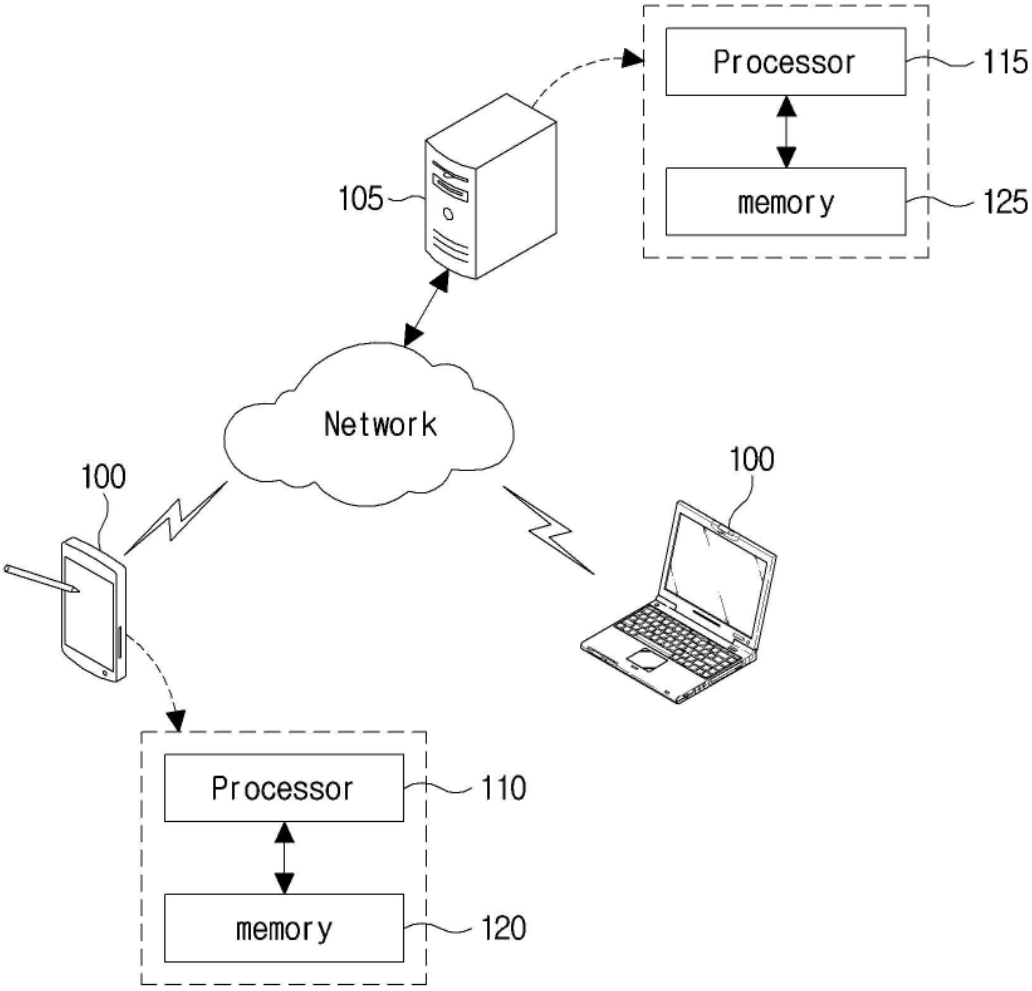
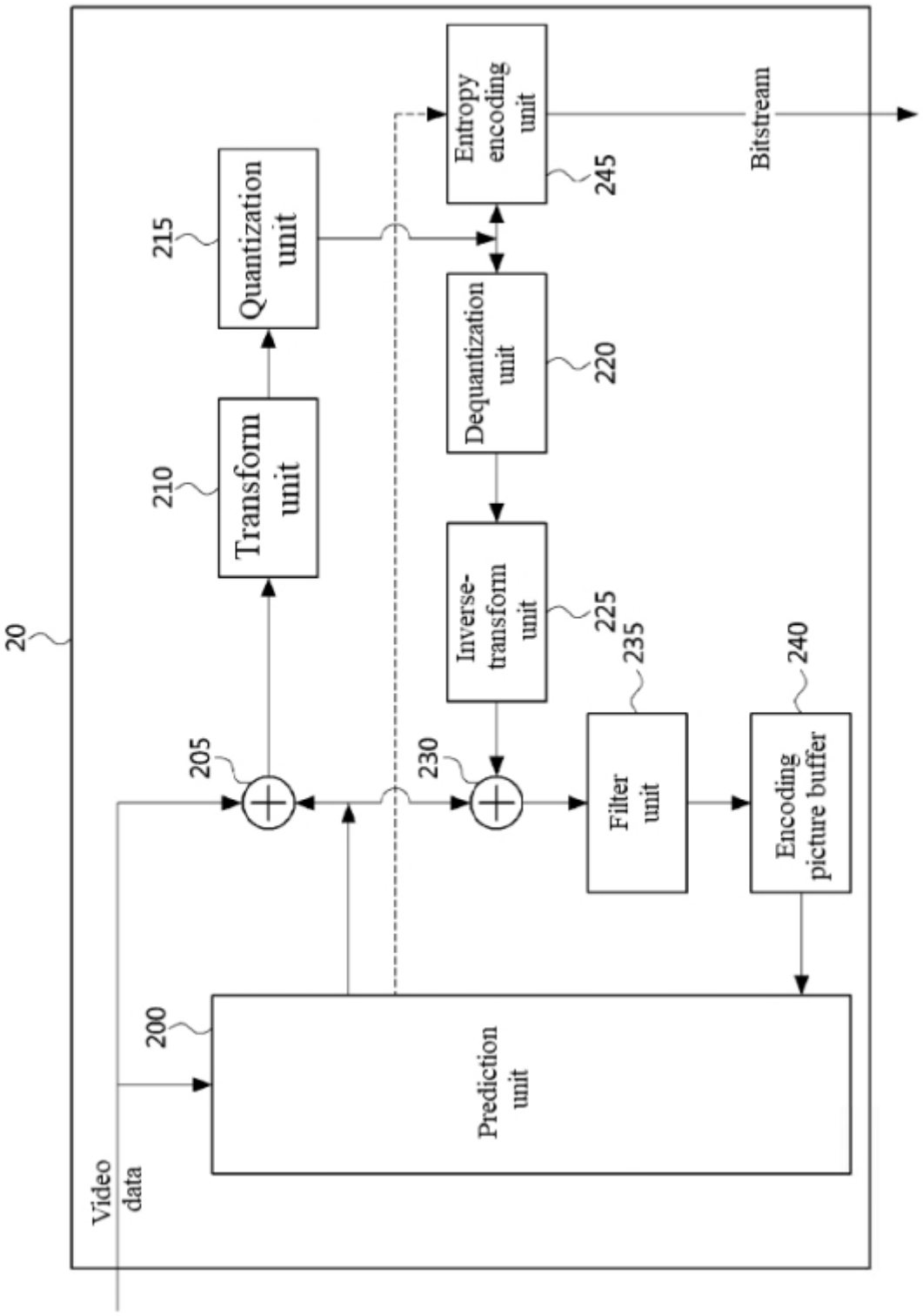
【FIGS】

