

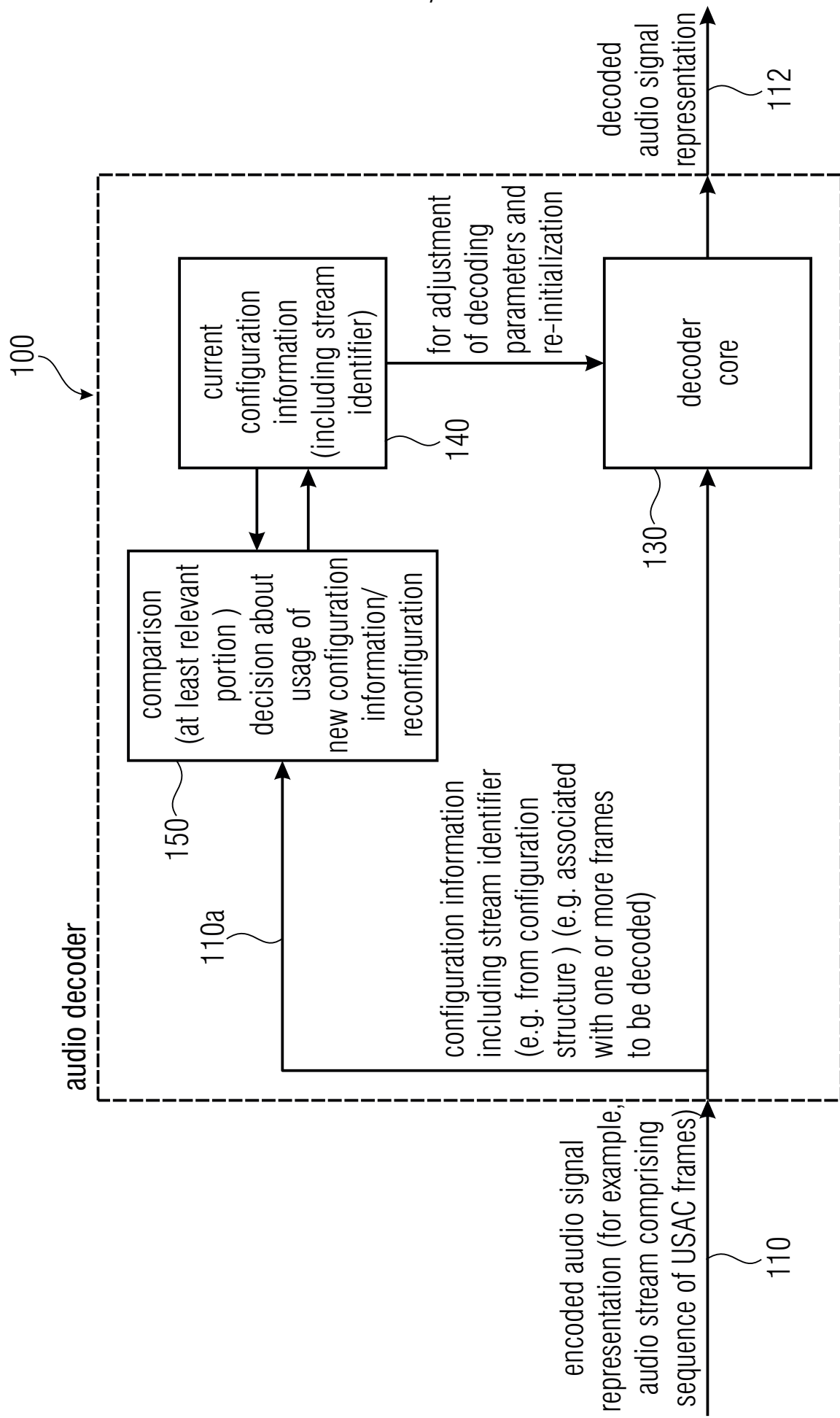


Fig. 1

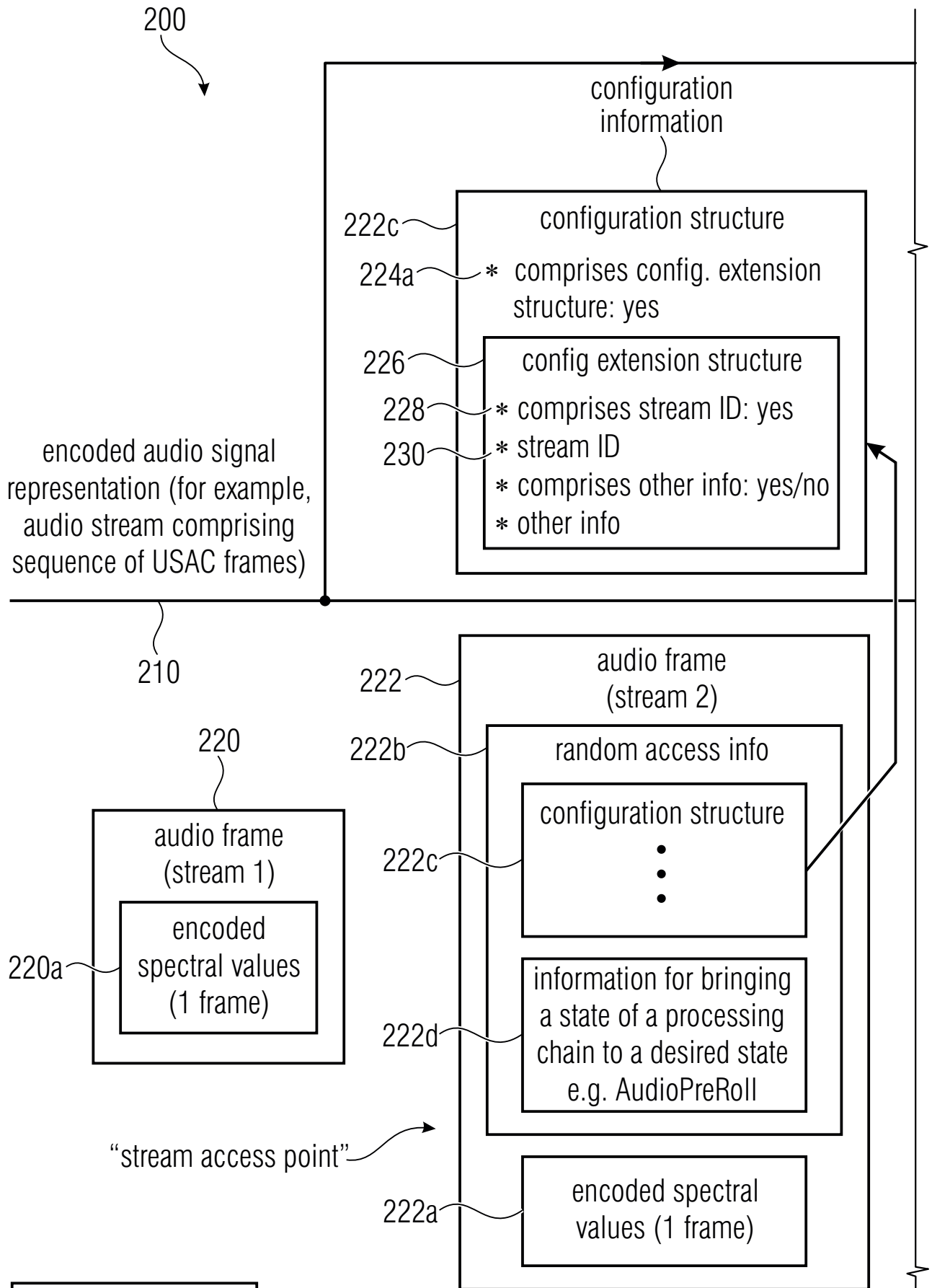


Fig. 2	
Fig. 2A	Fig. 2B

Fig. 2A

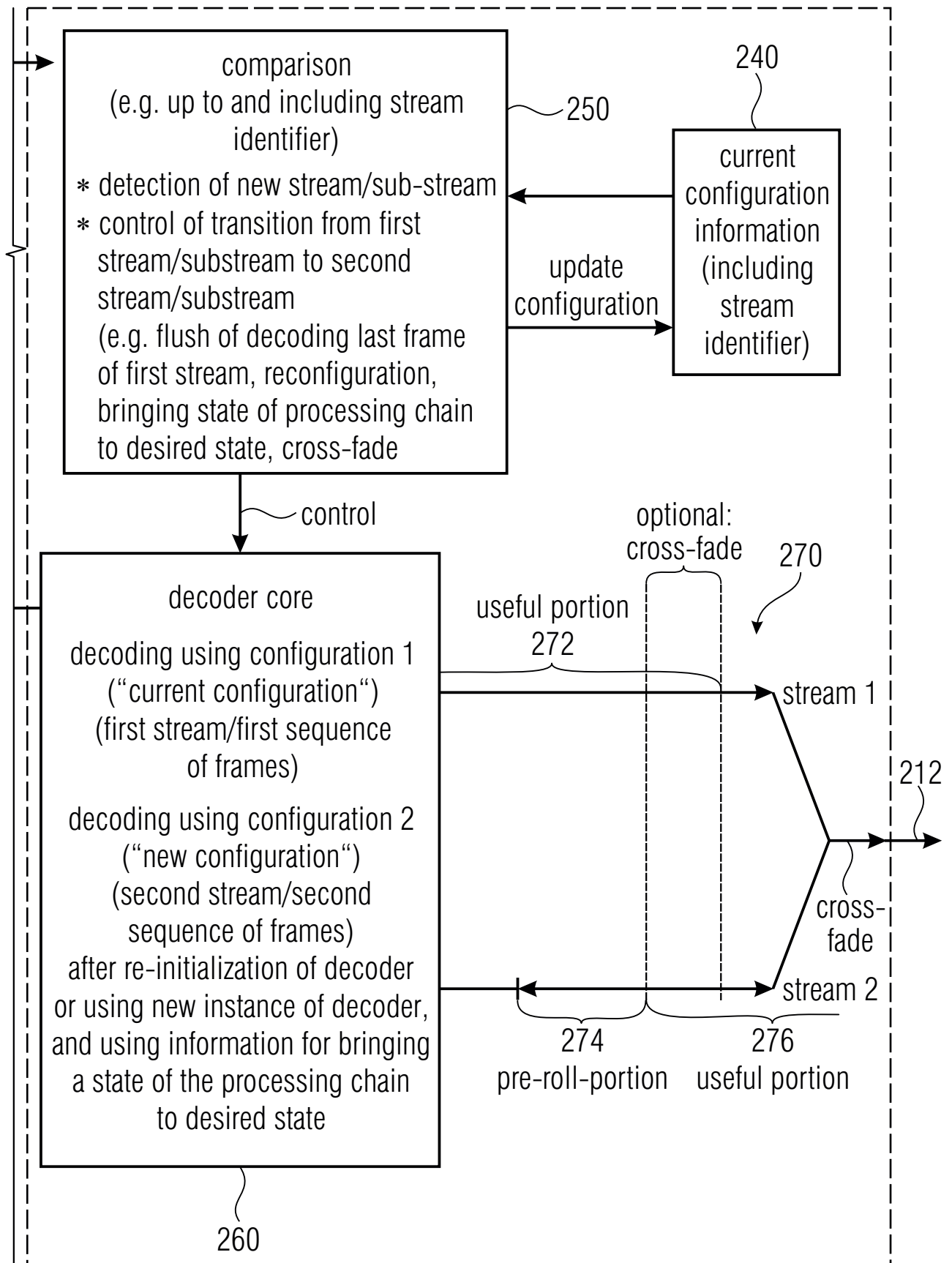


Fig. 2B

Fig. 2	
Fig. 2A	Fig. 2B

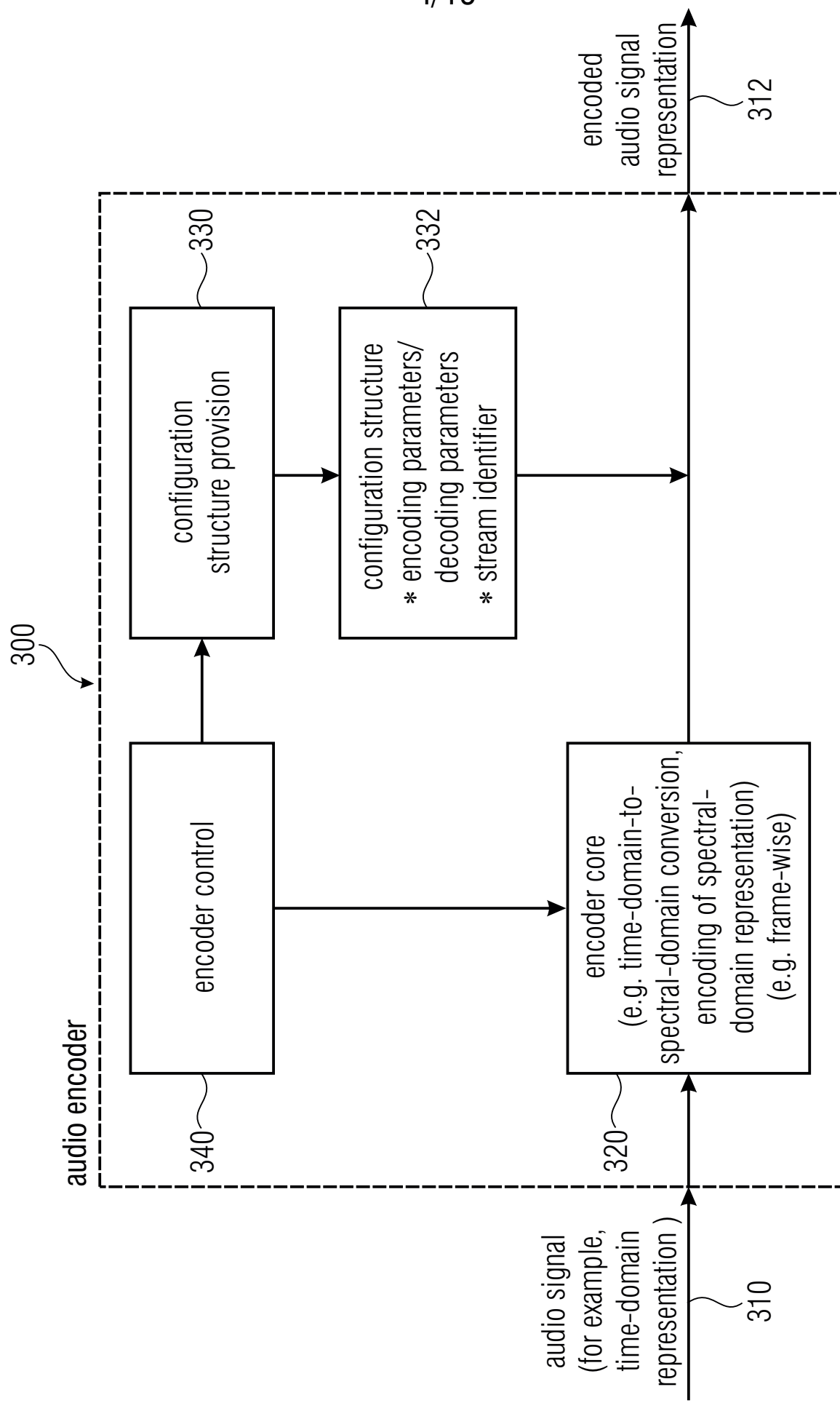


Fig. 3

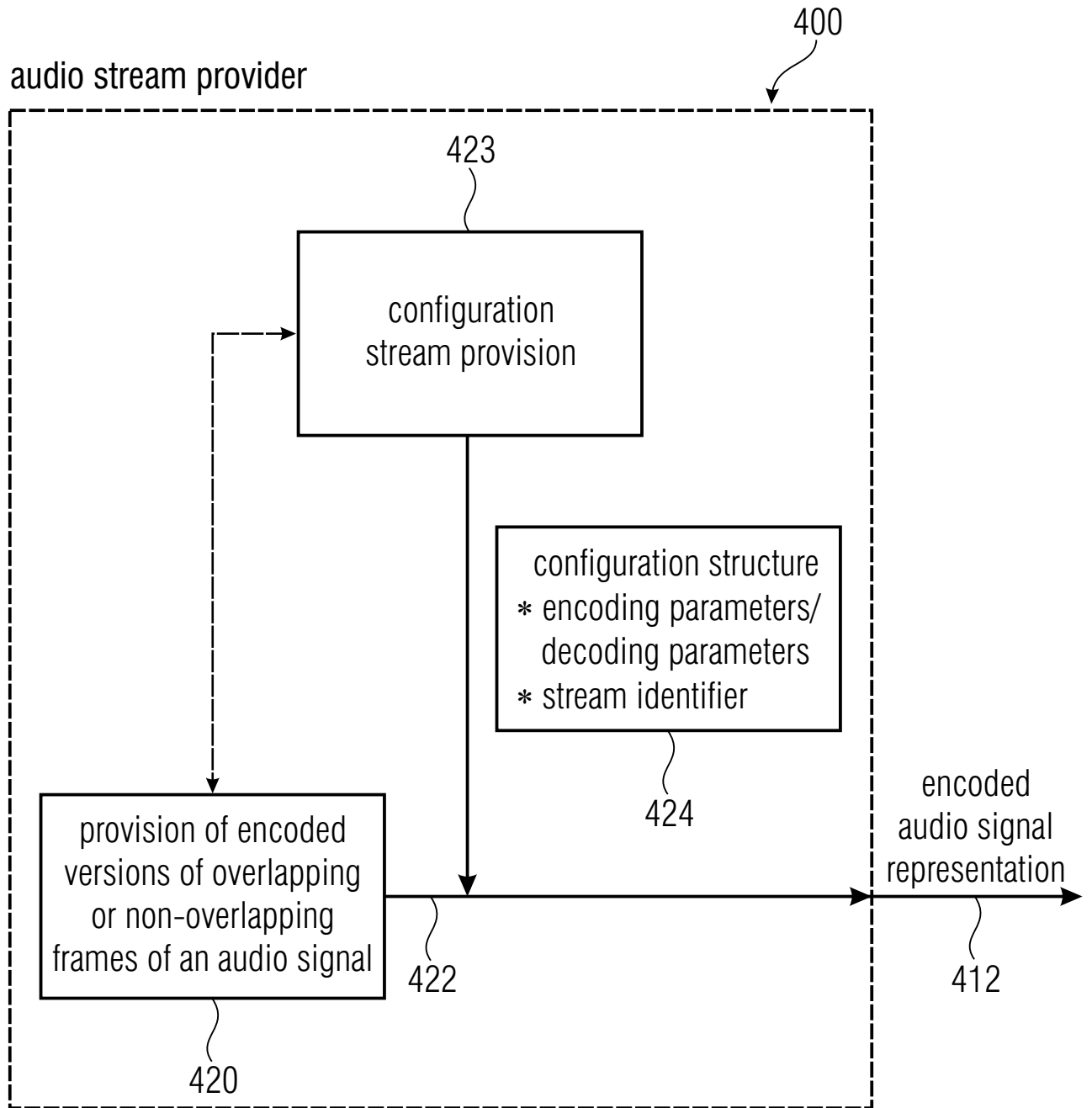


Fig. 4

