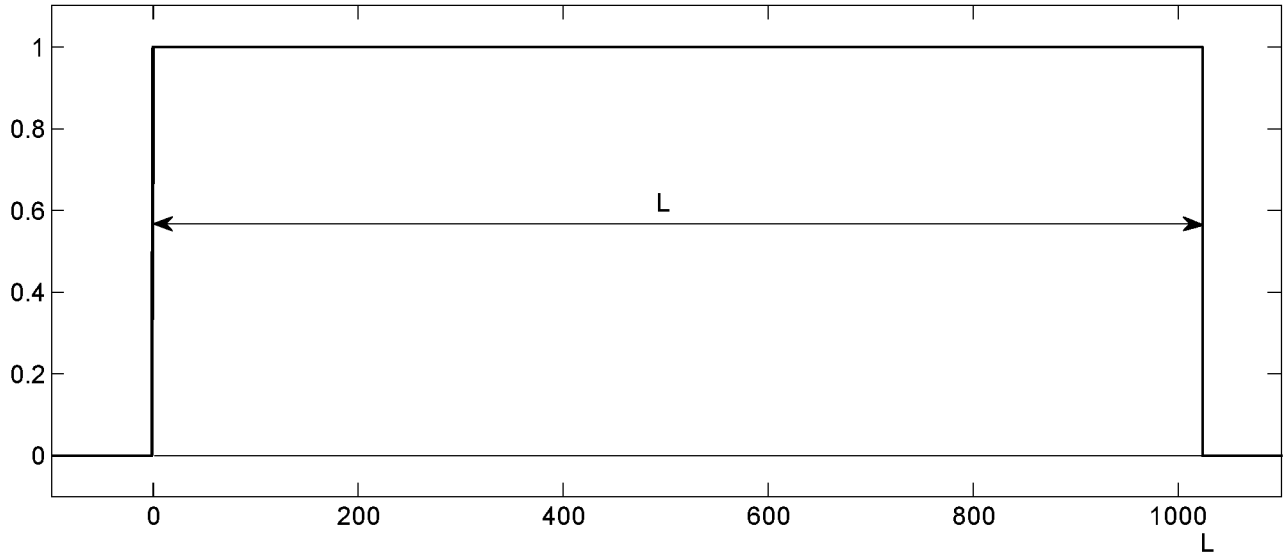

1
0.8
0.6
0.4
0.2
0
L
0
200
400
600
800
1000
L

FIG. 1

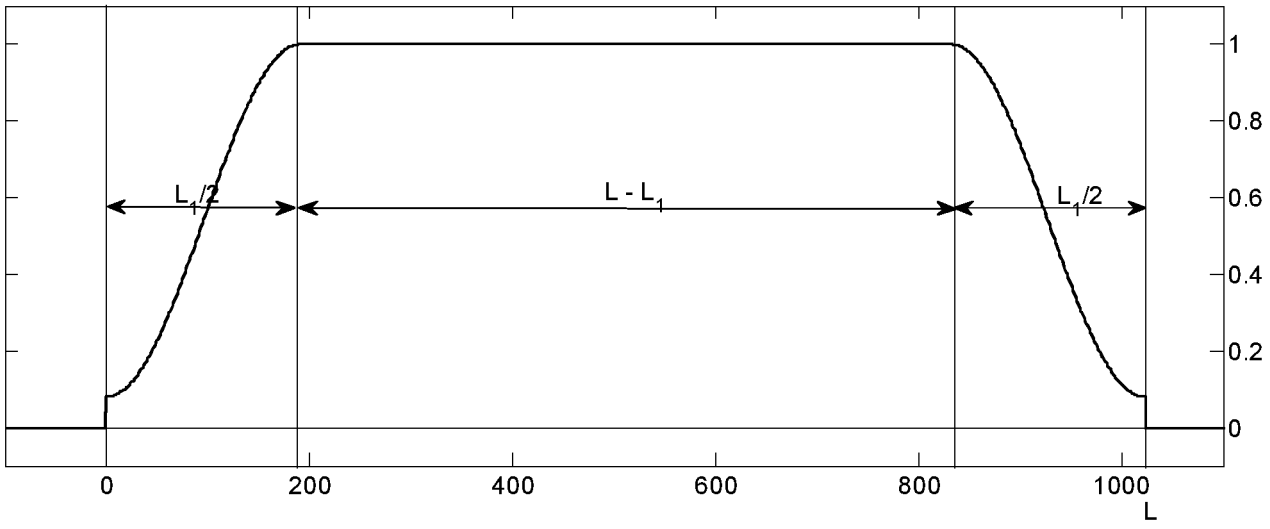

