Title (en)

APPARATUS AND METHOD FOR ENCODING AN ENHANCEMENT LAYER

Title (de)

VORRICHTUNG UND VERFAHREN ZUR KODIERUNG EINER VERSTÄRKUNGSSCHICHT

Title (fr)

APPAREIL ET PROCÉDÉ DE CODAGE DE COUCHE D'AMÉLIORATION

Publication

EP 2179415 B1 20130320 (EN)

Application

EP 08793289 A 20080818

Priority

- KR 2008004775 W 20080818
- KR 20070082346 A 20070816
- KR 20080024919 A 20080318
- KR 20080079929 A 20080814

Abstract (en)

[origin: WO2009022884A1] Provided is a method and apparatus for encoding and decoding an enhancement layer to reduce quantization error in a G.711 codec. Exponent indices of additional mantissa information of each sample are calculated based upon exponent information of each sample in a frame. A process of allocating 1 bit to each sample with a current exponent index is repeated, the exponent index starting from the maximum value while decreasing by 1 at every repetition until the total number of bits allocated to the samples is equal to the total number of available bits in the frame. And the most significant bits, as many as the number of bits allocated to each sample, are extracted from the additional mantissa information of each sample in the frame.

IPC 8 full level

G10L 19/035 (2013.01); **G10L 19/00** (2006.01); **G10L 19/002** (2013.01); **G10L 19/24** (2013.01)

CPC (source: EP)

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

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2009022884 A1 20090219; EP 2179415 A1 20100428; EP 2179415 A4 20110720; EP 2179415 B1 20130320; EP 2187387 A2 20100519; EP 2187387 A3 20120125; EP 2187387 B1 20130731; EP 2202728 A1 20100630; EP 2202728 B1 20130327

DOCDB simple family (application)

KR 2008004775 W 20080818; EP 08793289 A 20080818; EP 10153630 A 20080818; EP 10153693 A 20080818