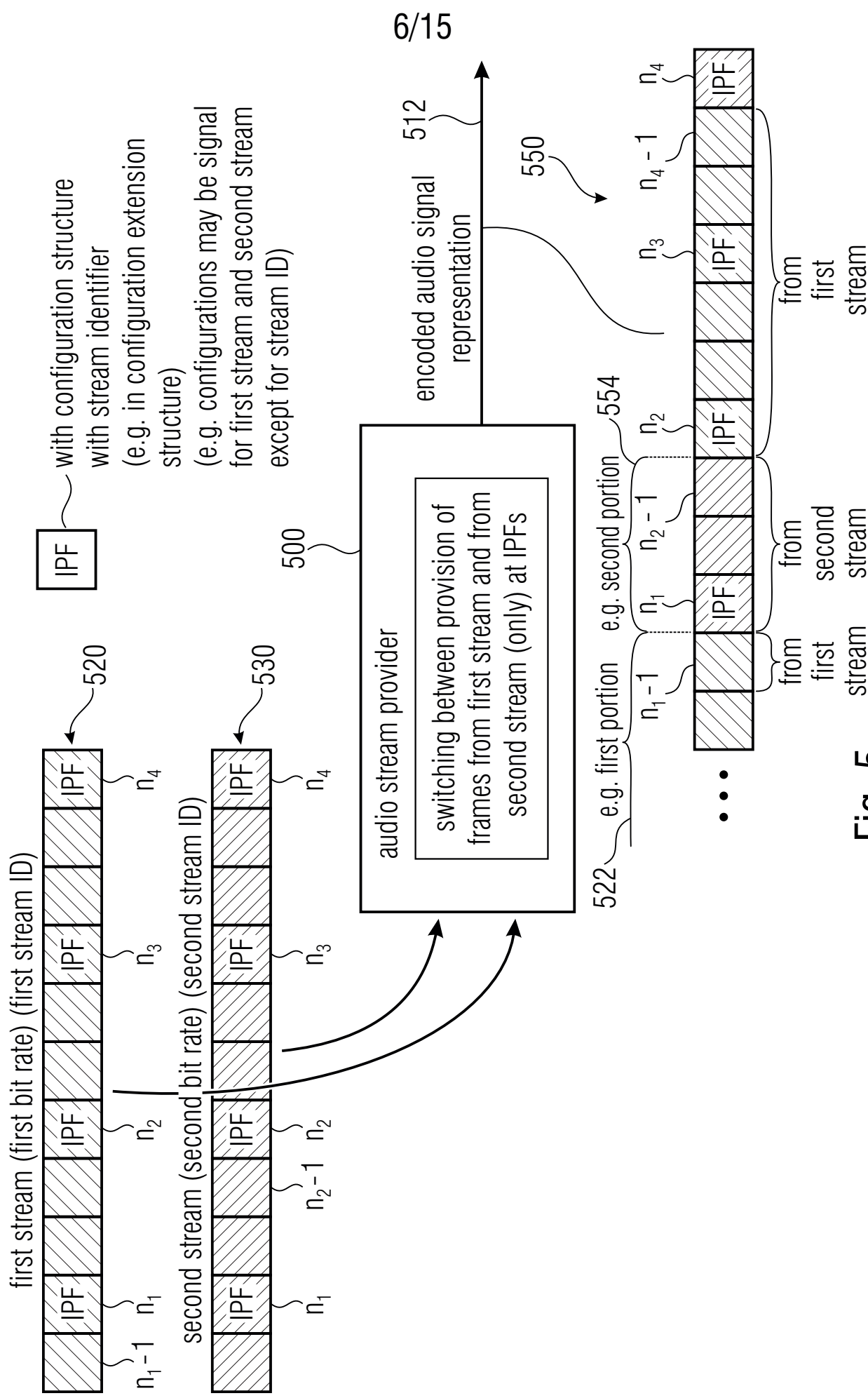


Fig. 5

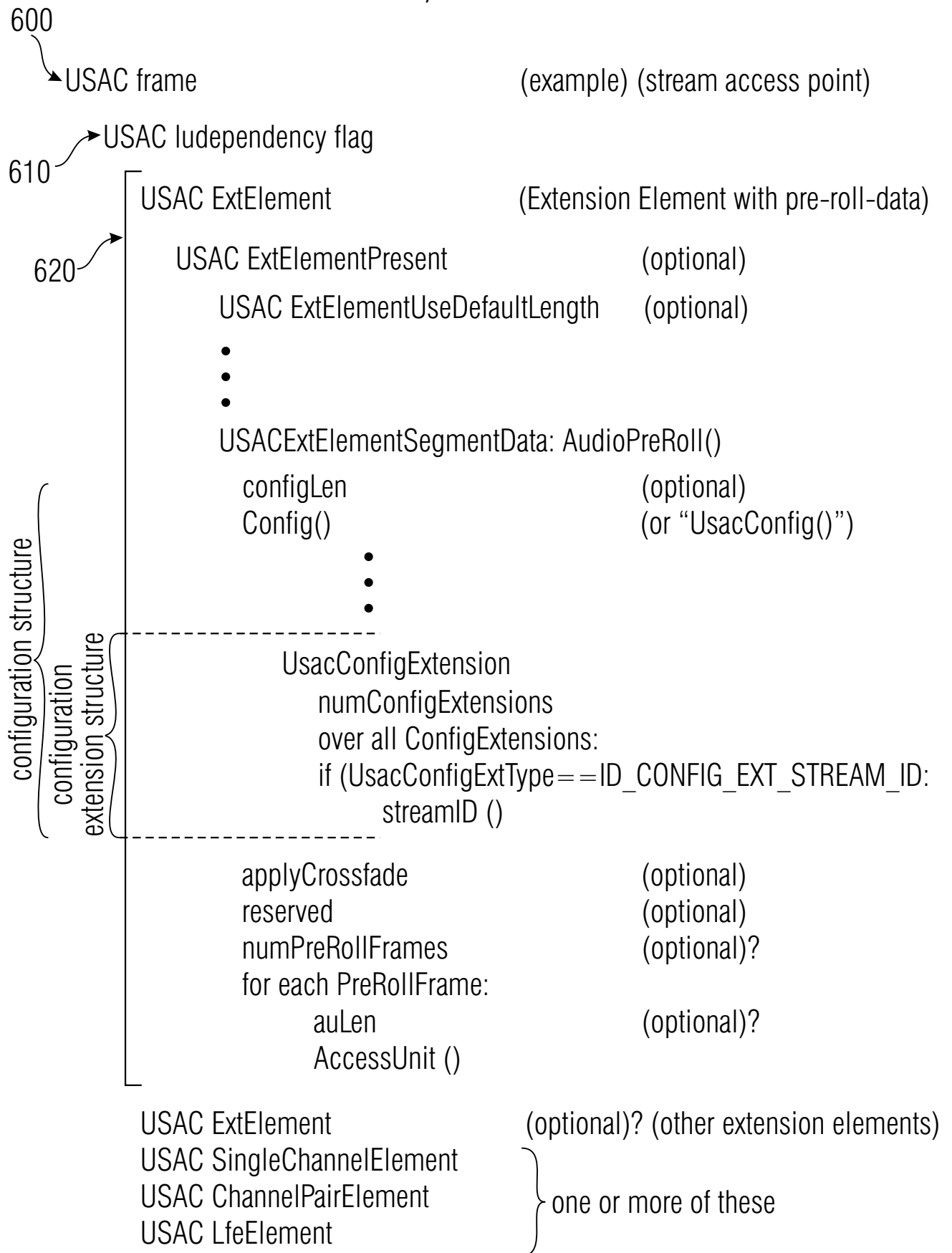


Fig. 6

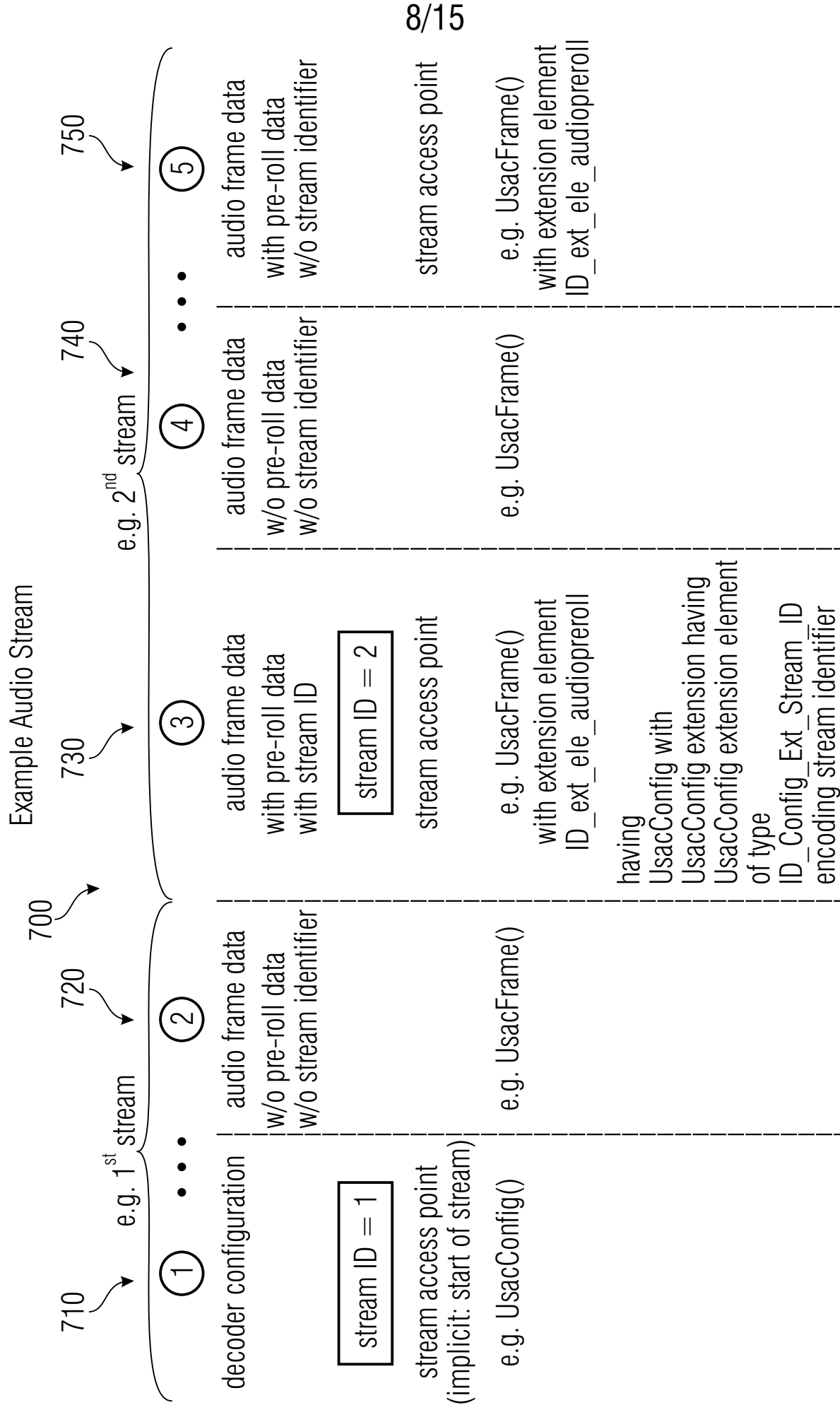


Fig. 7

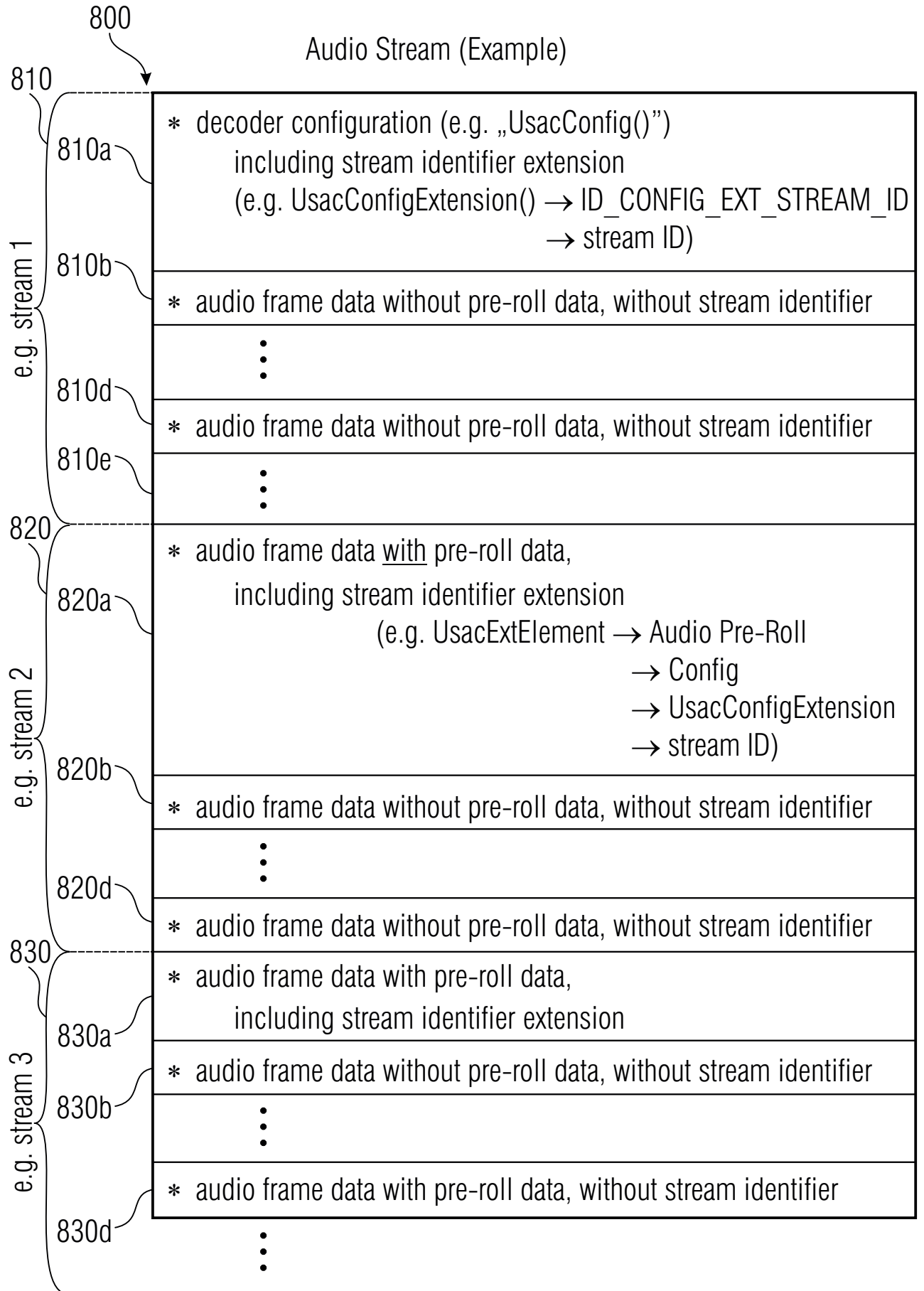


Fig. 8

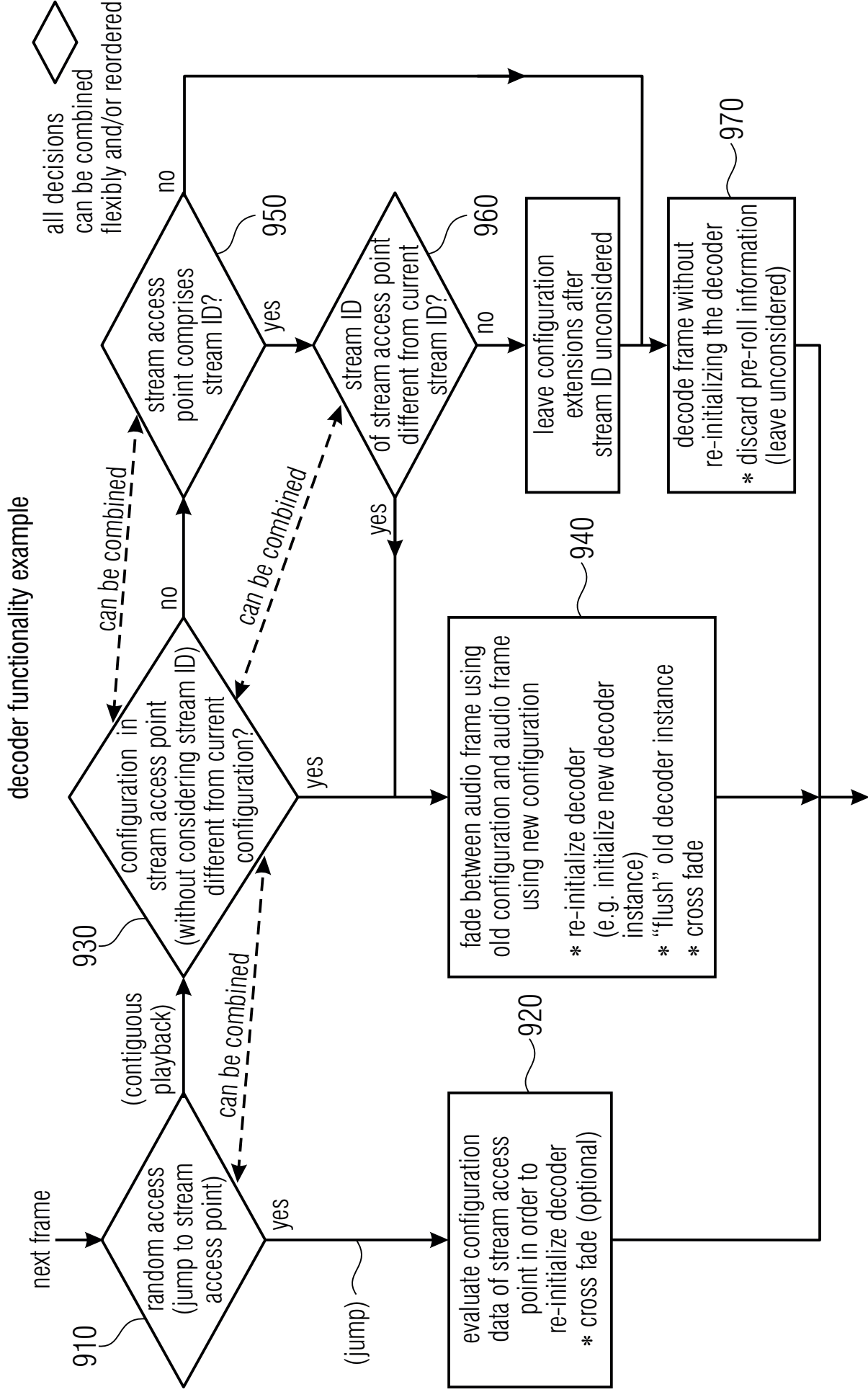


Fig. 9

1010

Syntax of UsacConfig()

Syntax	No. of bits	Mnemonic
UsacConfig()		
{		
