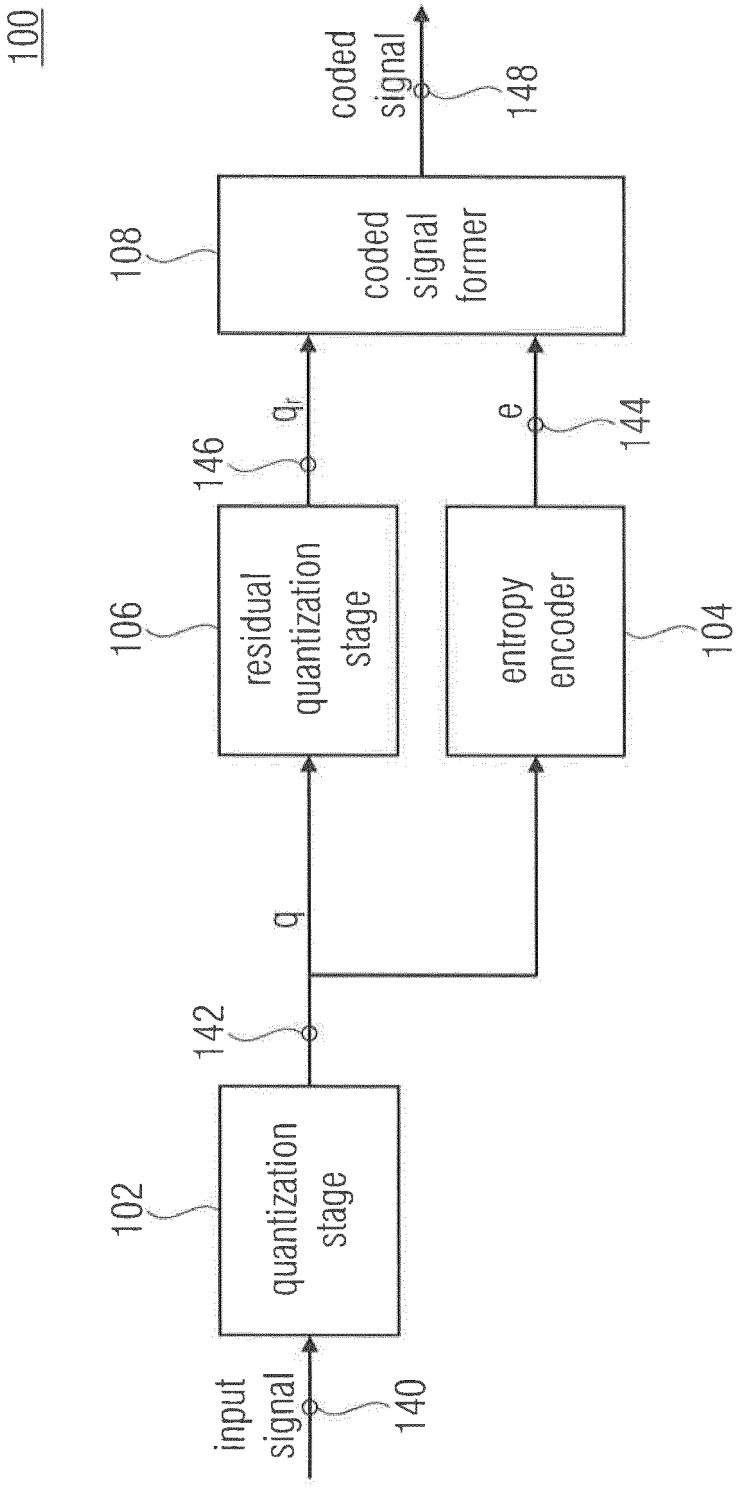
100
coded signal
148
108
coded signal former
q_r
146
e
144
106
residual quantization stage
entropy encoder
104
q
142
102
quantization stage
input signal
140

