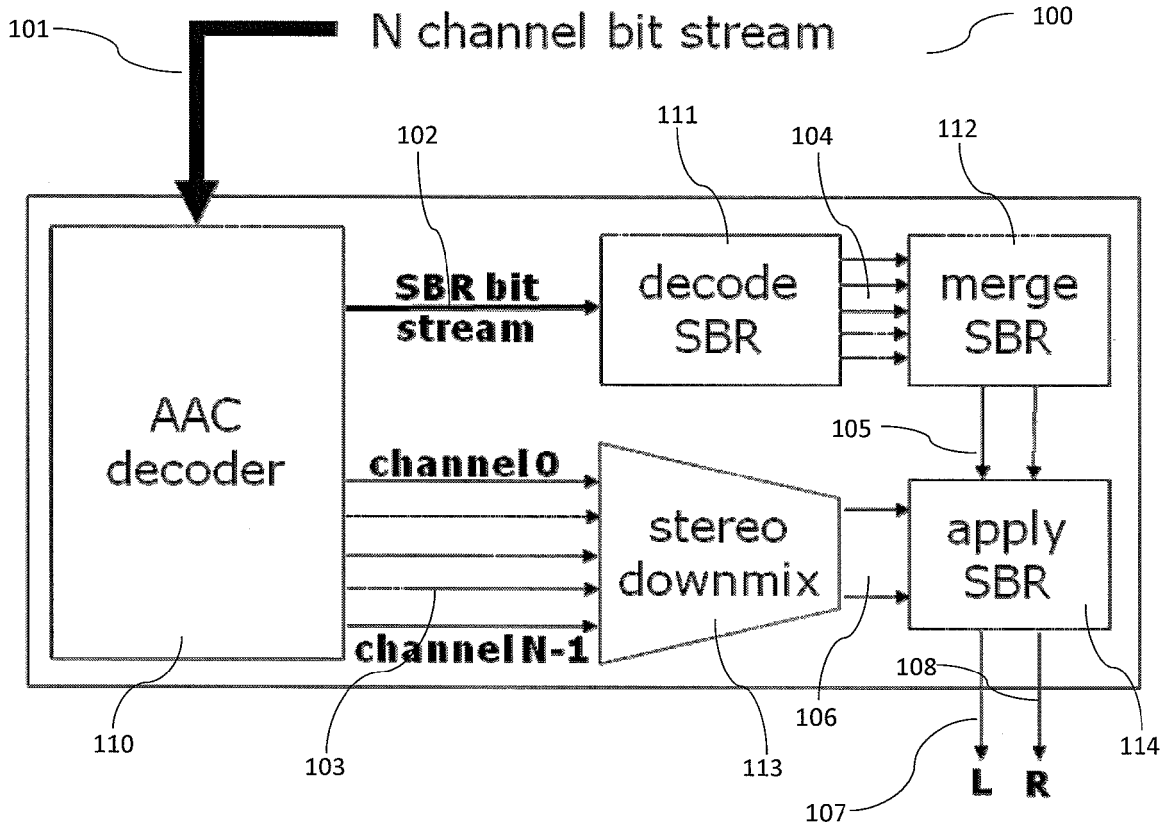

N channel bit stream
101
100
102
111
104
112
SBR bit stream
decode SBR
merge SBR
AAC decoder
105
channel 0
stereo downmix
apply SBR
channel N-1
108
110
103
113
106
114
107
L
R