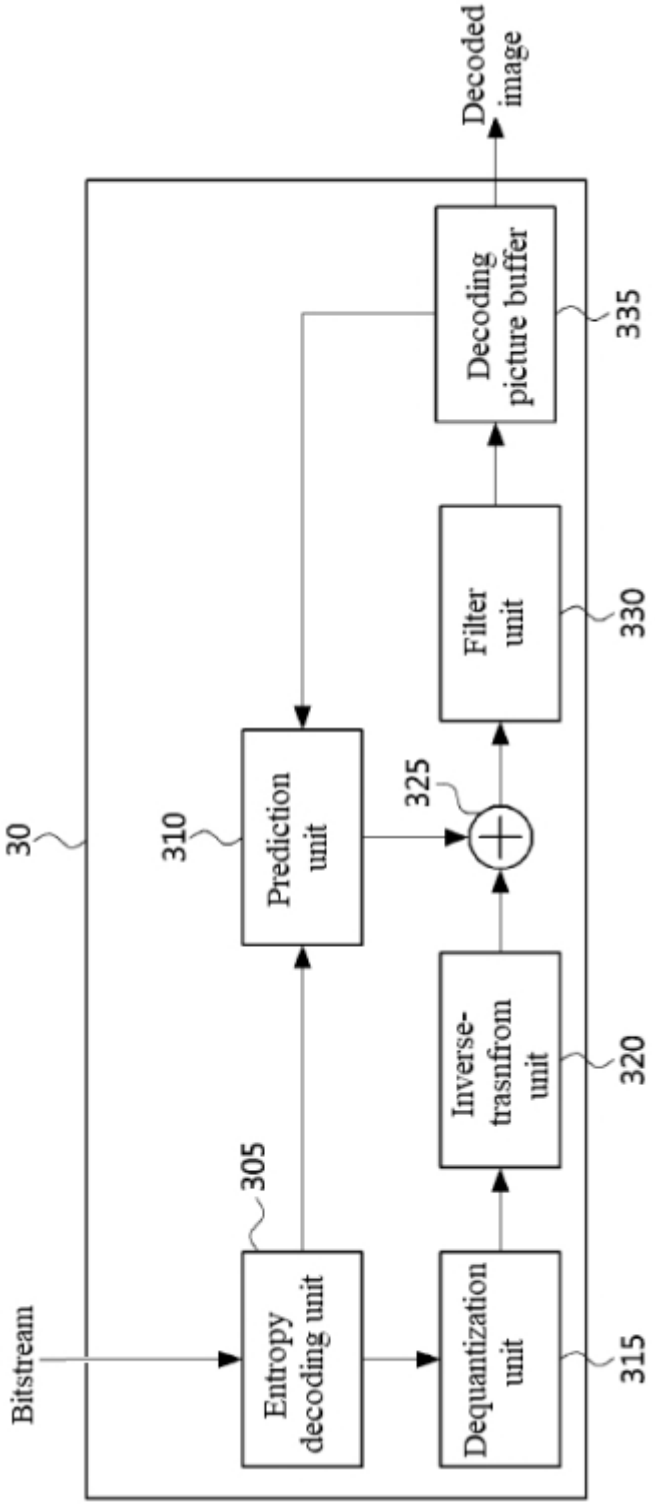
【FIG 1】


Processor
115
105
memory
125
Network
100
100
Processor
110
memory
120

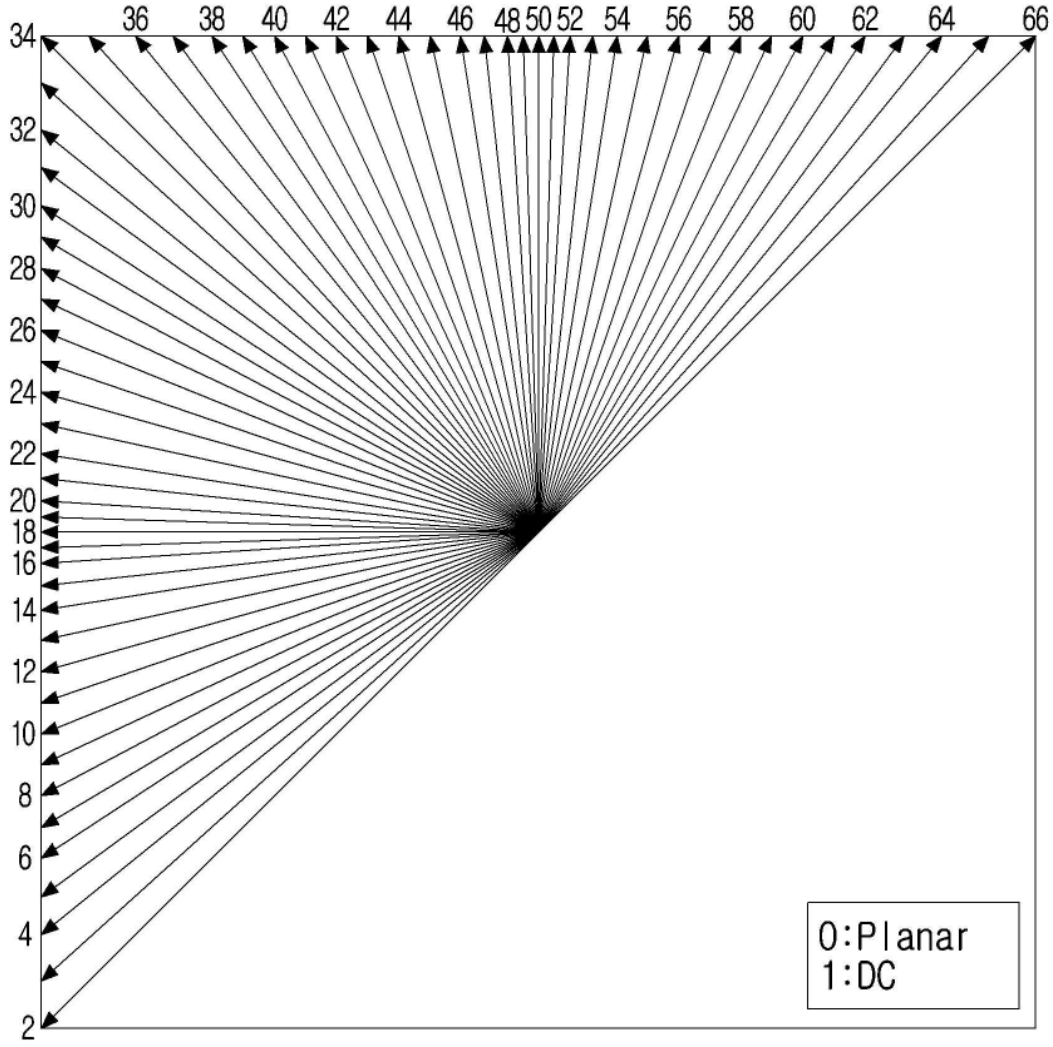
【FIG 2】


20
Video data
200
Prediction unit
205
210
Transform unit
215
Quantization unit
220
Dequantization unit
225
Inverse-transform unit
230