FIG 1

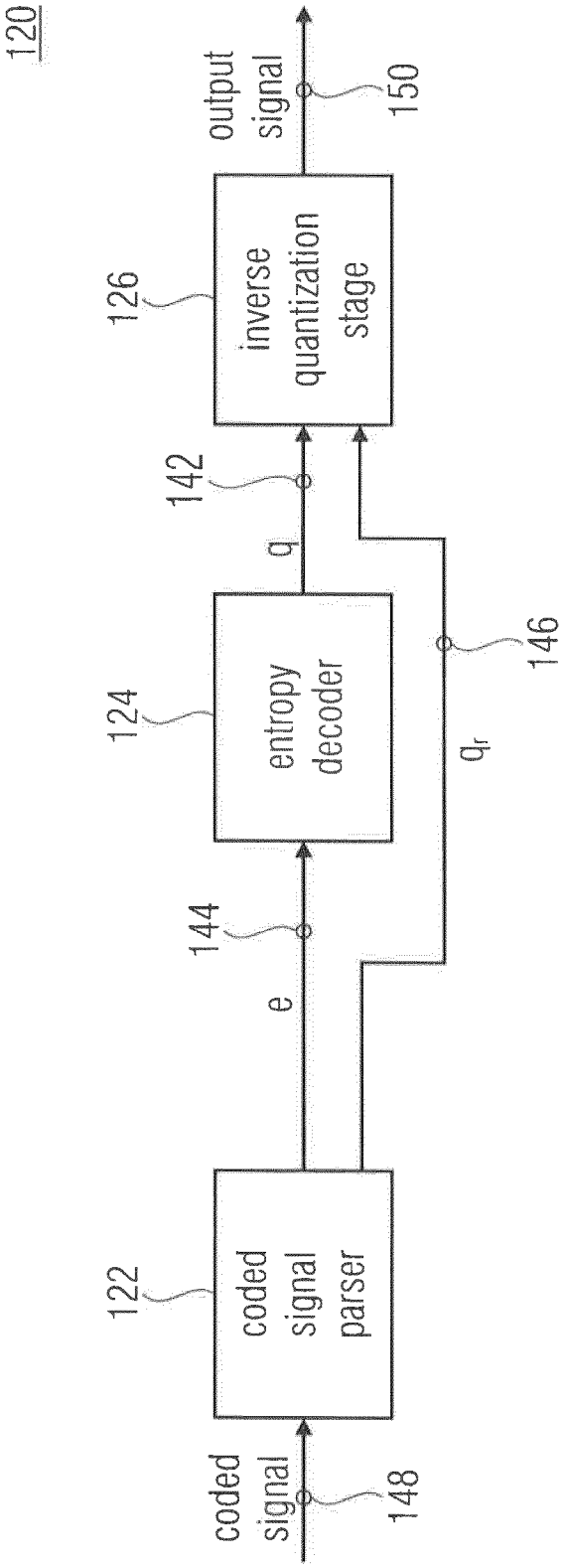
120
coded signal
148
122
coded signal parser
144
e
124
entropy decoder
142
q
126
inverse quantization stage
output signal
150
146
q_r

FIG 2

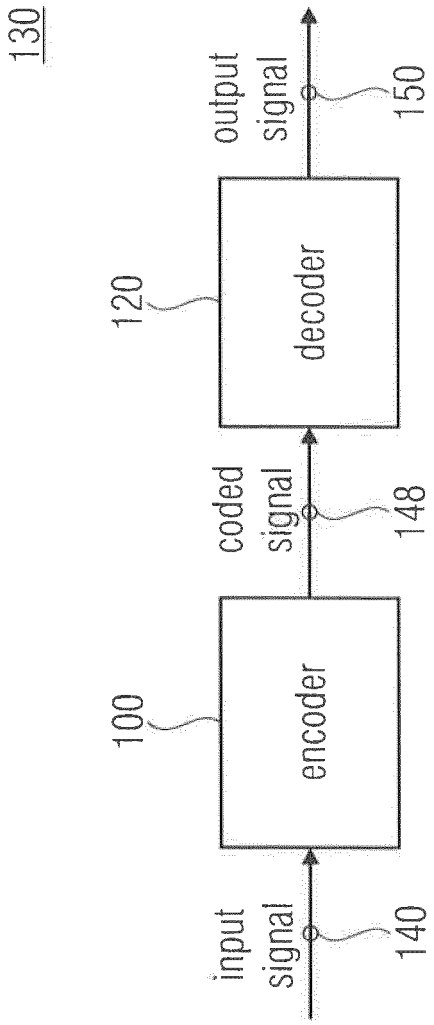
130
input signal
140
100
encoder
coded signal
148
120
decoder
output signal
150