Fig. 1

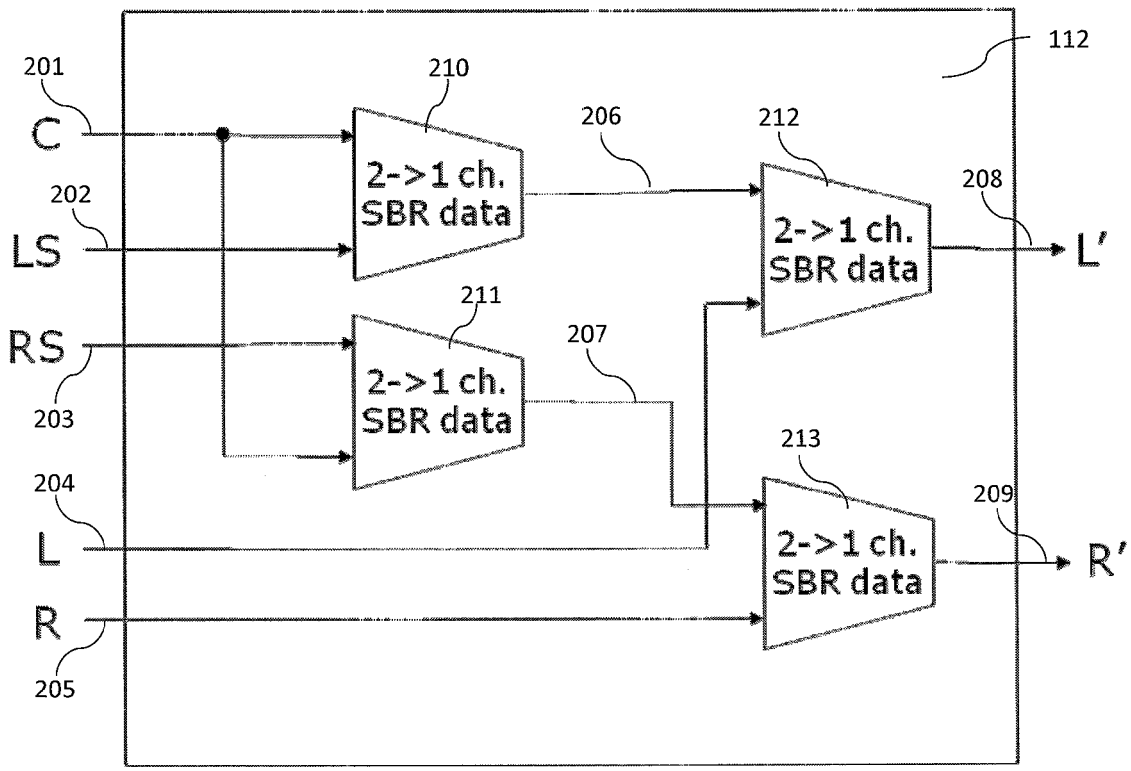

112
201
C
202
LS
203
RS
204
L
205
R
210
2->1 ch.
SBR data
211
2->1 ch.
SBR data
206
207
212
2->1 ch.
SBR data
208
L'
213
2->1 ch.
SBR data
209
R'

