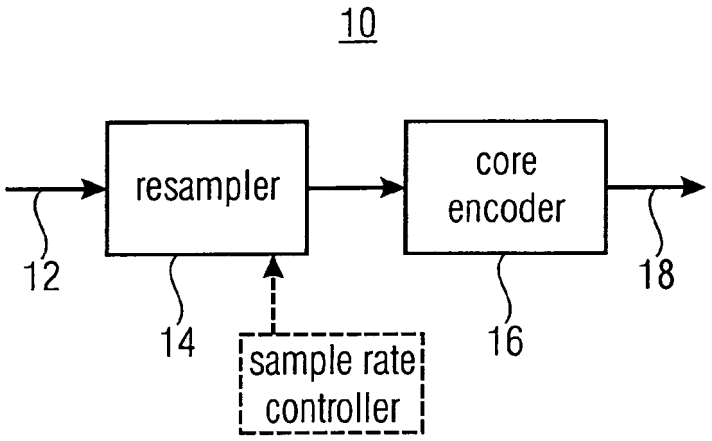

10
resampler
core encoder
12
14
16
18
sample rate controller

FIG 1A

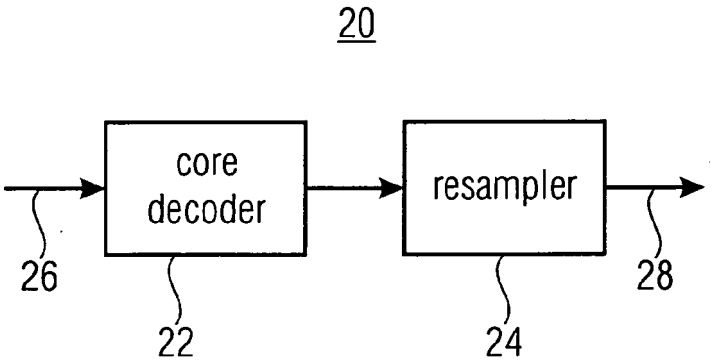

20
core decoder
resampler
26
22
24
28

FIG 1B

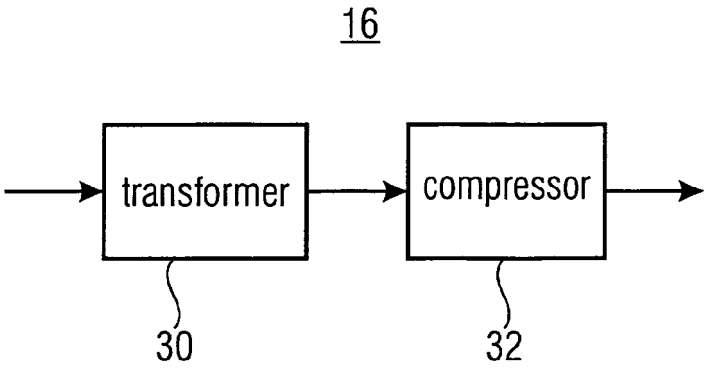

16
transformer
compressor
30
32

FIG 2A

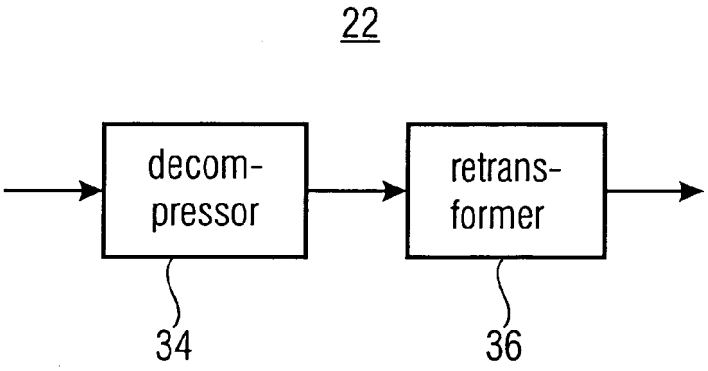