L1/2
L - L1
L1/2
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
L

FIG. 2

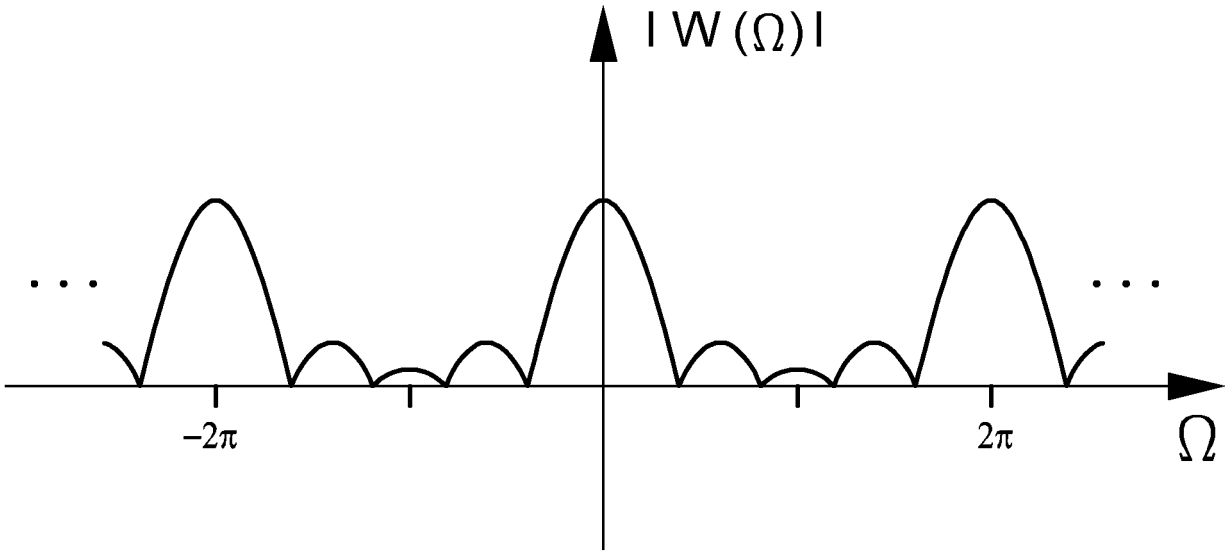


FIG. 3

