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(54) Title: DECODER AND DECODING METHOD SELECTING AN ERROR CONCEALMENT MODE, AND ENCODER AND ENCODING METHOD

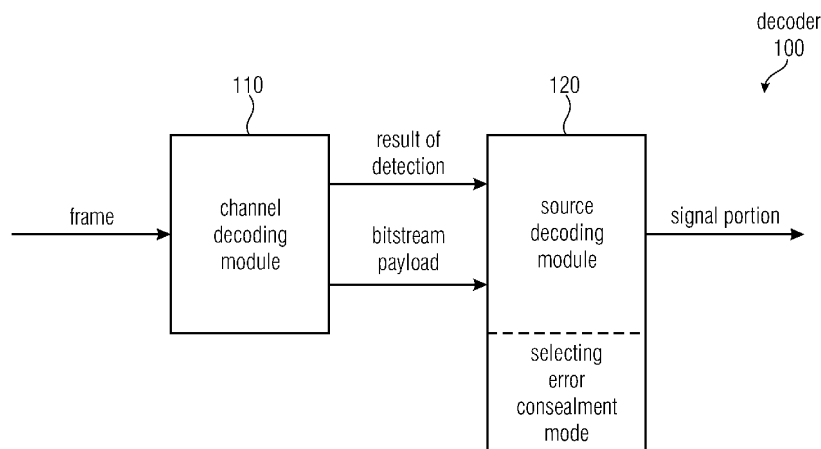


Fig. 1

(57) Abstract: A decoder (100) for decoding a frame to reconstruct a signal portion of a signal is provided. The signal portion is encoded within the frame, wherein the frame comprises a bitstream payload and two or more redundancy bits, wherein the bitstream payload comprises a plurality of payload bits, wherein each of the payload bits exhibits a position within the bitstream payload. The decoder (100) comprises a channel decoding module (110), being configured to detect, depending on the two or more redundancy bits, whether the bitstream payload comprises one or more corrupted bits being one or more of the payload bits that are distorted or that are likely to be distorted. Moreover, the decoder (100) comprises a source decoding module (120). If the channel decoding module (110) has not detected any corrupted bits within the bitstream payload, the source decoding module (120) is configured to decode the bitstream payload without conducting error concealment to reconstruct the signal portion. If the channel decoding module (110) has detected

[Continued on next page]

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the one or more corrupted bits within the bitstream payload, the source decoding module (120) is configured to select a selected error concealment mode of two or more error concealment modes depending on the position of at least one of the one or more corrupted bits within the bitstream payload and depending on a signal characteristic of the signal portion of the signal, and is configured to conduct error concealment depending on the selected error concealment mode to reconstruct the signal portion.