usacSamplingFrequencyIndex;	5	bslbf
if (usacSamplingFrequencyIndex == 0x1f){		
usacSamplingFrequency;	24	uimsbf
}		
coreSbrFrameLengthIndex;	3	uimsbf
channelConfigurationIndex;	5	uimsbf
if (channelConfigurationIndex == 0){		
UsacChannelConfig();		
}		
UsacDecoderConfig();		
if (usacConfigExtensionPresent == 1){	1	uimsbf
UsacConfigExtension();		
}		
}		

1020a

1020b

1022a

1024a

1024b

1026a

1028a

11/15

can be
modified

Fig. 10a

1030

Syntax of UsacConfigExtension()

Syntax	No. of bits	Mne- monic	
UsacConfigExtension()			
{			
numConfigExtensions = escapedValue(2,4,8) + 1;			different encoding possible
for (confExtIdx=0; confExtIdx<numConfigExtensions; confExtIdx++) {			
usacConfigExtType[confExtIdx] =			different encoding possible
escapedValue(4,8,16);			
usacConfigExtLength[confExtIdx] =			
escapedValue(4,8,16);			
switch (usacConfigExtType[confExtIdx]) {			
case ID_CONFIG_EXT_FILL:			
while (usacConfigExtLength[confExtIdx]--) {			optional
fill_byte[i]; /* should be '10100101' */	8	uimsbf	
}			
break;			
case ID_CONFIG_EXT_LOUDNESS_INFO:			optional
loudnessInfoSet()			
break;			
case ID_CONFIG_EXT_STREAM_ID:			optional
streamId();			
break;			
default:			
while (usacConfigExtLength[confExtIdx]--) {			optional
tmp;	8	uimsbf	
}			
break;			
}			
}			
}			

Fig. 10b

Syntax of StreamId()

Syntax	No. of bits	Mnemonic
StreamId()		
{		
streamIdentifier	16	Uimbsf
}		

Fig. 10c

usacConfigExtType	Value
ID_CONFIG_EXT_FILL	0
/* reserved for ISO use */	1
ID_CONFIG_EXT_LOUDNESS_INFO	2
/* reserved for ISO use */	3..6
ID_CONFIG_EXT_STREAM_ID	7
/* reserved for ISO use */	8-127
/* reserved for use outside of ISO scope */	128 and higher