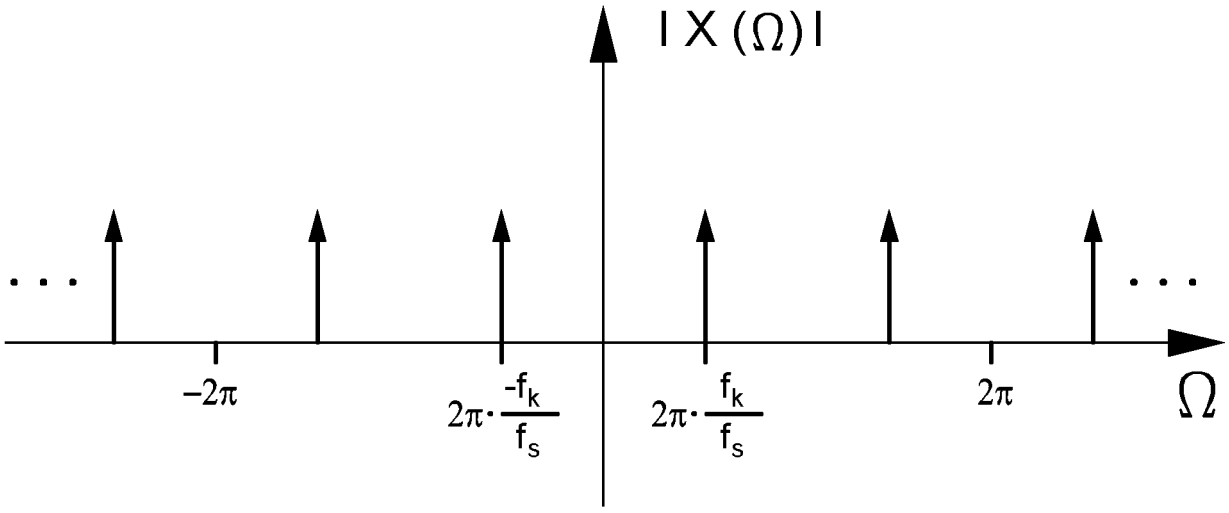


FIG. 4

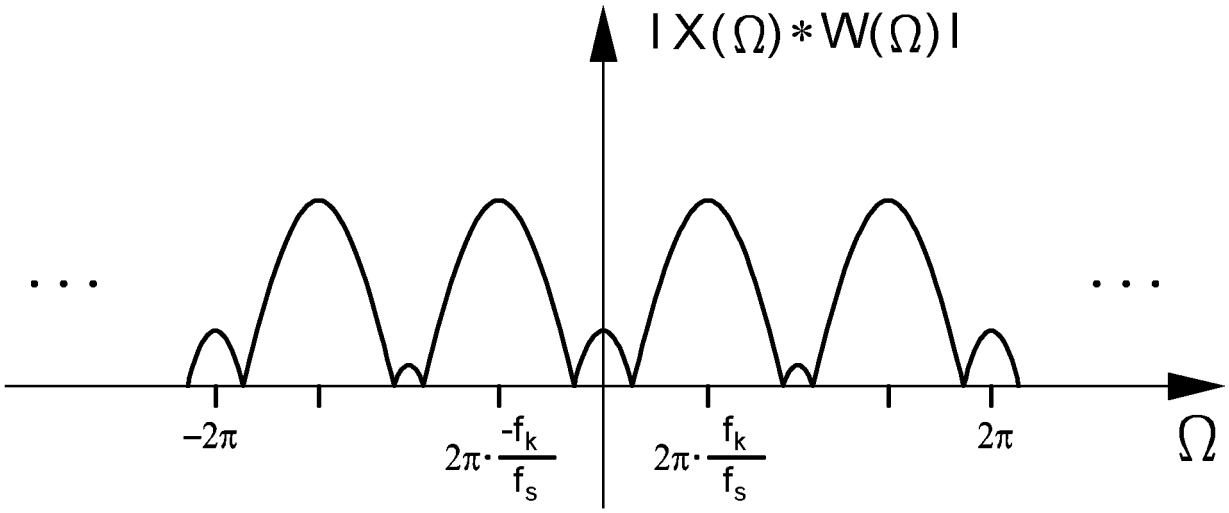


FIG. 5

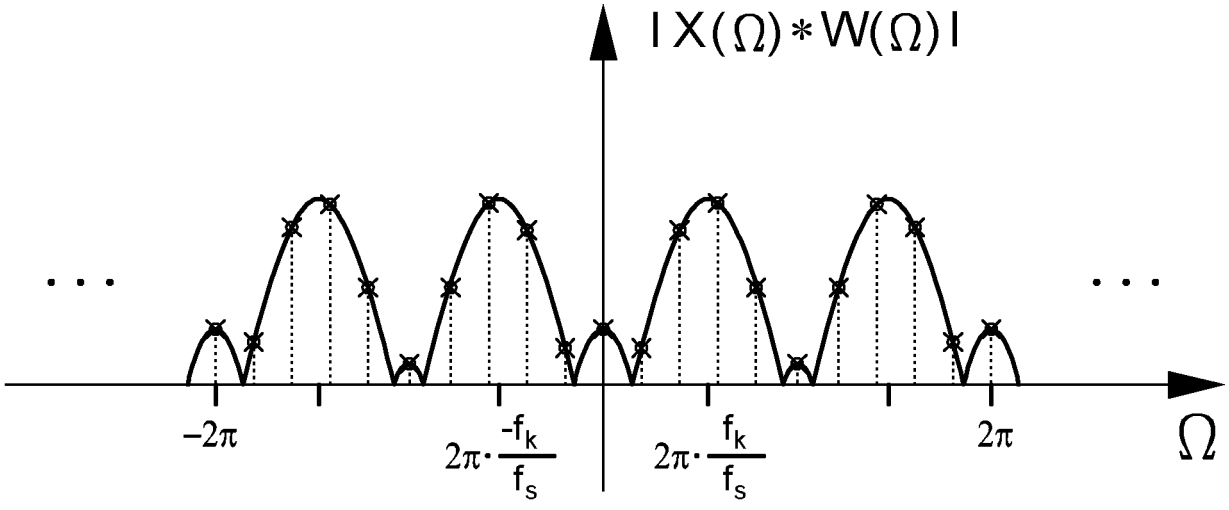


FIG. 6