235
Filter unit
240
Encoding picture buffer
245
Entropy encoding unit
Bitstream

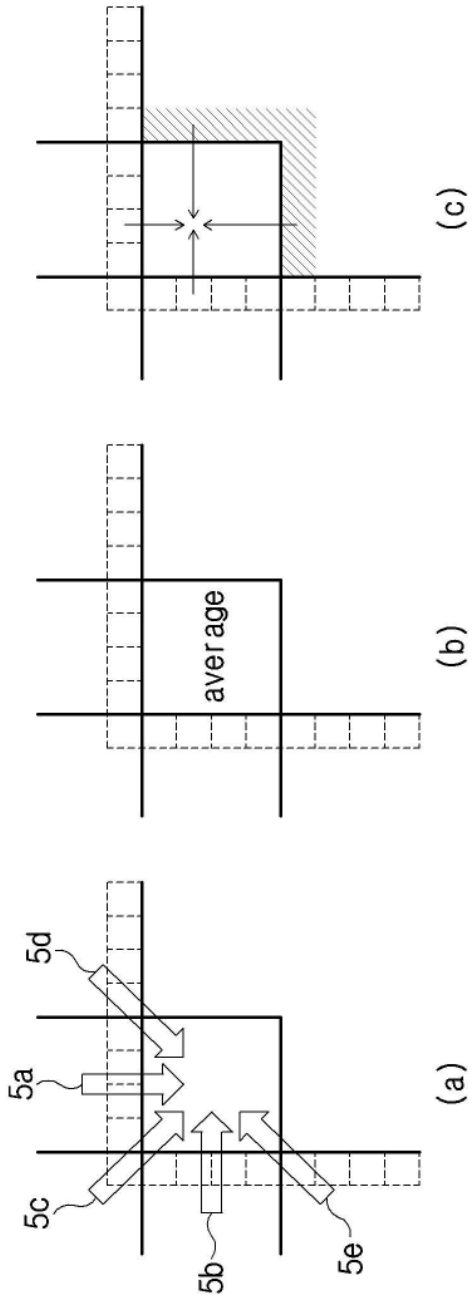
【FIG 3】


Decoded image
Decoding picture buffer
335
Filter unit
330
325
Prediction unit
310
30
Inverse-trasnfrom unit
320
305
Entropy decoding unit
Dequantization unit
315
Bitstream

