

Title (en)

SIGNAL ENCODING METHOD AND APPARATUS, AND SIGNAL DECODING METHOD AND APPARATUS

Title (de)

SIGNALCODIERUNGSVERFAHREN UND -VORRICHTUNG UND SIGNALDECODIERUNGSVERFAHREN UND -VORRICHTUNG

Title (fr)

PROCÉDÉ ET APPAREIL DE CODAGE DE SIGNAL, ET PROCÉDÉ ET APPAREIL DE DÉCODAGE DE SIGNAL

Publication

EP 3109611 A1 20161228 (EN)

Application

EP 15749031 A 20150217

Priority

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Abstract (en)

The present invention relates to a method and an apparatus for encoding and decoding spectrum coefficients in the frequency domain. The spectrum encoding method may comprise the steps of: selecting an encoding type on the basis of bit allocation information of respective bands; performing zero encoding with respect to a zero band; and encoding information of selected significant frequency components with respect to respective non-zero bands. The spectrum encoding method enables encoding and decoding of spectrum coefficients which is adaptive to various bit-rates and various sub-band sizes. In addition, a spectrum can be encoded using a TCQ method at a fixed bit rate using a bit-rate control module in a codec that supports multiple rates. Encoding performance of the codec can be maximised by encoding high performance TCQ at a precise target bit rate.

IPC 8 full level

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G10L 19/002 (2013.01 - EP); **G10L 19/24** (2013.01 - EP)

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Designated extension state (EPC)

BA ME

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EP 3109611 A1 20161228; **EP 3109611 A4 20170830**; CN 106233112 A 20161214; CN 106233112 B 20190628; CN 110176241 A 20190827; CN 110176241 B 20231031; JP 2017506771 A 20170309; JP 6633547 B2 20200122; KR 102386738 B1 20220414; KR 102625143 B1 20240115; KR 20160122160 A 20161021; KR 20220051028 A 20220425; KR 20240008413 A 20240118

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EP 15749031 A 20150217; CN 201580020096 A 20150217; CN 201910495957 A 20150217; JP 2016569544 A 20150217; KR 20167022489 A 20150217; KR 20227012038 A 20150217; KR 20247000605 A 20150217