22
decom-
pressor
retrans-
former
34
36

FIG 2B

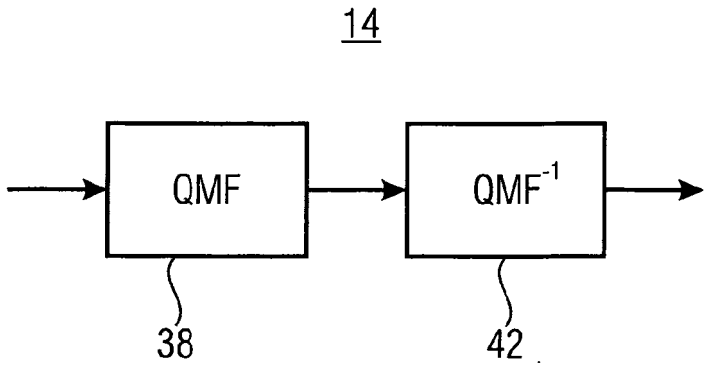


FIG 3A

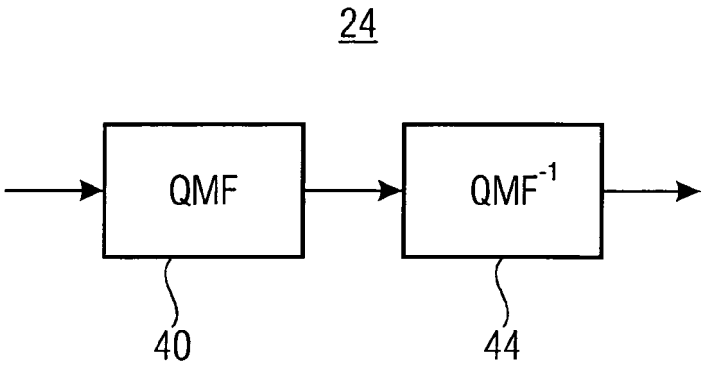


FIG 3B

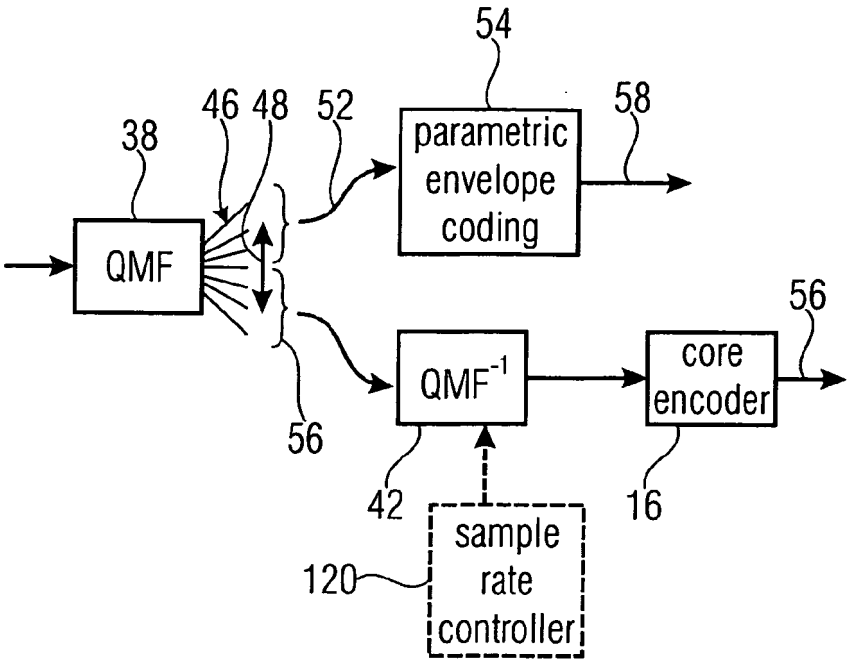

54
46 48 52
58
38
parametric envelope coding
QMF
56
QMF-1
core encoder
56
42
16
sample rate controller
120