FIG 3

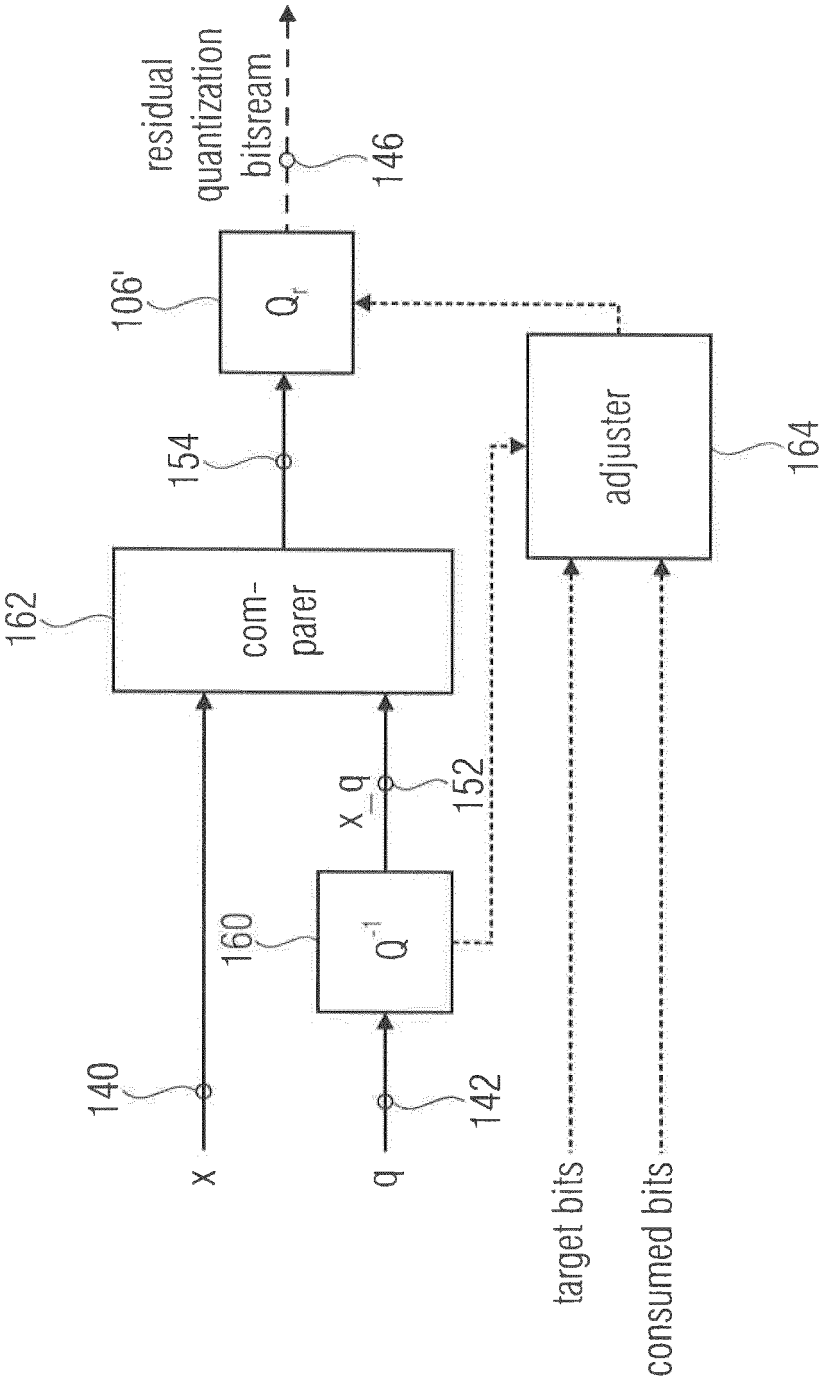
residual quantization bitstream
146
106'
Q_r
154
adjuster
164
162
com-parer
x_q
152
160
Q^{-1}
140
142
x
q
target bits
consumed bits