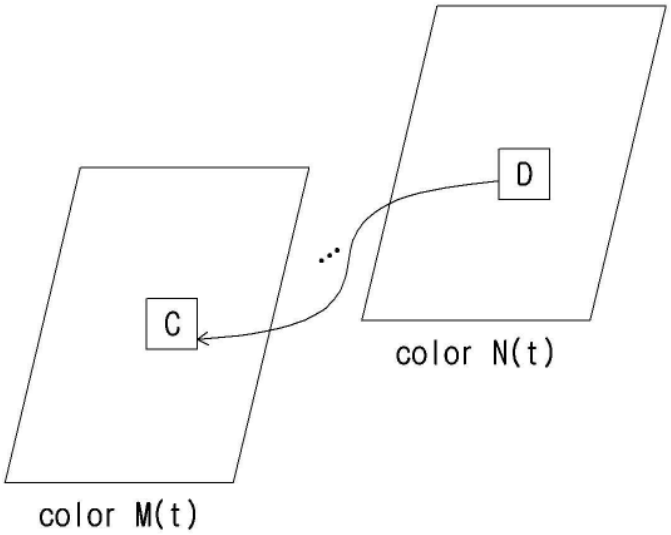
【FIG 4】


36
38
40
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52
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58
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62
64
66
34
32
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0:Planar
1:DC