FIG 4A

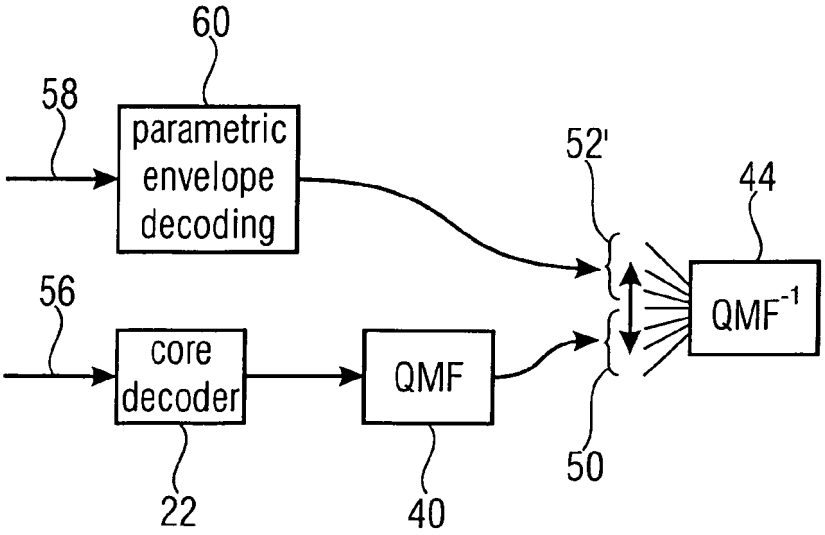

60
58
parametric envelope decoding
52'
44
56
core decoder
QMF
QMF-1
22
40
50

FIG 4B

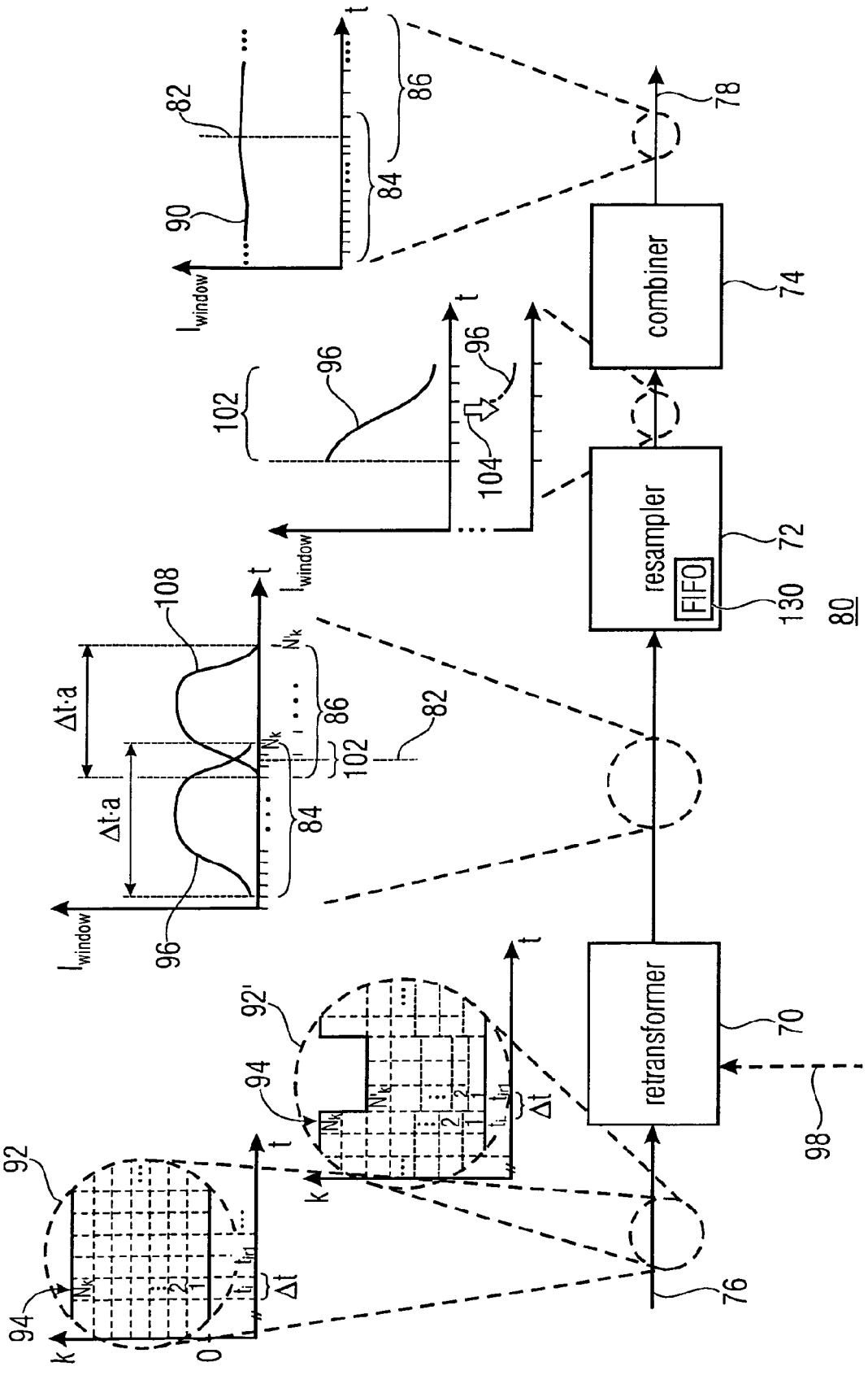

retransformer
70
resampler
FIFO
72
130
combiner
74
76
78
80
98
l_{window}
t
k
Δt
$\Delta t \cdot a$
N_k
82
84
86
90
92
92'
94
96
102
104
108

