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AUDIO SIGNAL CODING

Title (de)

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Abstract (en)

[origin: WO2005055203A1] One aspect of the invention provides a decoder for MPEG-1 layer III data signals. In the preferred embodiment, the decoder performs a single inverse MDCT on all 576 frequency lines of a respective granule for type 0, 1 and 3 MP3 window functions, and performs three inverse MDCTs on three sets of 192 frequency lines for type 2 window functions. It is found that the use of "long" inverse MDCTs provides an adequate approximation of a hybrid filterbank which comprises a plurality of "short" inverse MDCTs and a synthesis filterbank. As a result, an output signal may be constructed without the need for a filterbank. Another aspect of the invention provides an encoder for generating MPEG-1 layer III type data signals in which "long" MDCTs are used to replace the hybrid filterbank. As a result, MPEG-1 layer III type data signals may be generated without the need for a filterbank.

IPC 8 full level

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CPC (source: EP KR)

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