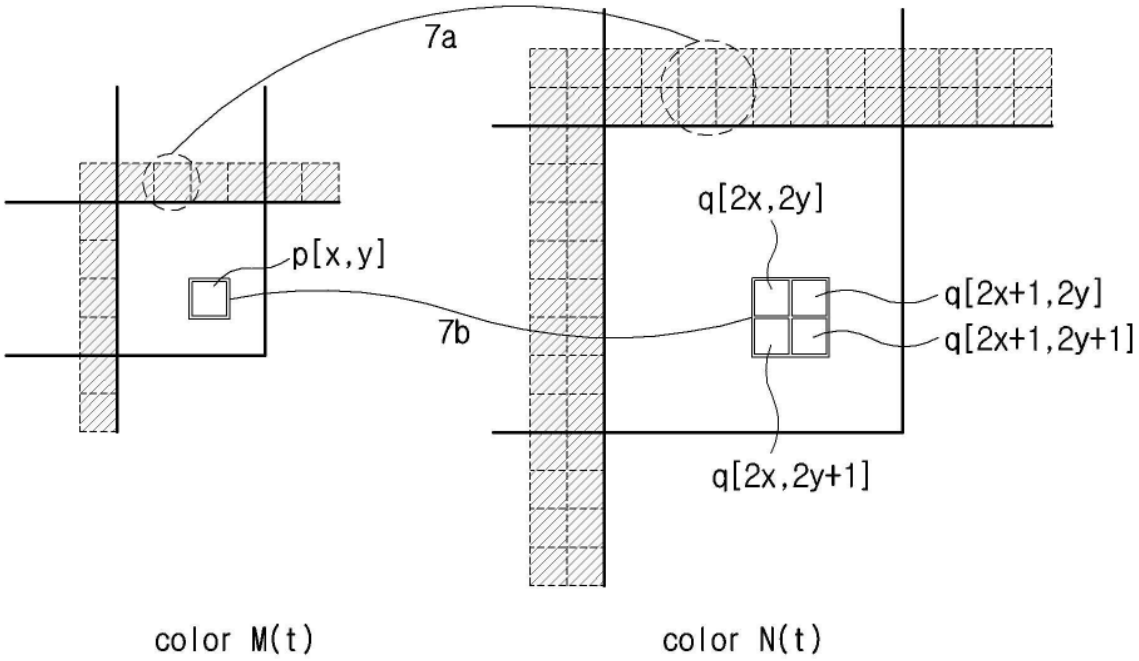
【FIG 5】



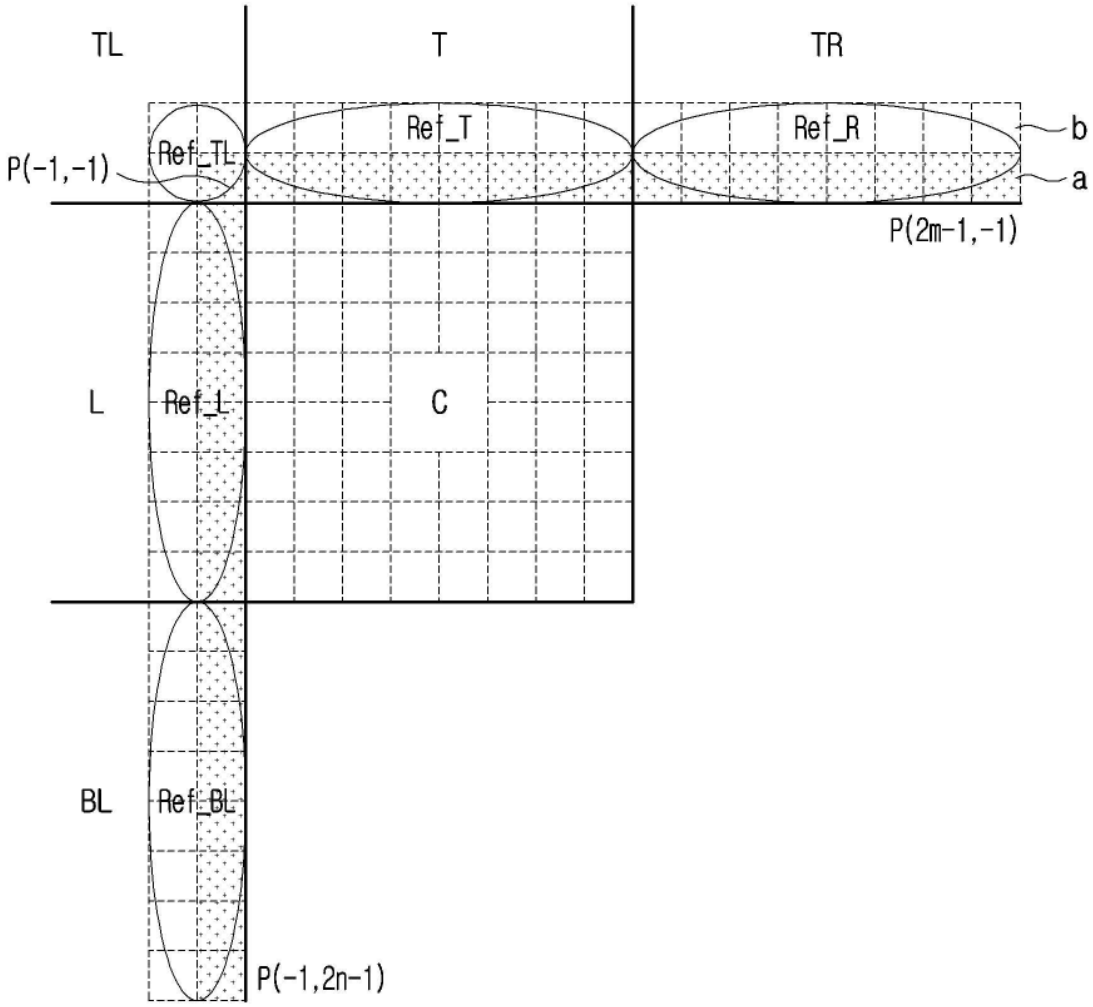
【FIG 6】


D
C
color N(t)
color M(t)

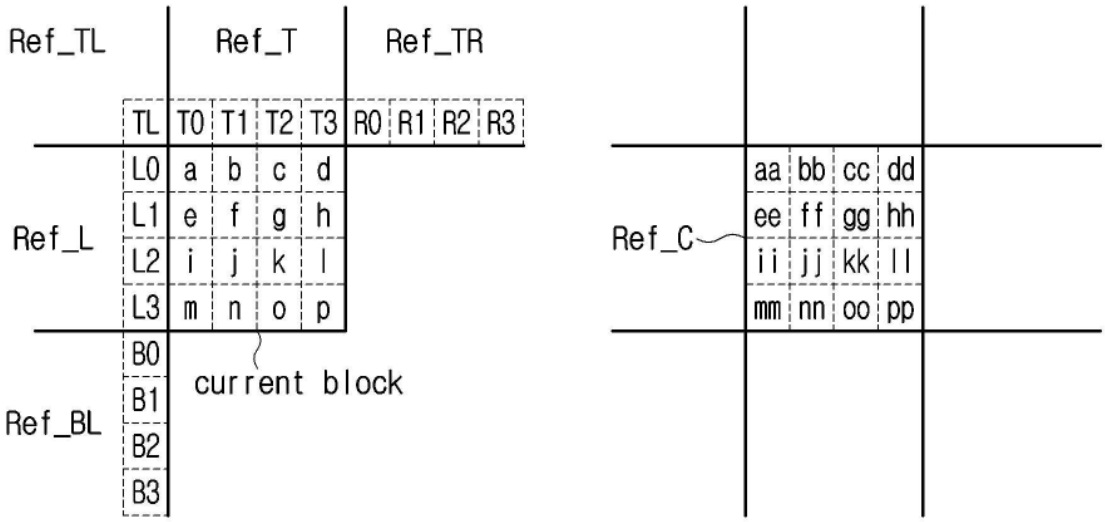
【FIG 7】


7a
p[x,y]
7b
q[2x,2y]
q[2x+1,2y]
q[2x+1,2y+1]
q[2x,2y+1]
color M(t)
color N(t)