Fig. 2

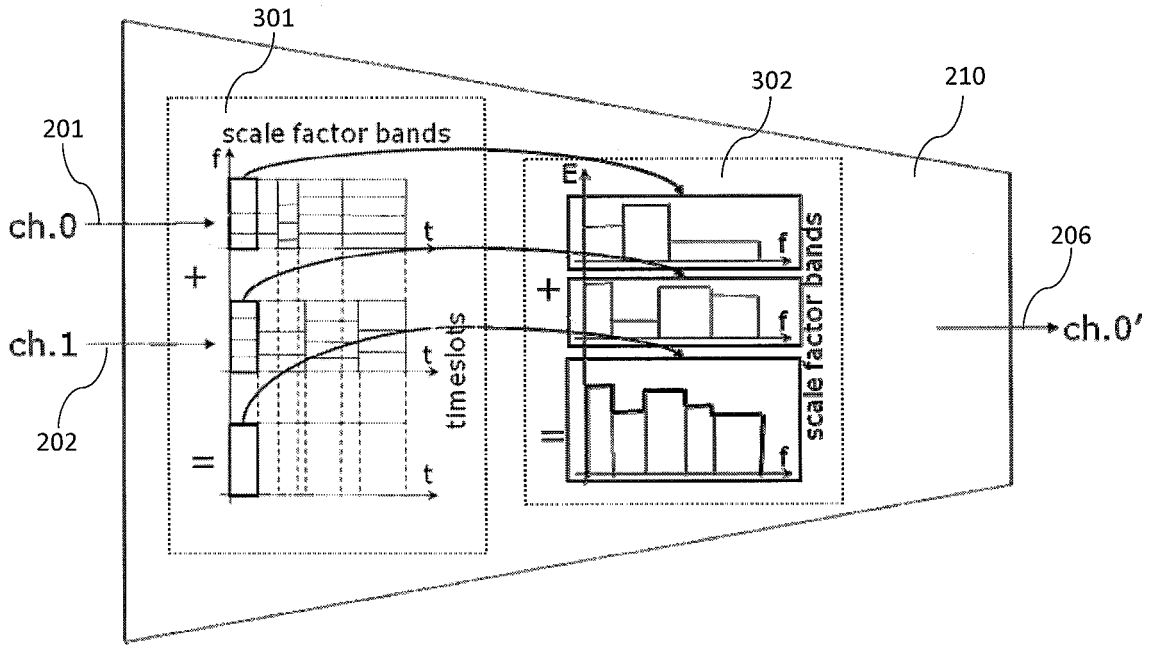

301
scale factor bands
f
t
timeslots
201
ch.0
202
ch.1
+
=
302
210
E
f
scale factor bands
206
ch.0'

Fig. 3

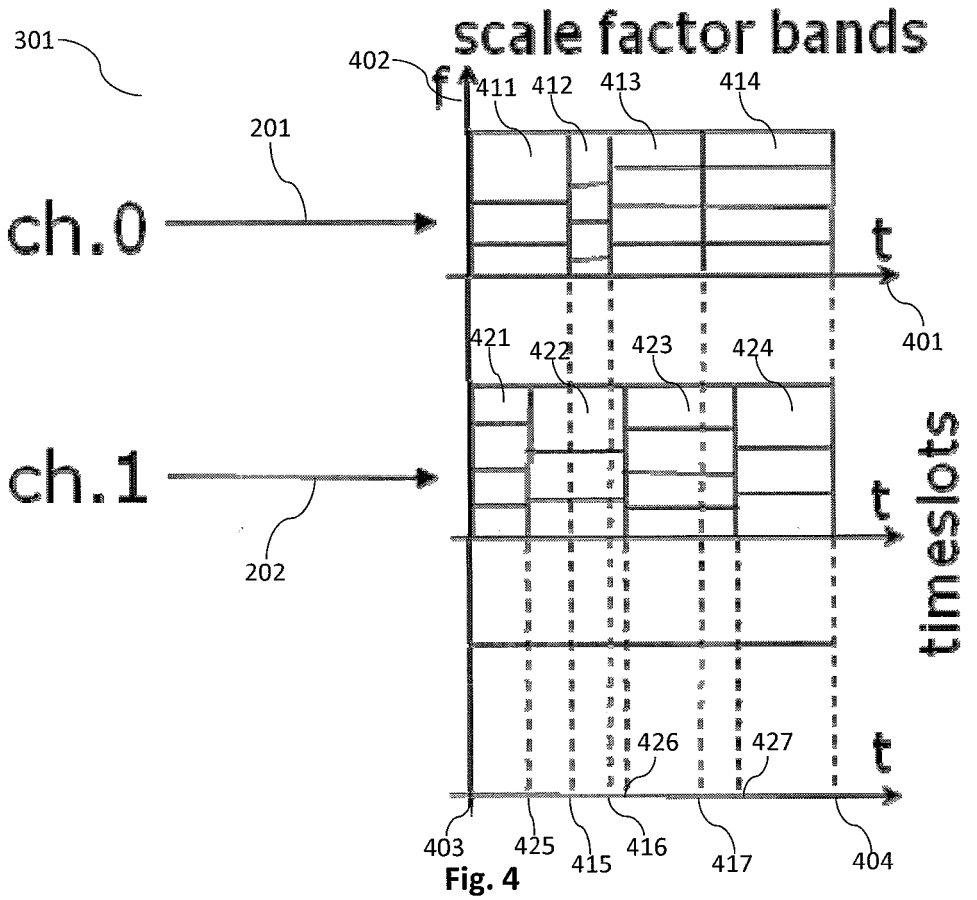

scale factor bands
301
402
f
411
412
413
414
201
ch.0
t
401
421
422
423
424
ch.1
t
timeslots
202
426
427
t
403
425
415
416
417
404