FIG 5

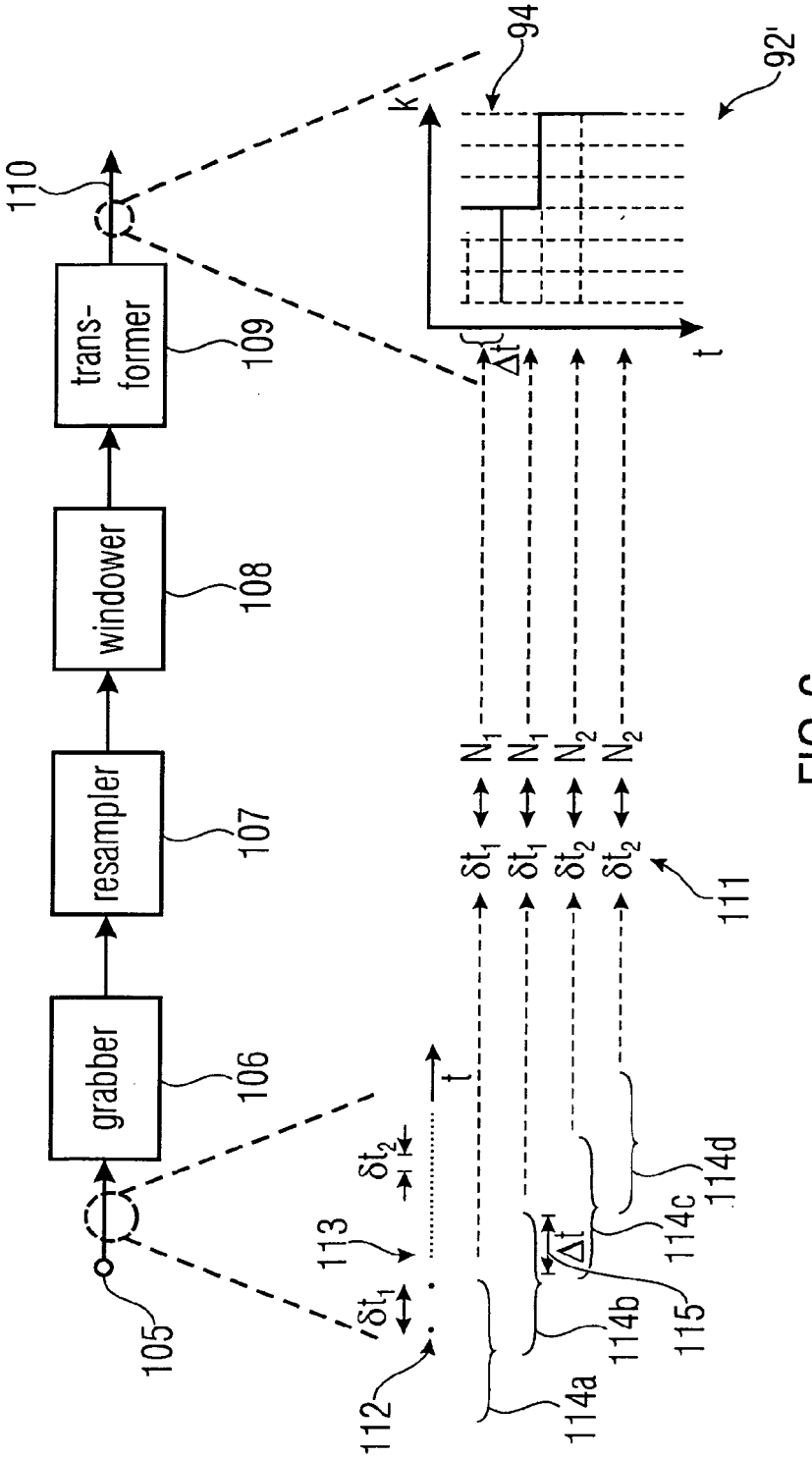

grabber
106
resampler
107
windower
108
trans-former
109
110
105
112
113
114a
114b
114c
114d
115
111
94
92'
k
t
Δt
δt1
δt2
N1
N2