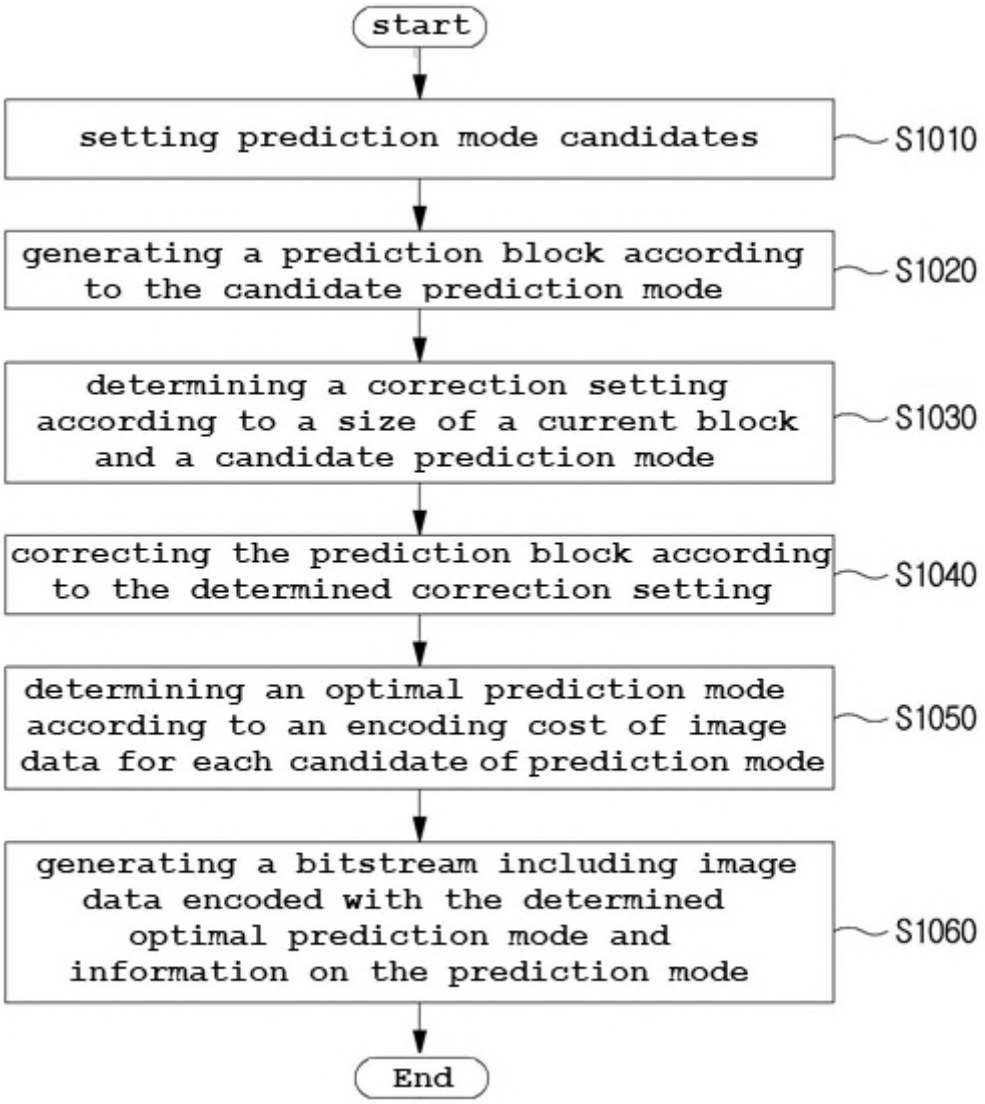
【FIG 8】



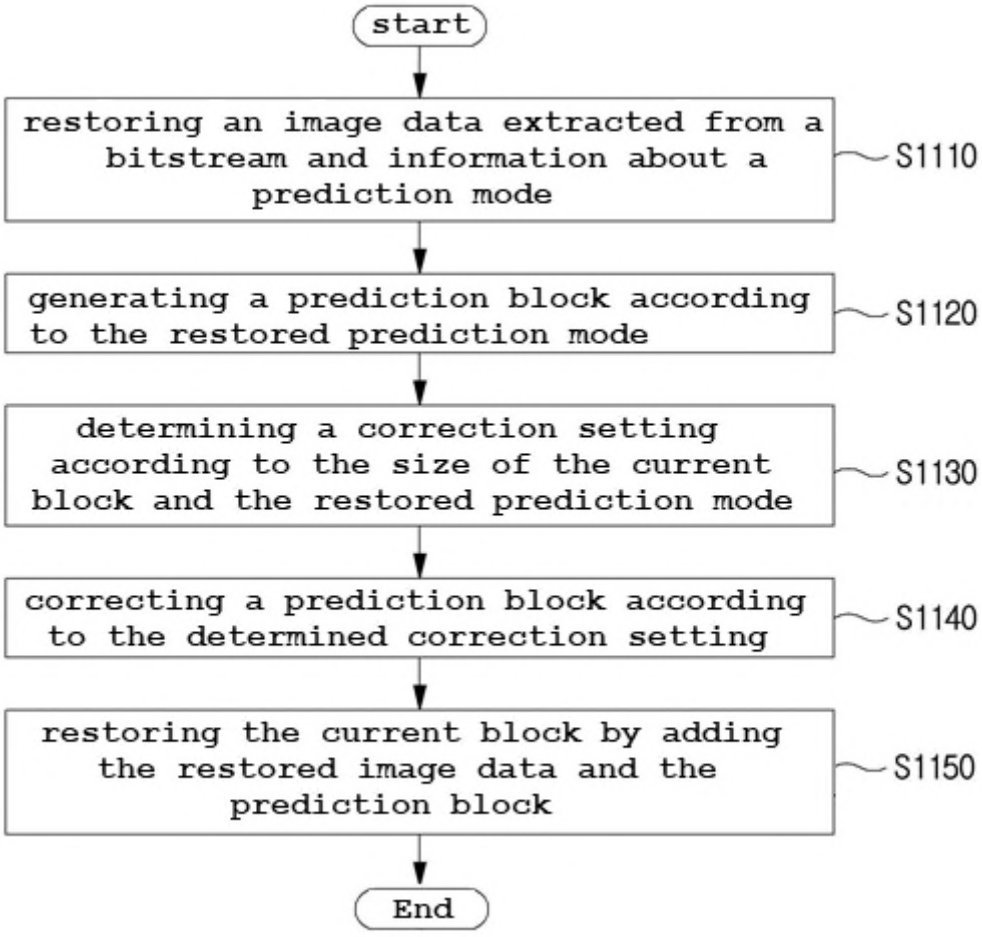
【FIG 9】


Ref_TL
Ref_T
Ref_TR
TL
T0
T1
T2
T3
R0
R1
R2
R3
Ref_L
L0
L1
L2
L3
a
b
c
d
e
f
g
h
i
j
k
l
m
n
o
p
Ref_BL
B0
B1
B2
B3
current block
Ref_C
aa
bb
cc
dd
ee
ff
gg
hh
ii
jj
kk
ll
mm
nn
oo
pp

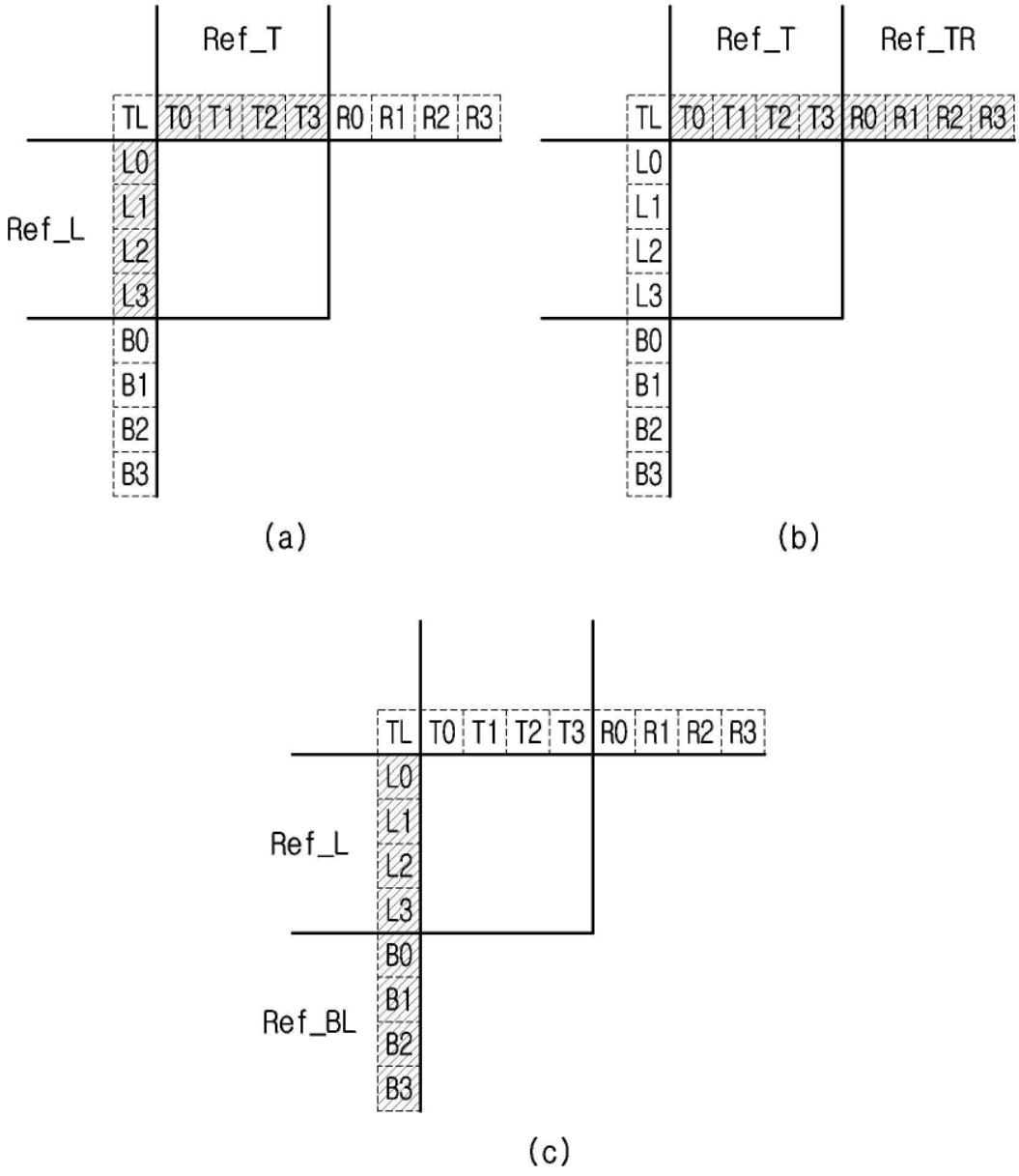
【FIG 10】


start
setting prediction mode candidates
S1010
generating a prediction block according to the candidate prediction mode
S1020
determining a correction setting according to a size of a current block and a candidate prediction mode
S1030
correcting the prediction block according to the determined correction setting
S1040
determining an optimal prediction mode according to an encoding cost of image data for each candidate of prediction mode
S1050
generating a bitstream including image data encoded with the determined optimal prediction mode and information on the prediction mode
S1060
End