Fig. 4

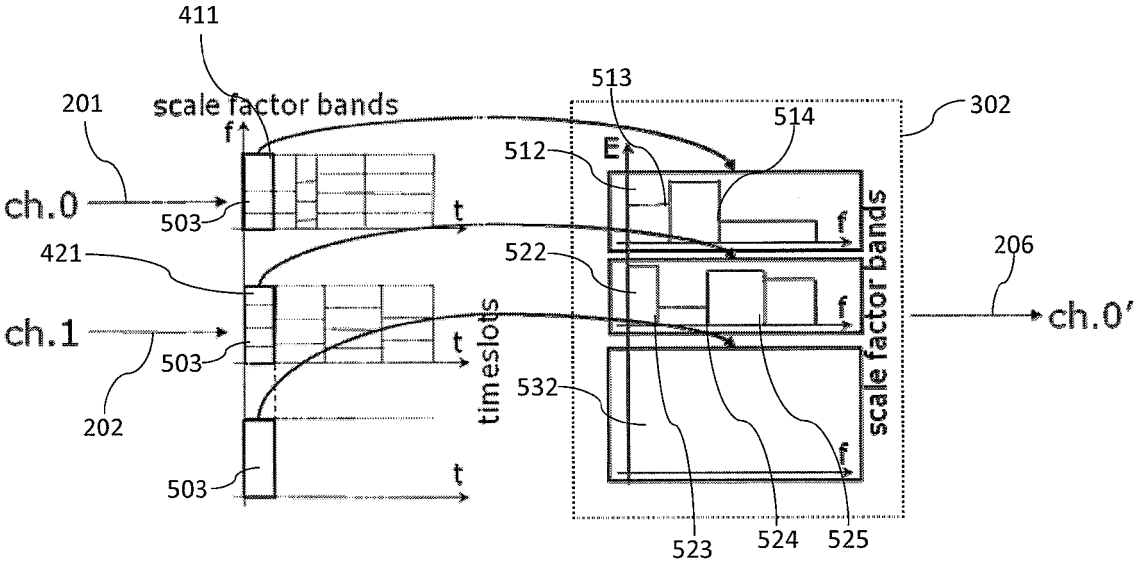

411
201
scale factor bands
f
513
514
302
512
E
ch.0
503
t
421
522
206
ch.1
503
t
timeslots
scale factor bands
ch.0'
202
532
503
t
523
524
525