FIG 4

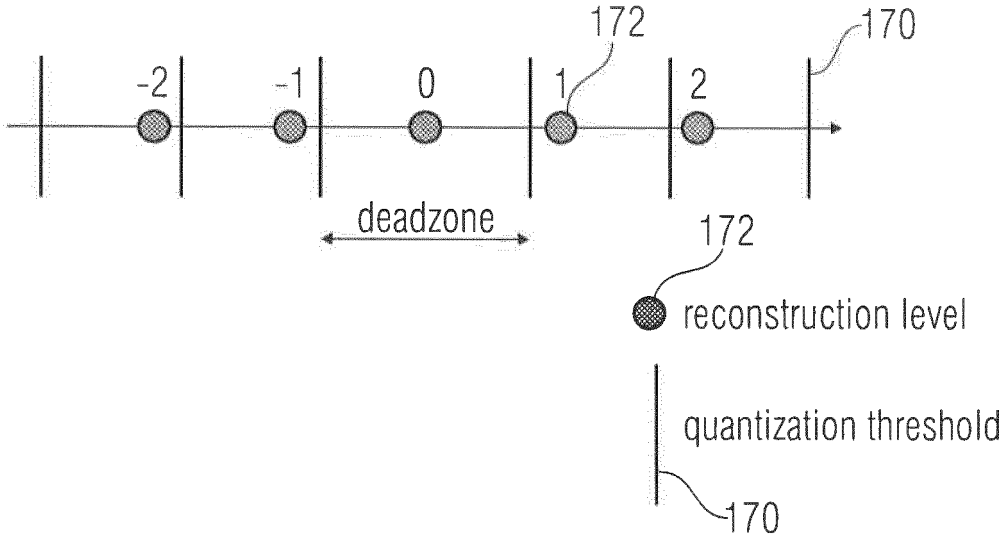

FIG 5

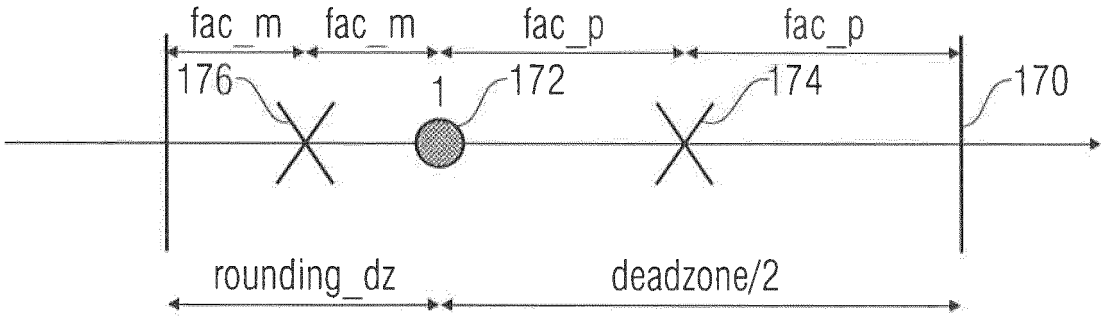

FIG 6

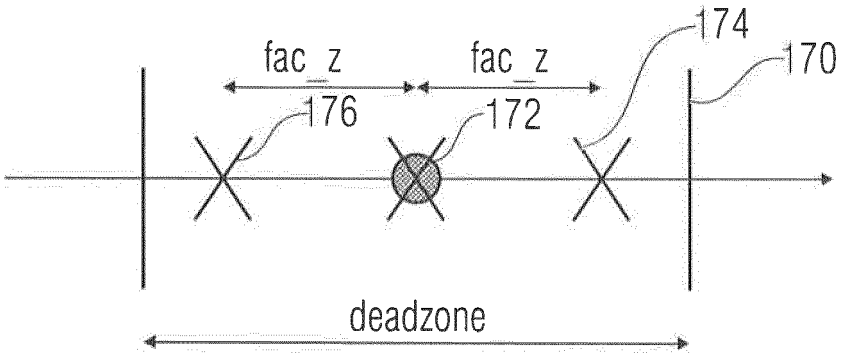

FIG 7

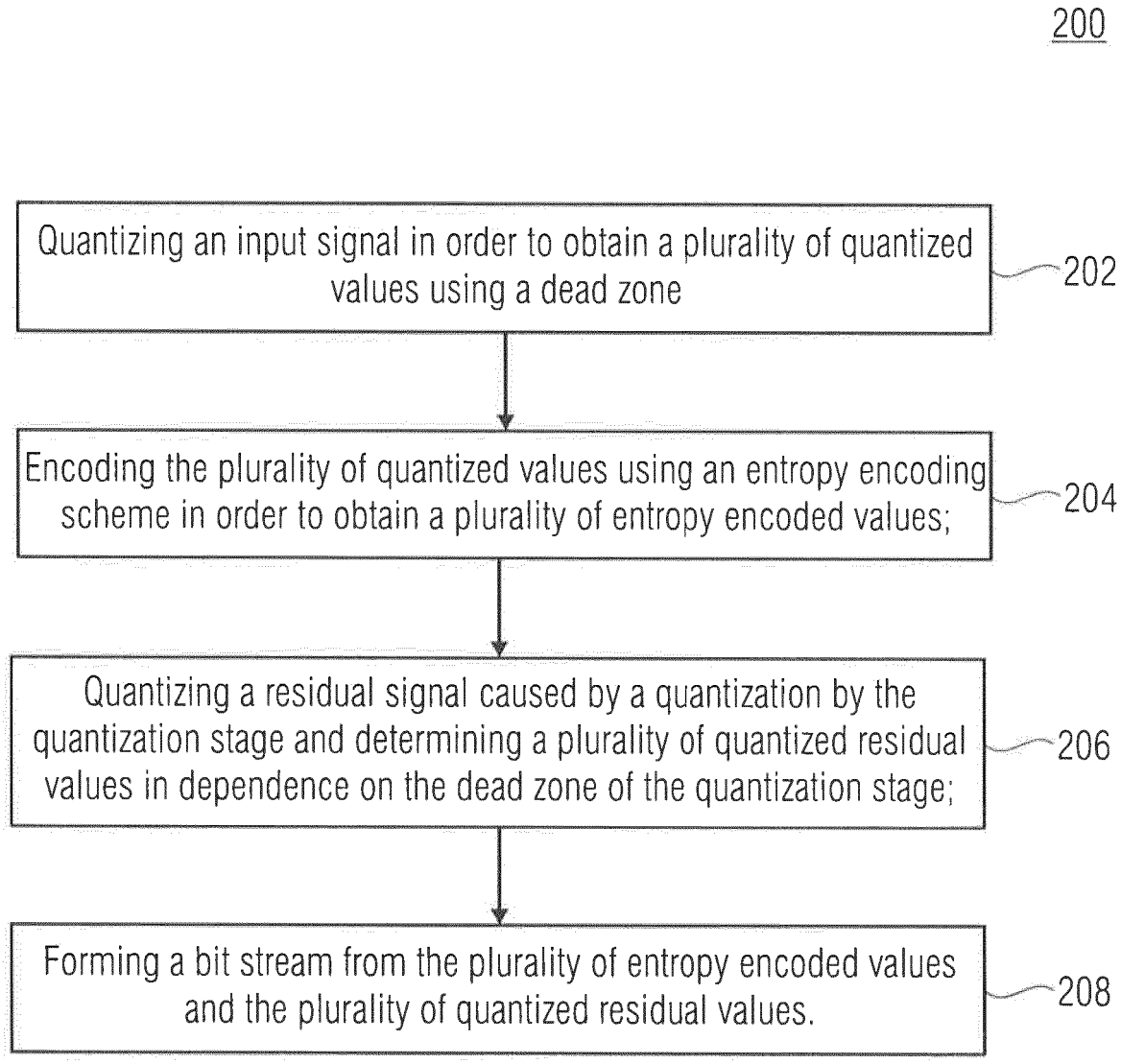
200
Quantizing an input signal in order to obtain a plurality of quantized values using a dead zone
202
Encoding the plurality of quantized values using an entropy encoding scheme in order to obtain a plurality of entropy encoded values;
204
Quantizing a residual signal caused by a quantization by the quantization stage and determining a plurality of quantized residual values in dependence on the dead zone of the quantization stage;
206
Forming a bit stream from the plurality of entropy encoded values and the plurality of quantized residual values.
208