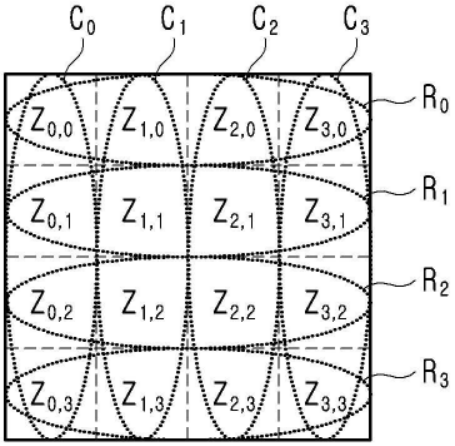
【FIG 11】


start
restoring an image data extracted from a bitstream and information about a prediction mode
S1110
generating a prediction block according to the restored prediction mode
S1120
determining a correction setting according to the size of the current block and the restored prediction mode
S1130
correcting a prediction block according to the determined correction setting
S1140
restoring the current block by adding the restored image data and the prediction block
S1150
End

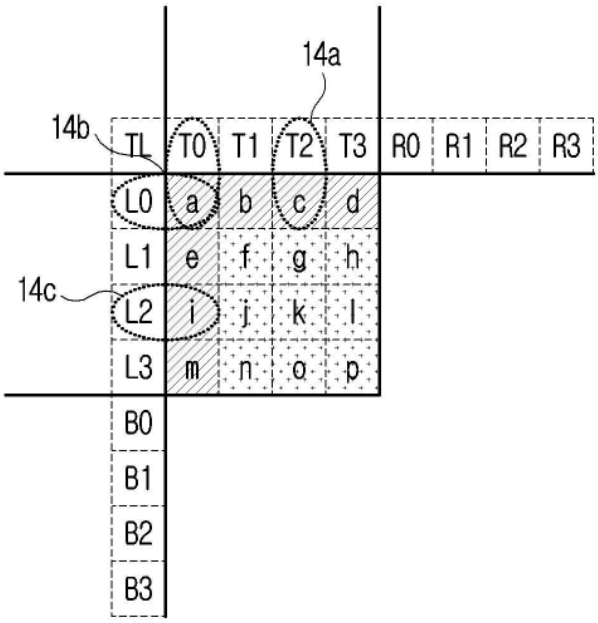
【FIG 12】


Ref_T
TL T0 T1 T2 T3 R0 R1 R2 R3
L0 L1 L2 L3 B0 B1 B2 B3
Ref_L
(a)
Ref_T
Ref_TR
TL T0 T1 T2 T3 R0 R1 R2 R3
L0 L1 L2 L3 B0 B1 B2 B3
(b)
TL T0 T1 T2 T3 R0 R1 R2 R3
L0 L1 L2 L3 B0 B1 B2 B3
Ref_L
Ref_BL
(c)

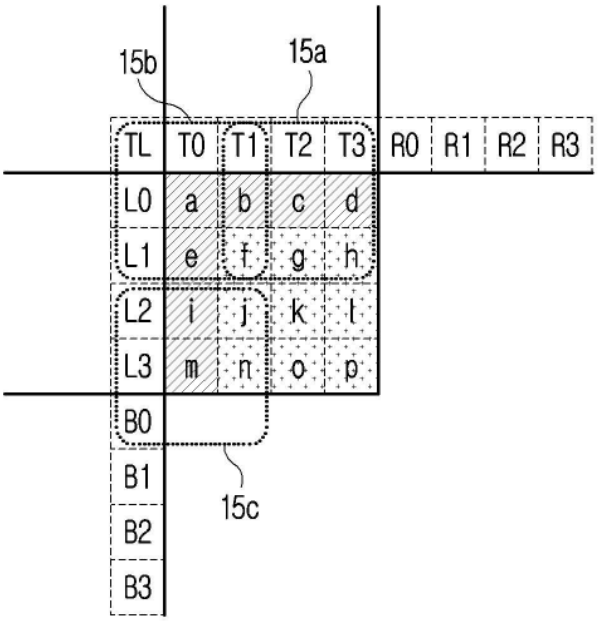
【FIG 13】


C0
C1
C2
C3
R0
R1
R2
R3
Z0,0
Z1,0
Z2,0
Z3,0
Z0,1
Z1,1
Z2,1
Z3,1
Z0,2
Z1,2
Z2,2
Z3,2
Z0,3
Z1,3
Z2,3
Z3,3

【FIG 14】


14a
14b
14c
TL
T0
T1
T2
T3
R0
R1
R2
R3
L0
L1
L2
L3
B0
B1
B2
B3
a
b
c
d
e
f
g
h
i
j
k
l
m
n
o
p

【FIG 15】


15b
15a
TL
T0
T1
T2
T3
R0
R1
R2
R3
L0
a
b
c
d
L1
e
f
g
h
L2
i
j
k
l
L3
m
n
o
p
B0
B1
B2
B3
15c