Fig. 5a

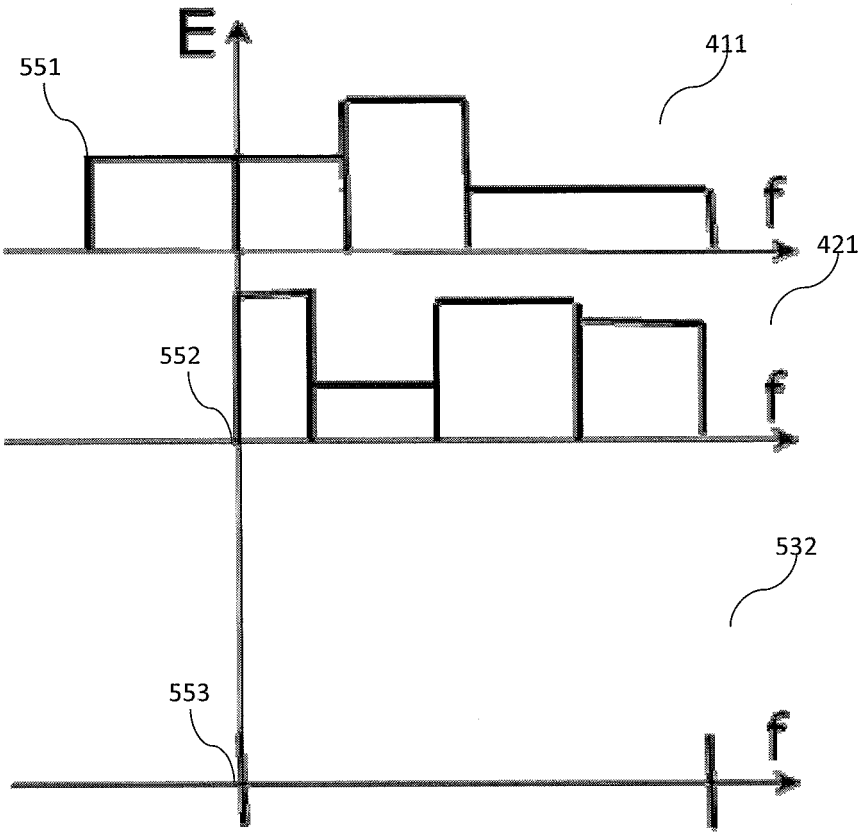


Fig. 5b

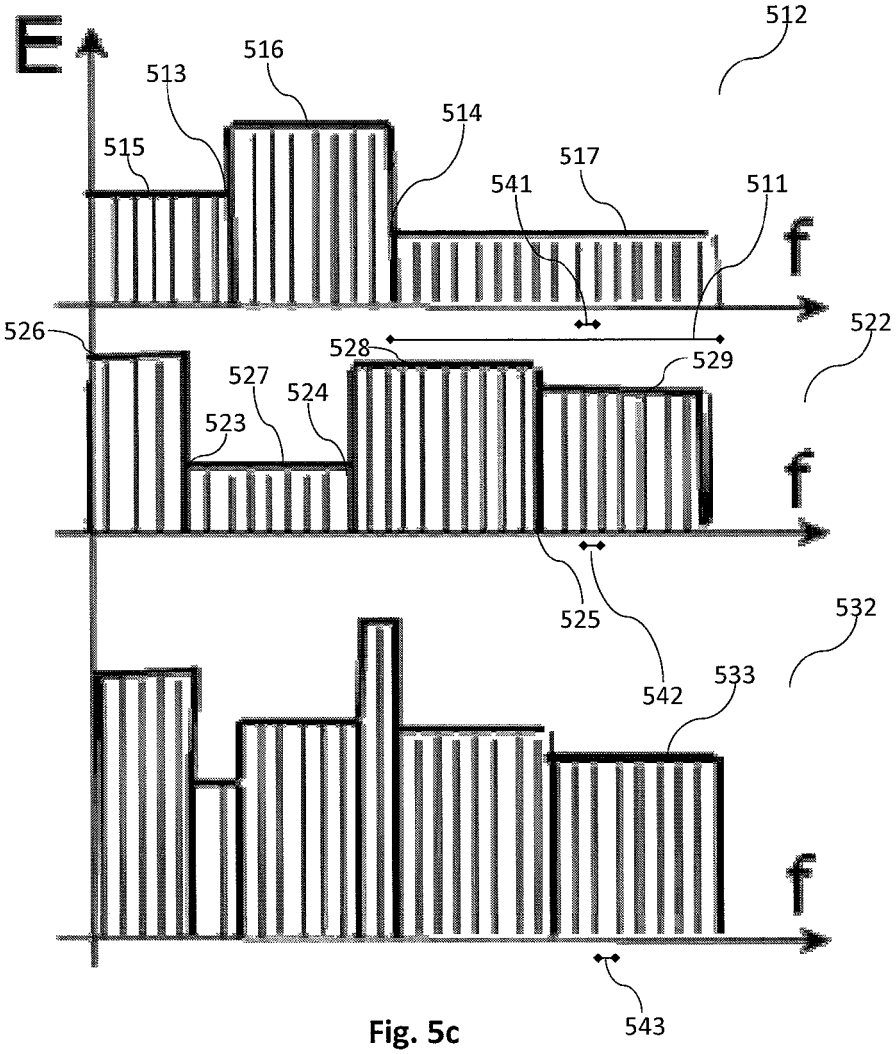

E
512
513
516
514
515
517
541
511
f
526
528
529
522
527
524
523
f
525
542
532
533
f
543

