Claims

1. An audio decoder for providing a decoded audio signal representation on the basis of an encoded audio signal representation,

wherein the audio decoder is configured to adjust decoding parameters in dependence on a configuration information,

wherein the audio decoder is configured to decode one or more audio frames using a current configuration information, and

wherein the audio decoder is configured to compare a configuration information in a configuration structure associated with one or more frames to be decoded, with the current configuration information, and to make a transition to perform a decoding using the configuration information in the configuration structure associated with the one or more frames to be decoded as a new configuration information if the configuration information in the configuration structure associated with the one or more frames to be decoded, or a relevant portion of the configuration information in the configuration structure associated with the one or more frames to be decoded, is different from the current configuration information;

wherein the audio decoder is configured to consider a stream identifier information included in the configuration structure when comparing the configuration information, such that a difference between a stream identifier previously acquired by the audio decoder and a stream identifier represented by the stream identifier information in the configuration structure associated with the one or more frames to be decoded causes to make the transition;

wherein the audio decoder is configured to perform a cross fade if a configuration change is detected.

2. An audio decoder for providing a decoded audio signal representation on the basis of an encoded audio signal representation,

wherein the audio decoder is configured to adjust decoding parameters in dependence on a configuration information,

wherein the audio decoder is configured to decode one or more audio frames using a current configuration information, and

wherein the audio decoder is configured to compare a configuration information in a configuration structure associated with one or more frames to be decoded, with the current configuration information, and to make a transition to perform a decoding using the configuration information in the configuration structure associated with the one or more frames to be decoded as a new configuration information if the configuration information in the configuration structure associated with the one or more frames to be decoded, or a relevant portion of the configuration information in the configuration structure associated with the one or more frames to be decoded, is different from the current configuration information;

wherein the audio decoder is configured to consider a stream identifier information included in the configuration structure when comparing the configuration information, such that a difference between a stream identifier previously acquired by the audio decoder and a stream identifier represented by the stream identifier information in the configuration structure associated with the one or more frames to be decoded causes to make the transition;

wherein the audio decoder is configured to obtain and process an audio frame representation which comprises a random access information,

wherein the random access information comprises a configuration structure);

wherein the audio decoder is configured to cross-fade between an audio information represented by an audio frame processed before arriving at an audio frame representation which comprises the random access information and an audio information derived on the basis of the audio frame representation which comprises the random access information after an initialization of the audio decoder using the configuration structure of the random access information if the audio decoder finds that the configuration information in the configuration structure of the random access information, or a relevant portion of the configuration information in the configuration structure of the random access information, is different from the current configuration information.

3. The audio decoder according to claim 2, wherein the audio decoder is configured to continue decoding without performing a initialization of the audio decoder if the audio decoder has decoded an audio frame directly preceding an audio frame represented by the audio frame representation which comprises the random access information and if the audio decoder finds that the relevant portion of the configuration information in the configuration structure of the random access information is equal to the current configuration information.

4. The audio decoder according to claim 2 or claim 3, wherein the audio decoder is configured to perform an initialization of the audio decoder using the configuration structure of the random access information if the audio decoder has not decoded an audio frame directly preceding an audio frame represented by the an audio frame representation which comprises the random access information.

5. A method for providing a decoded audio signal representation on the basis of an encoded audio signal representation,

wherein the method comprises adjusting decoding parameters in dependence on a configuration information,

wherein the method comprises decoding one or more audio frames using a current configuration information, and

wherein the method comprises comparing a configuration information in a configuration structure associated with one or more frames to be decoded, with the current configuration information, and wherein the method comprises making a transition to perform a decoding using the configuration information in the configuration structure associated with the one or more frames to be decoded as a new configuration information if the configuration information in the configuration structure associated with the one or more frames to be decoded, or a relevant portion of the configuration information in the configuration structure associated with the one or more frames to be decoded, is different from the current configuration information;

wherein the method comprises considering a stream identifier information included in the configuration structure when comparing the configuration information, such that a difference between a stream identifier previously acquired in the audio decoding and a stream identifier represented by the stream identifier information in the configuration structure associated with the one or more frames to be decoded causes to make the transition;

wherein the method comprises performing a cross fade if a configuration change is detected.

6. A computer program for performing the method according to claim 5 when the computer program runs on a computer.

7. An audio decoder for providing a decoded audio signal representation on the basis of an encoded audio signal representation,

wherein the audio decoder is configured to adjust decoding parameters in dependence on a configuration information,

wherein the audio decoder is configured to decode one or more audio frames using a current configuration information, and

wherein the audio decoder is configured to compare a configuration information in a configuration structure associated with one or more frames to be decoded, with the current configuration information, and to make a transition to perform a decoding using the configuration information in the configuration structure associated with the one or more frames to be decoded as a new configuration information if the configuration information in the configuration structure associated with the one or more frames to be decoded, or a relevant portion of the configuration information in the configuration structure associated with the one or more frames to be decoded, is different from the current configuration information;

wherein the audio decoder is configured to consider a stream identifier information included in the configuration structure when comparing the configuration information, such that a difference between a stream identifier previously acquired by the audio decoder and a stream identifier represented by the stream identifier

information in the configuration structure associated with the one or more frames to be decoded causes to make the transition;

wherein the audio decoder is configured to check whether the configuration structure comprises the stream identifier information, and to selectively consider the stream identifier information in the comparison if the stream identifier information is included in the configuration structure.

8. A method for providing a decoded audio signal representation on the basis of an encoded audio signal representation,

wherein the method comprises adjusting decoding parameters in dependence on a configuration information,

wherein the method comprises decoding one or more audio frames using a current configuration information, and

wherein the method comprises comparing a configuration information in a configuration structure associated with one or more frames to be decoded, with the current configuration information, and wherein the method comprises making a transition to perform a decoding using the configuration information in the configuration structure associated with the one or more frames to be decoded as a new configuration information if the configuration information in the configuration structure associated with the one or more frames to be decoded, or a relevant portion of the configuration information in the configuration structure associated with the one or more frames to be decoded, is different from the current configuration information;

wherein the method comprises considering a stream identifier information included in the configuration structure when comparing the configuration information, such that a difference between a stream identifier previously acquired in the audio decoding and a stream identifier represented by the stream identifier information in the configuration structure associated with the one or more frames to be decoded causes to make the transition;

wherein the method comprises checking whether the configuration structure comprises the stream identifier information, and selectively considering the stream identifier information in the comparison if the stream identifier information is included in the configuration structure.

9. A computer program for performing the method according to claim 8 when the computer program runs on a computer.