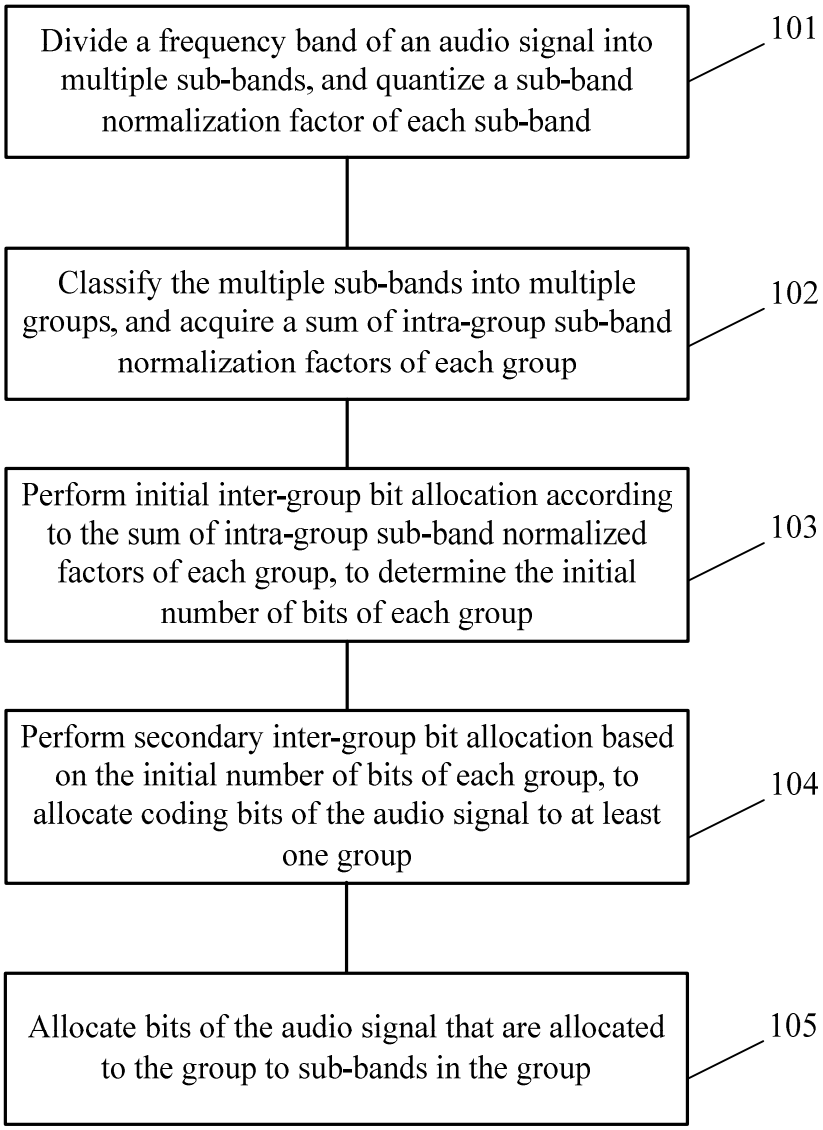
Divide a frequency band of an audio signal into multiple sub-bands, and quantize a sub-band normalization factor of each sub-band
101
Classify the multiple sub-bands into multiple groups, and acquire a sum of intra-group sub-band normalization factors of each group
102
Perform initial inter-group bit allocation according to the sum of intra-group sub-band normalized factors of each group, to determine the initial number of bits of each group
103
Perform secondary inter-group bit allocation based on the initial number of bits of each group, to allocate coding bits of the audio signal to at least one group
104
Allocate bits of the audio signal that are allocated to the group to sub-bands in the group
105

FIG. 1

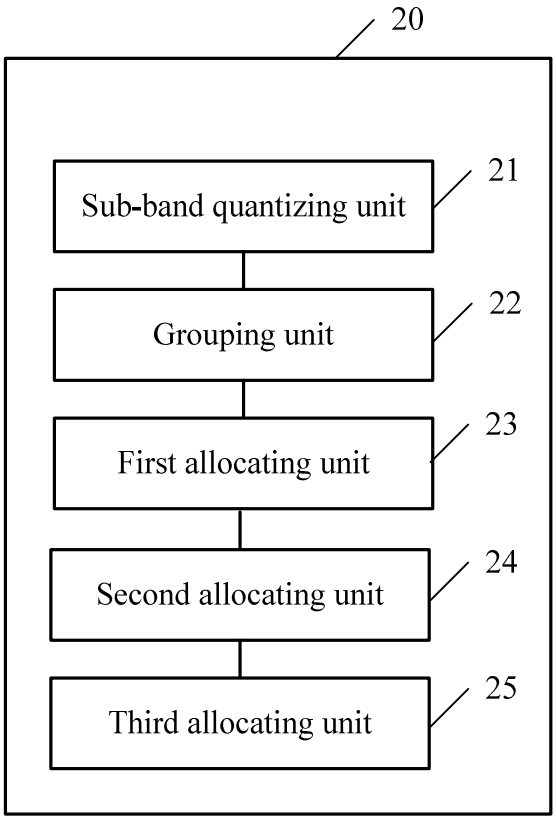
20
Sub-band quantizing unit
21
Grouping unit
22
First allocating unit
23
Second allocating unit
24
Third allocating unit
25