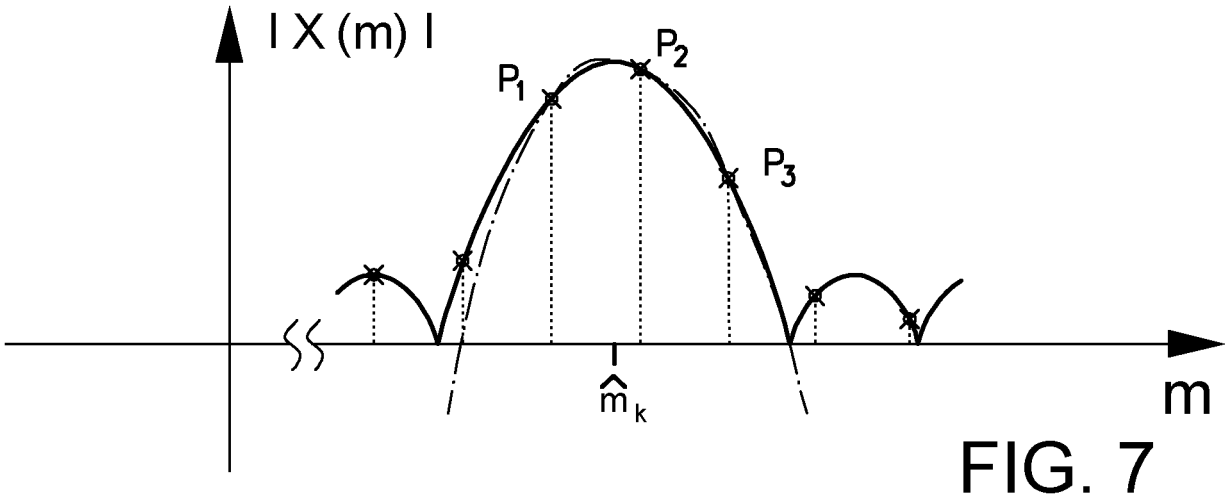


FIG. 7

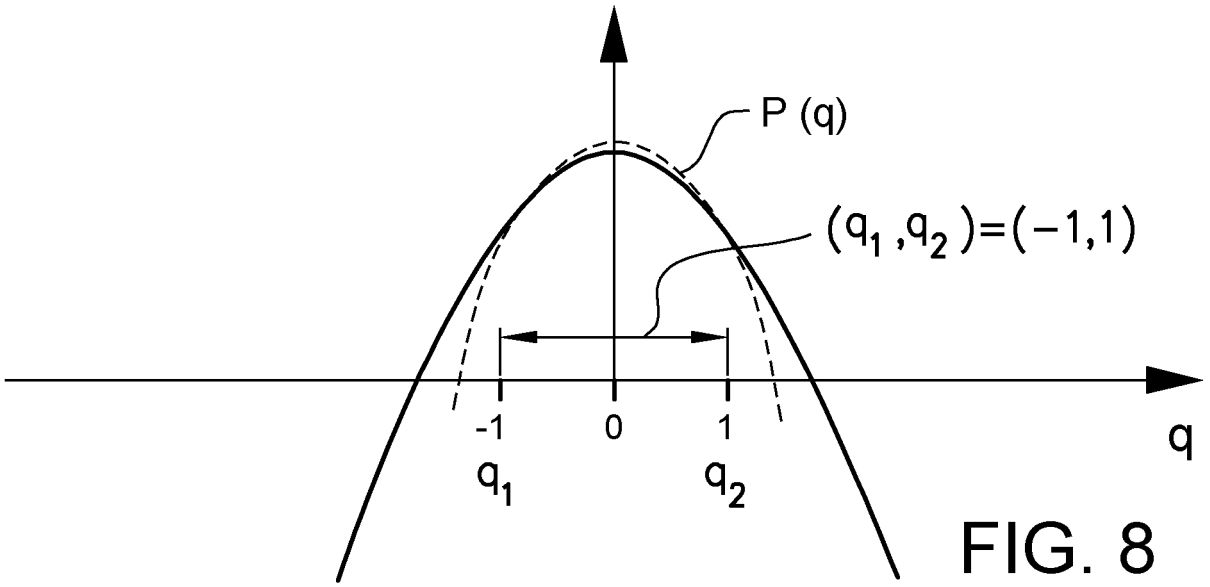


FIG. 8

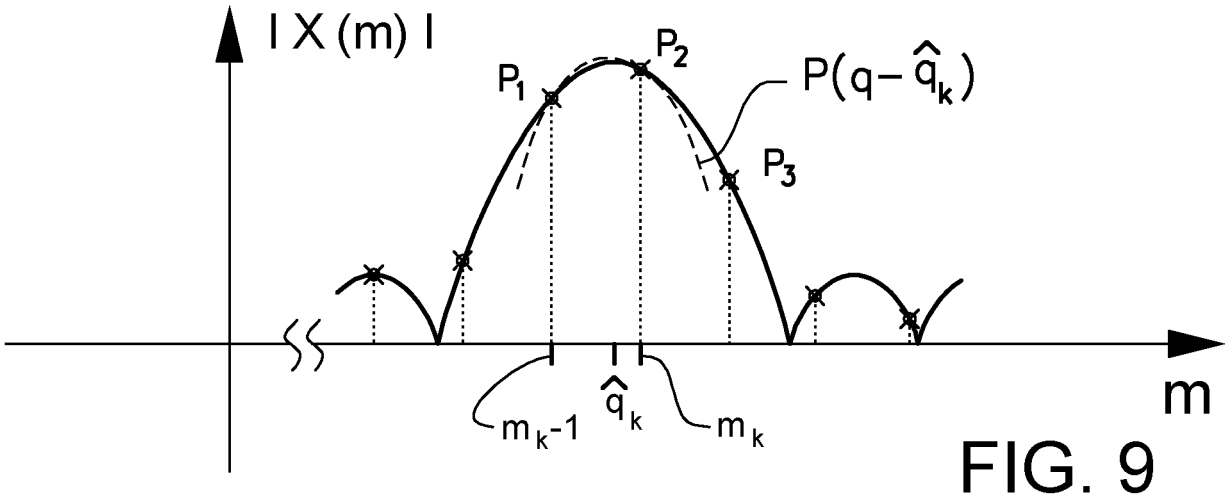