FIG 8

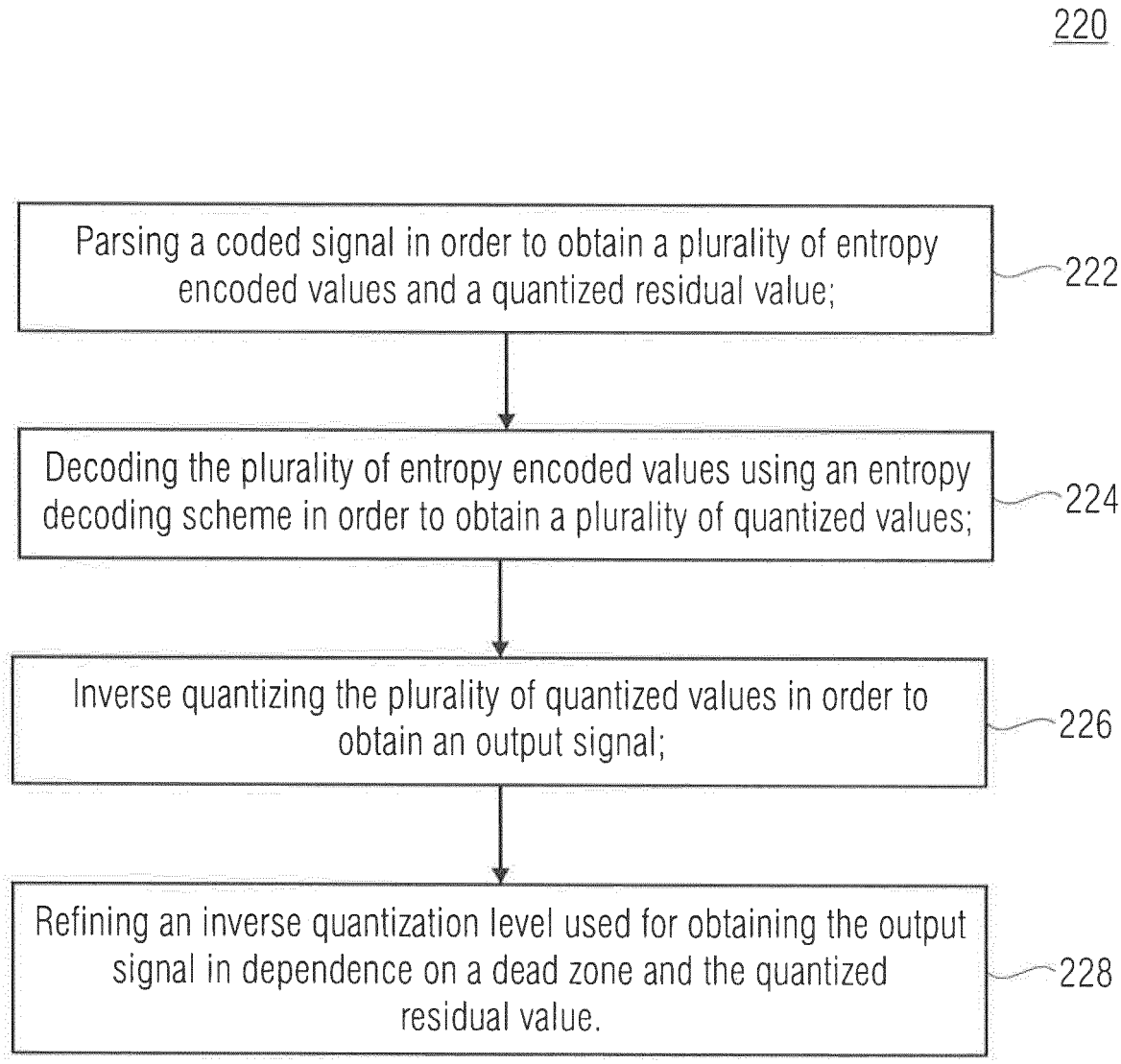
220
Parsing a coded signal in order to obtain a plurality of entropy encoded values and a quantized residual value;
222
Decoding the plurality of entropy encoded values using an entropy decoding scheme in order to obtain a plurality of quantized values;
224
Inverse quantizing the plurality of quantized values in order to obtain an output signal;
226
Refining an inverse quantization level used for obtaining the output signal in dependence on a dead zone and the quantized residual value.
228