FIG. 2

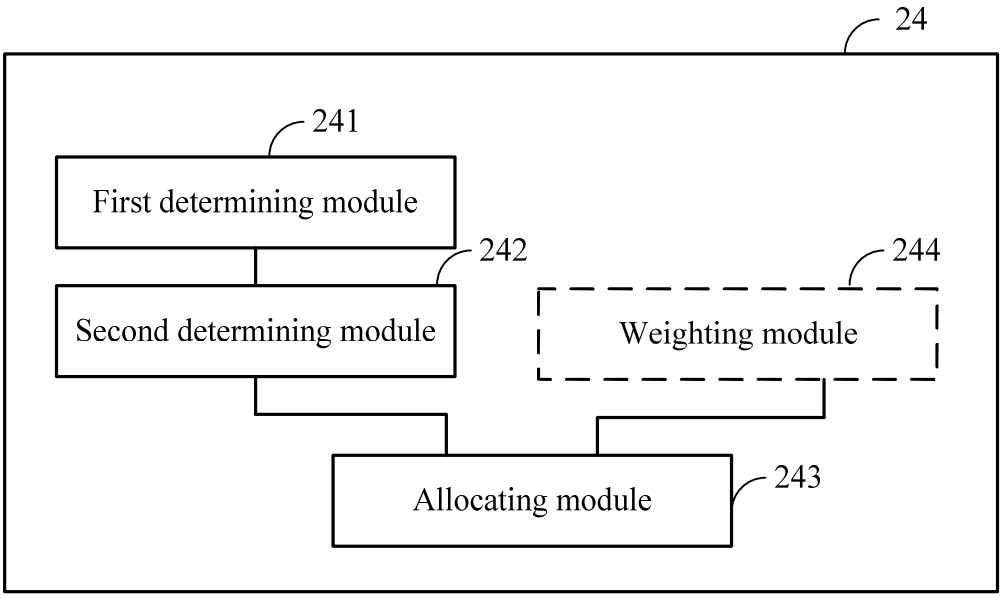
24
241
First determining module
242
Second determining module
244
Weighting module
Allocating module
243

FIG. 3

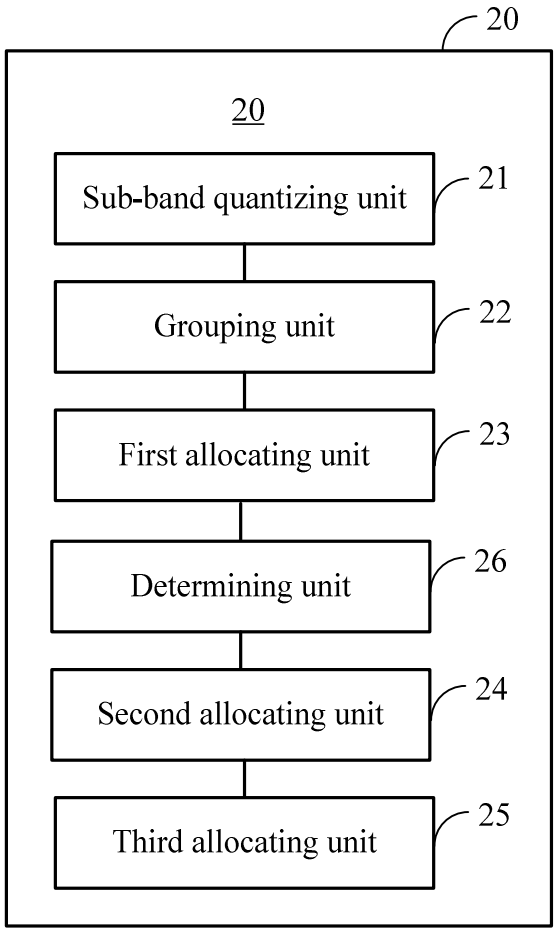
20
20
Sub-band quantizing unit
21
Grouping unit
22
First allocating unit
23
Determining unit
26
Second allocating unit
24
Third allocating unit
25

FIG. 4

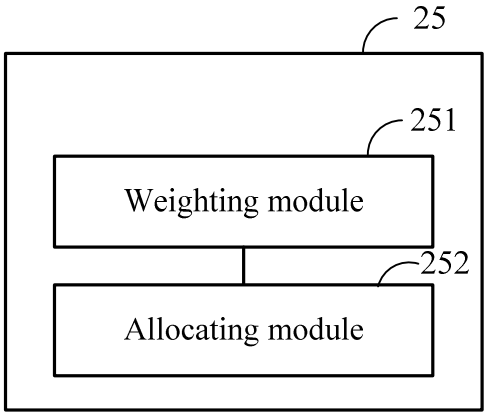
25
251
Weighting module
252
Allocating module

FIG. 5

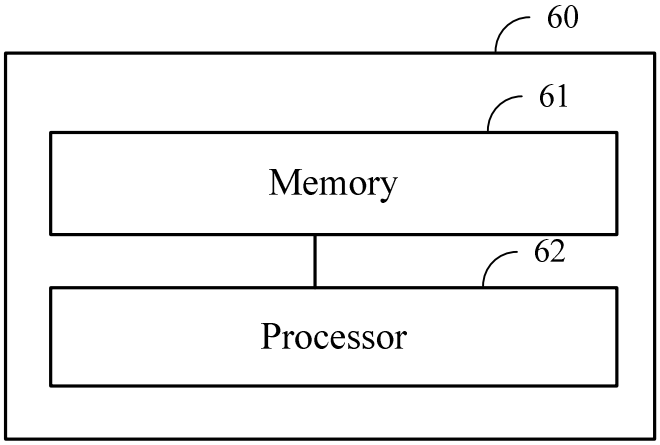

FIG. 6