Fig. 10d

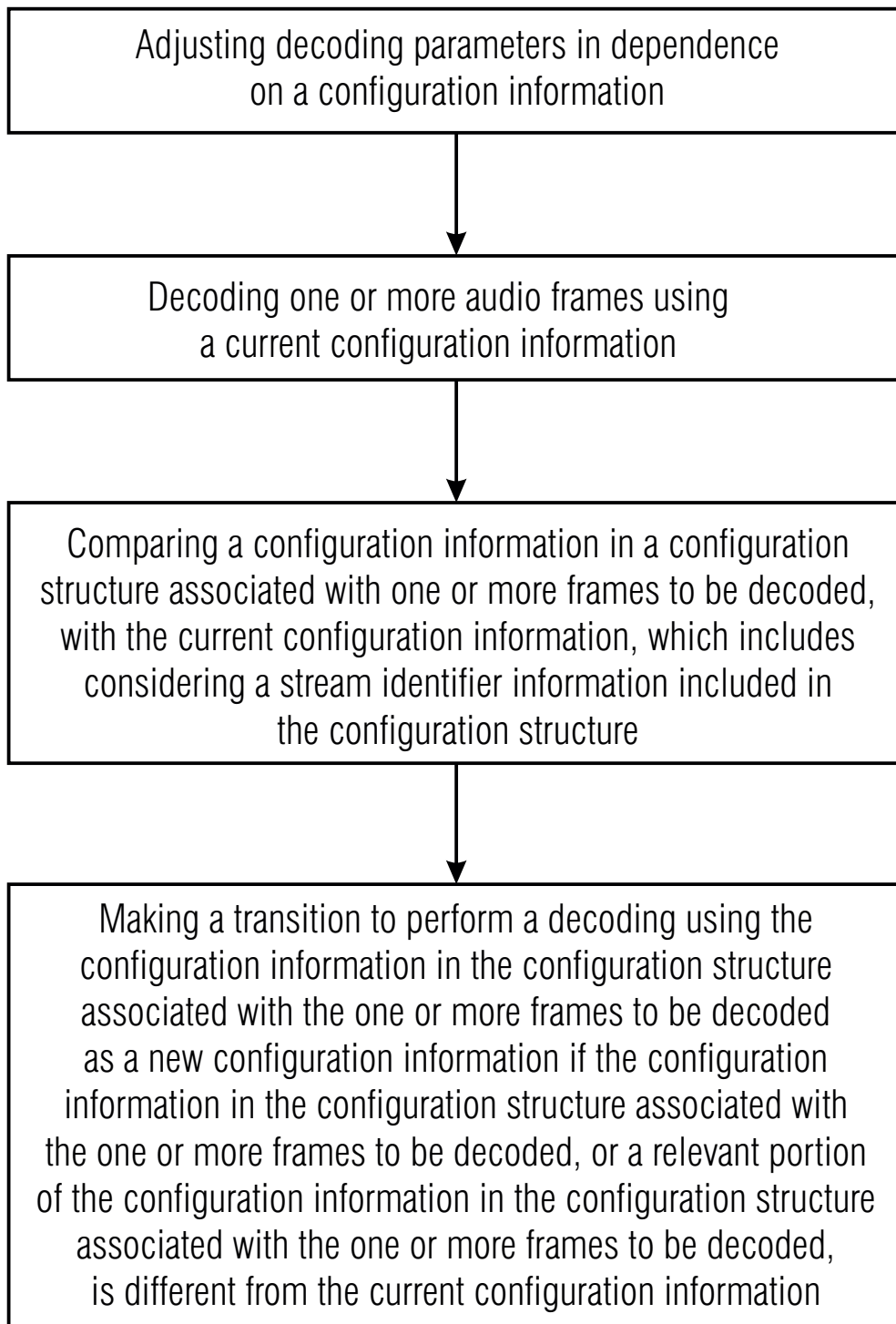


Fig. 11a

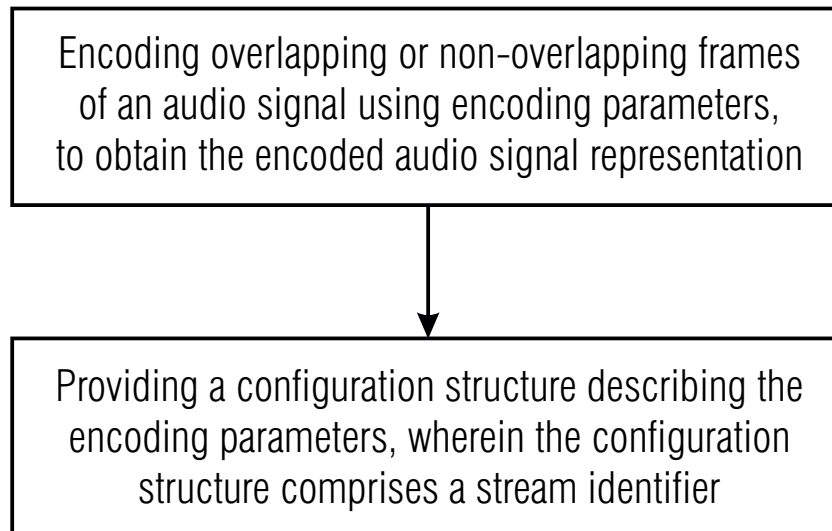


Fig. 11b

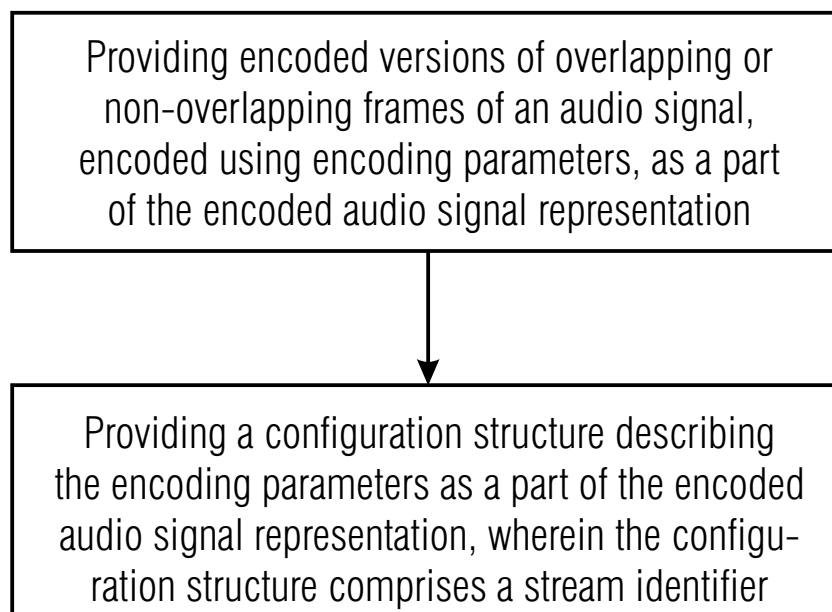


Fig. 11c