FIG. 9

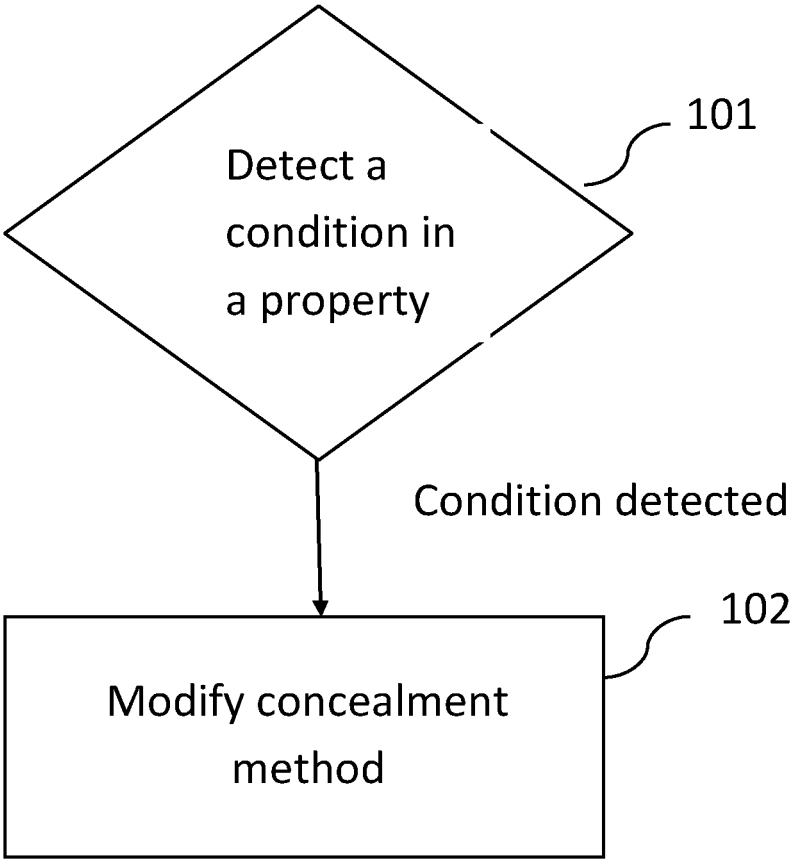

Detect a condition in a property
101
Condition detected
Modify concealment method
102