FIG 6

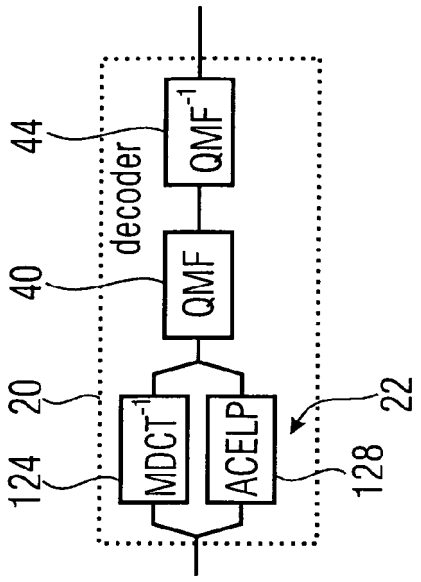

44
decoder
QMF^{-1}
40
QMF
20
MDCT^{-1}
ACELP
22
124
128

FIG 7B

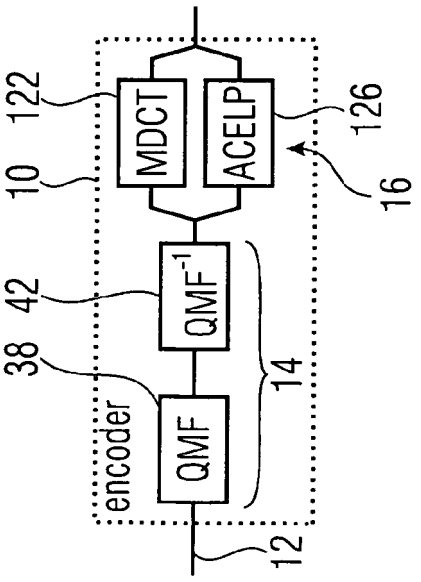

122
MDCT
ACELP
126
10
16
42
QMF^{-1}
38
encoder
QMF
14
12

FIG 7A

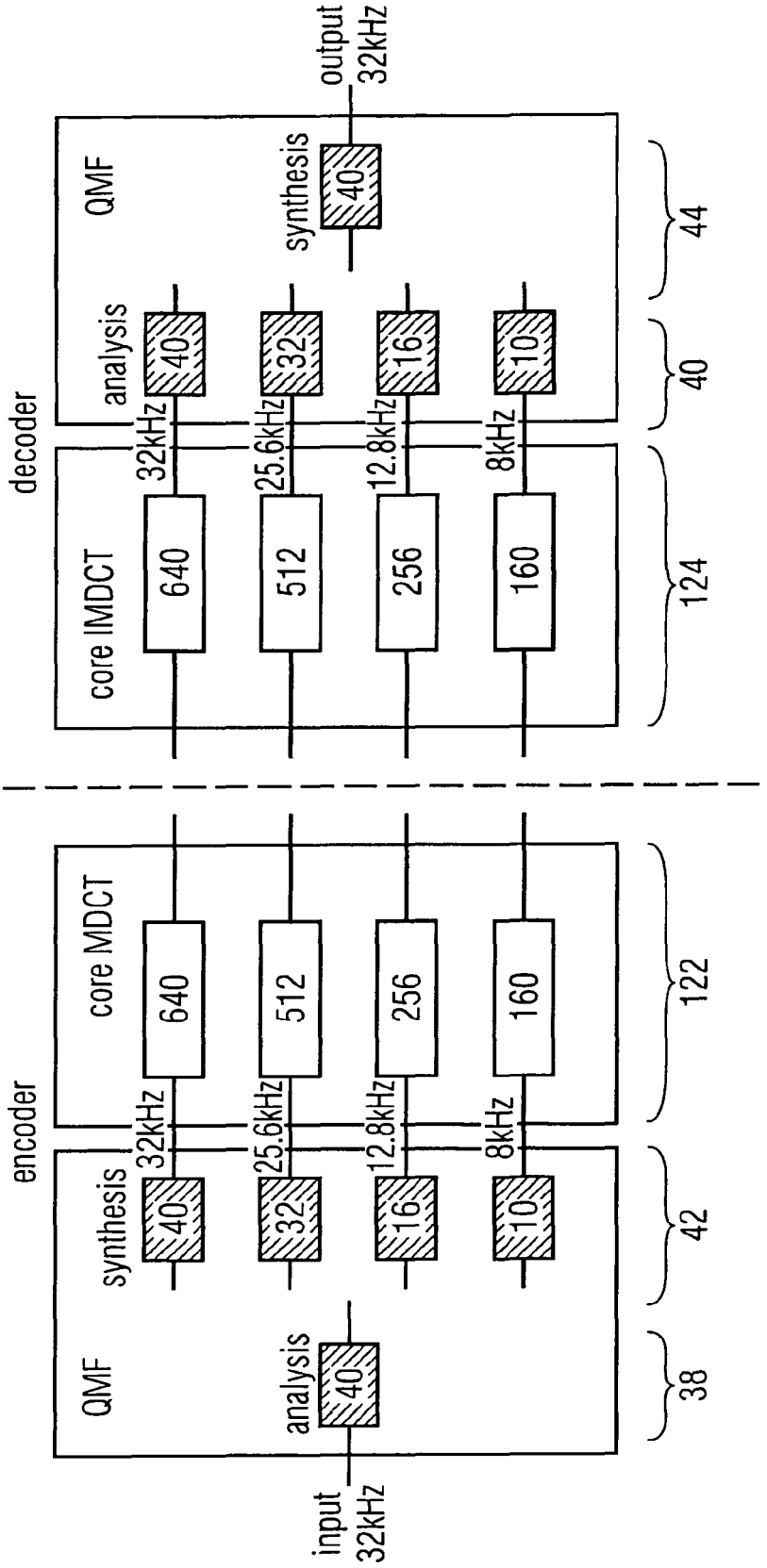

encoder
QMF
analysis
40
38
input
32kHz
synthesis
40
42
core MDCT
640
512
256
160
122
32kHz
25.6kHz
12.8kHz
8kHz
decoder
QMF
synthesis
40
44
output
32kHz
analysis
40
32
16
10
40
core IMDCT
640
512
256
160
124
32kHz
25.6kHz
12.8kHz
8kHz

FIG 8