

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 A4 20170830 (EN)**

Application

**EP 15749031 A 20150217**

Priority

- US 201461940798 P 20140217
- KR 2015001668 W 20150217

Abstract (en)

[origin: EP3109611A1] 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

**G01L 19/02** (2006.01)

CPC (source: EP KR)

**G10L 19/002** (2013.01 - KR); **G10L 19/0212** (2013.01 - EP KR); **G10L 19/032** (2013.01 - KR); **G10L 19/24** (2013.01 - KR);  
**G10L 19/002** (2013.01 - EP); **G10L 19/24** (2013.01 - EP)

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DOCDB simple family (publication)

**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

DOCDB simple family (application)

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