FIG. 10

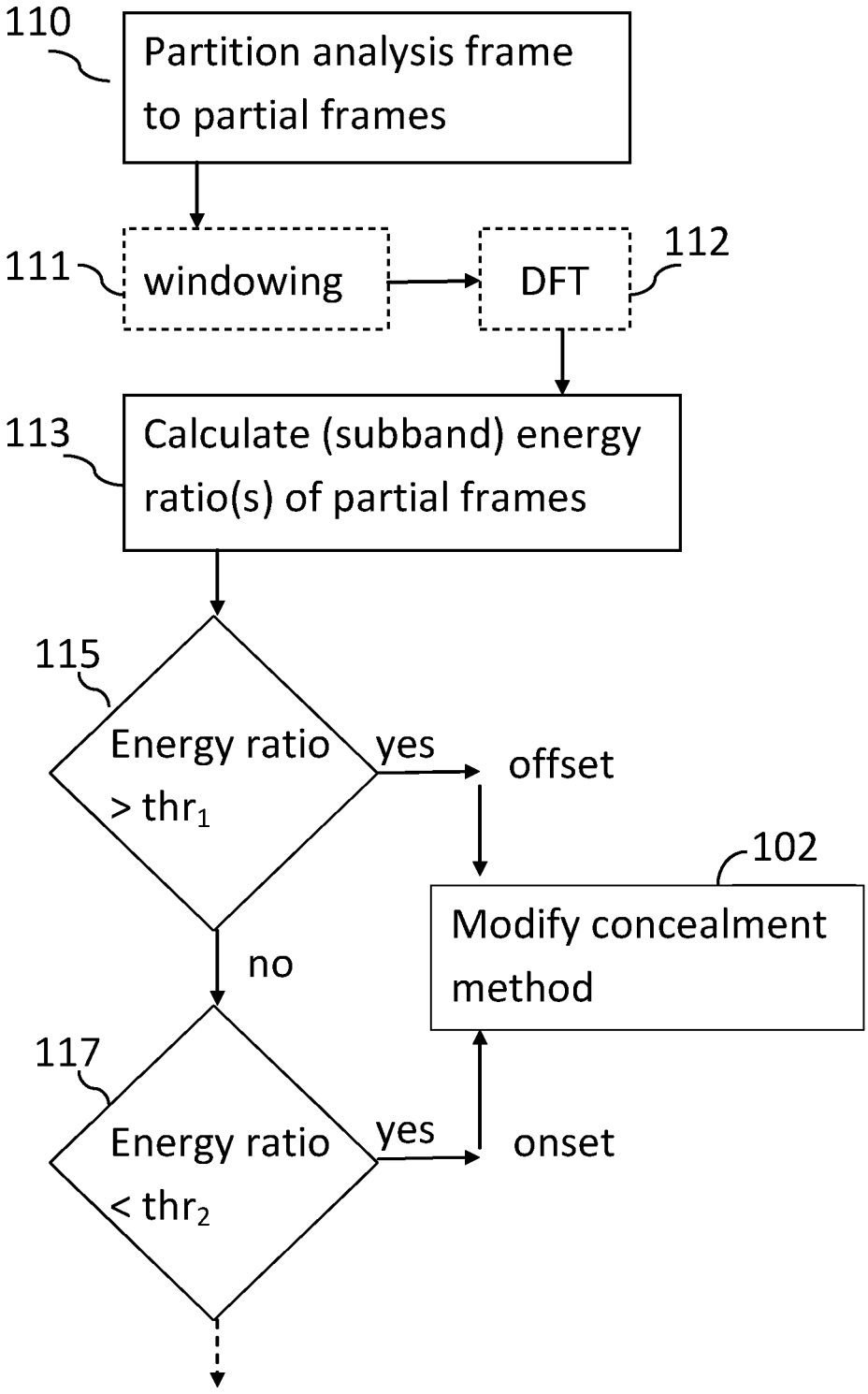

110
Partition analysis frame to partial frames
111
windowing
DFT
112
113
Calculate (subband) energy ratio(s) of partial frames
115
Energy ratio > thr1
yes
offset
102
Modify concealment method
no
117
Energy ratio < thr2
yes
onset