FIG 9

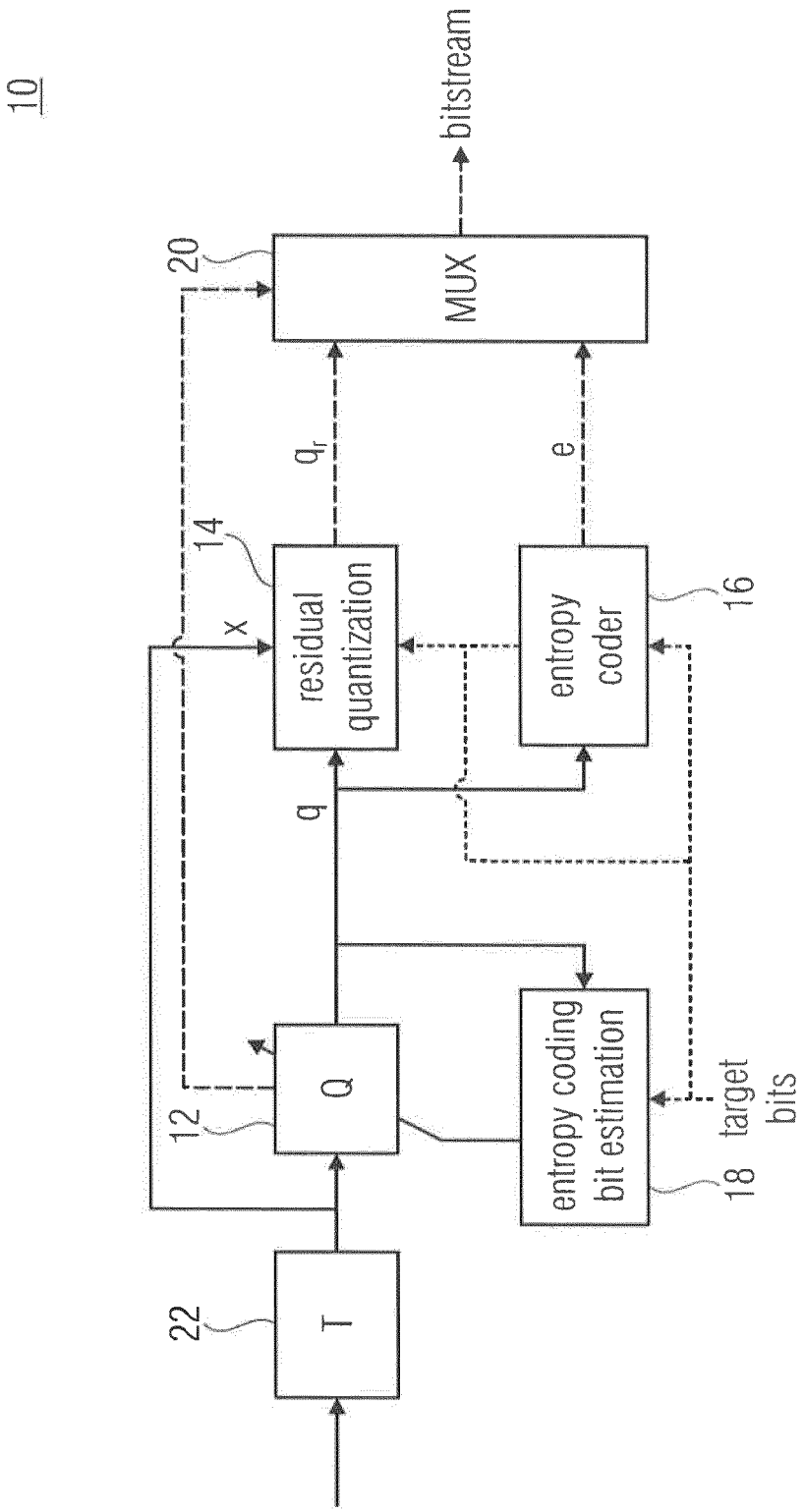
10
bitstream
20
MUX
q_r
e
14
residual quantization
entropy coder
16
x
q
12
Q
entropy coding bit estimation
target bits
18
22
T

FIG 10