Fig. 5c

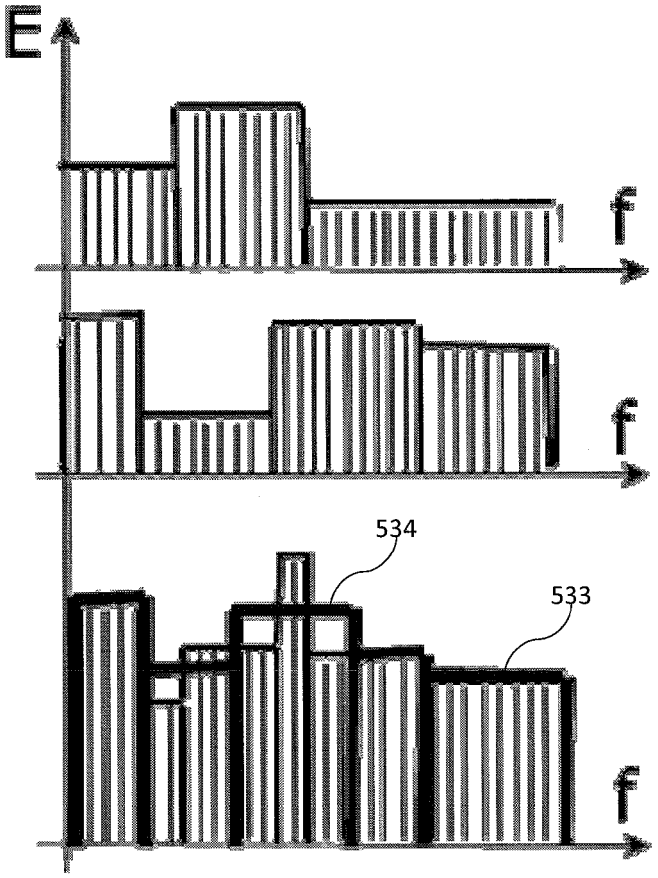


Fig. 5d

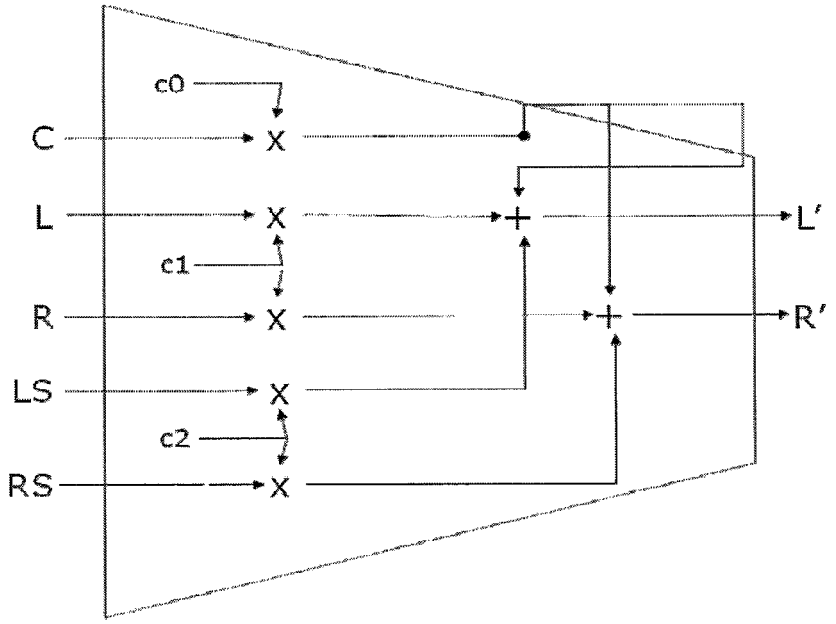


Fig. 6