FIG. 11

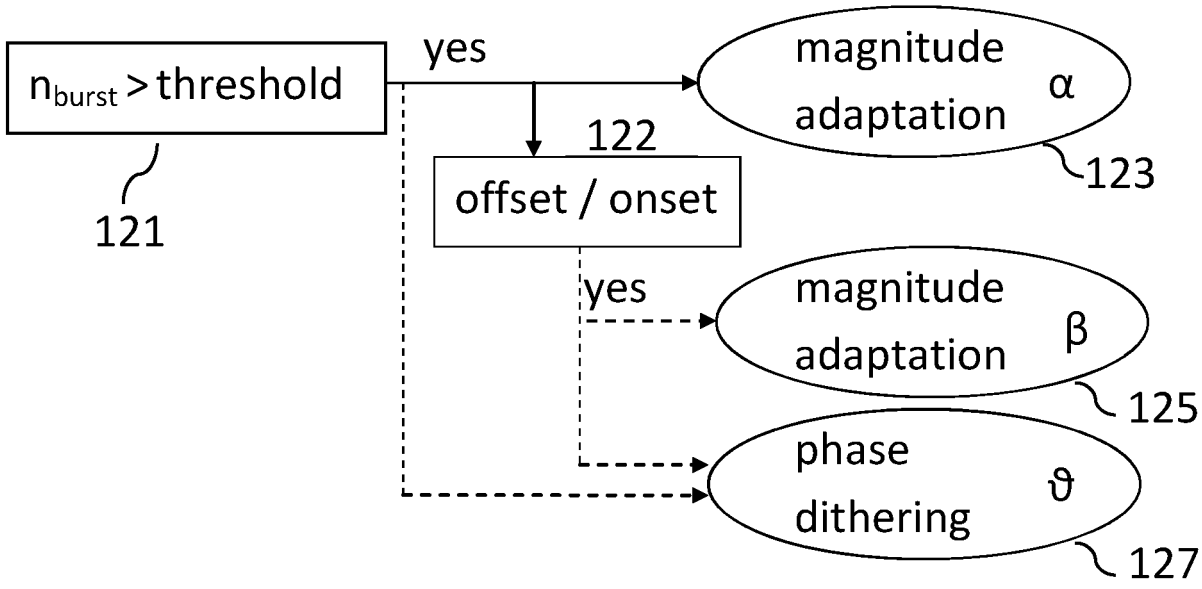

n_{burst} > threshold
121
yes
122
offset / onset
magnitude adaptation α
123
yes
magnitude adaptation β
125
phase dithering ϑ
127

FIG. 12

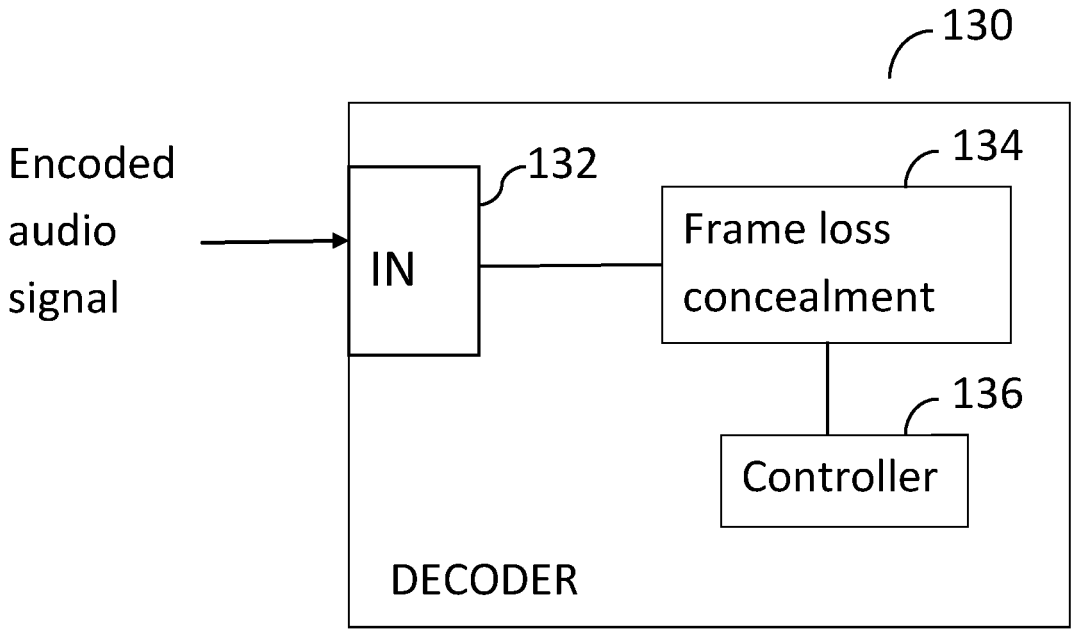

130
Encoded audio signal
IN
132
Frame loss concealment
134
Controller
136
DECODER

FIG. 13

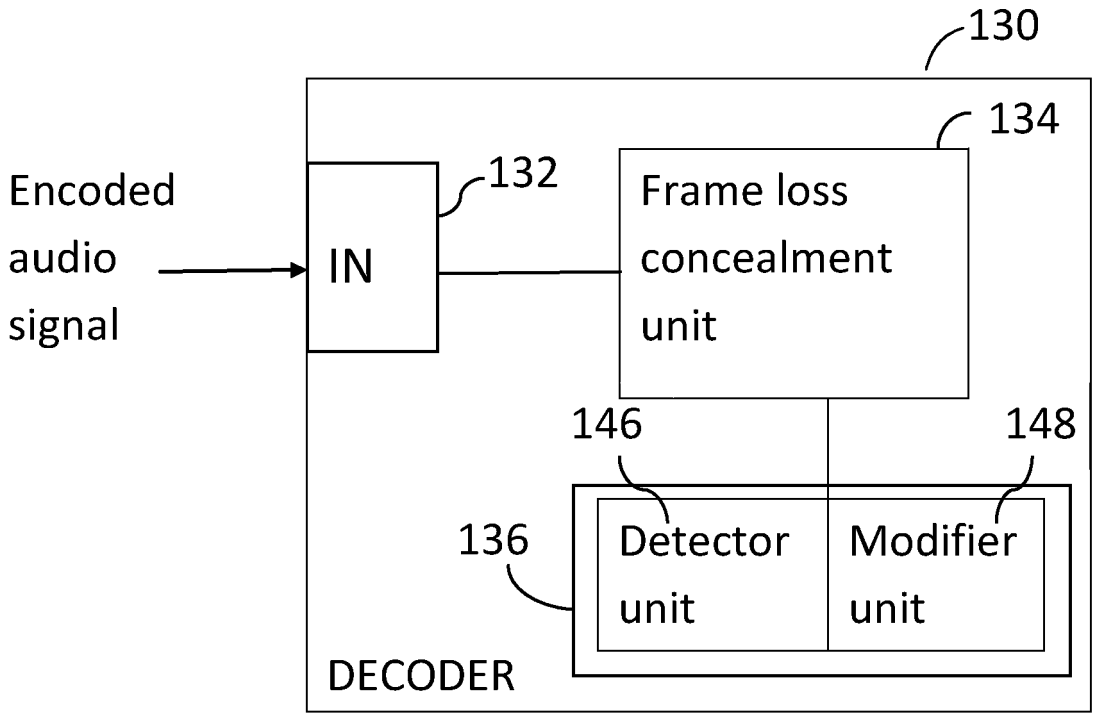

130
134
Encoded
audio
signal
132
IN
Frame loss
concealment
unit
146
148
136
Detector
unit
Modifier
unit
DECODER

FIG. 14

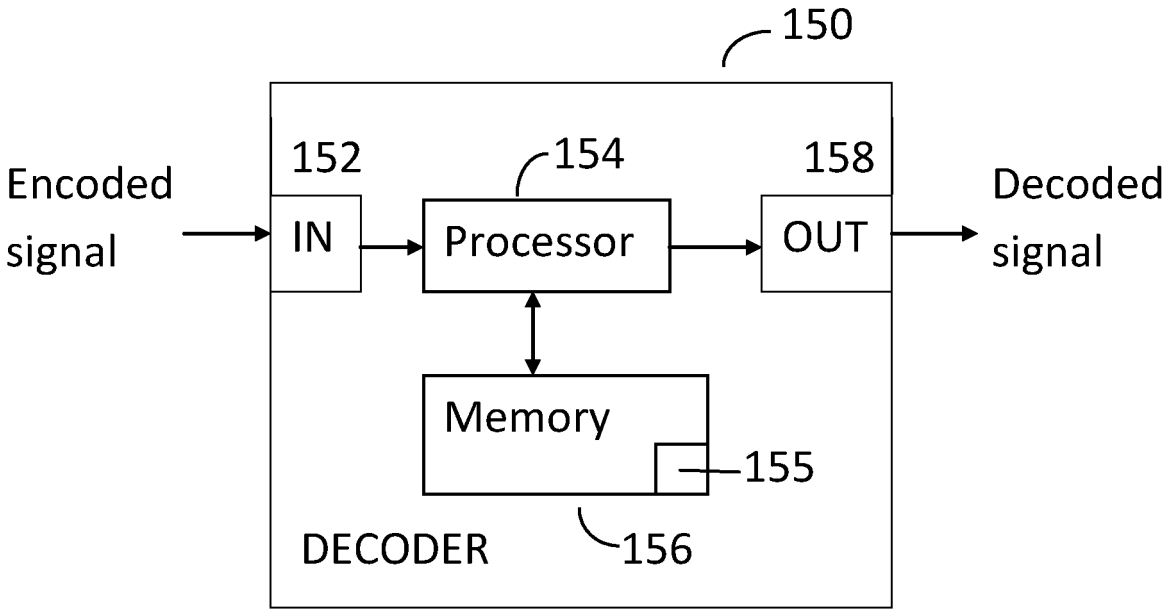

150
152
154
158
Encoded
signal
IN
Processor
OUT
Decoded
signal
Memory
155
DECODER
156

FIG. 15