

Title (en)

Method for encoding and decoding an enhancement layer

Title (de)

Verfahren zur Kodierung und Dekodierung von Erweiterungsschichten

Title (fr)

Procédé de codage et décodage de couche à enrichissement

Publication

EP 2187387 A2 20100519 (EN)

Application

EP 10153693 A 20080818

Priority

- EP 08793289 A 20080818
- KR 20070082346 A 20070816
- KR 20080024919 A 20080318
- KR 20080079929 A 20080814

Abstract (en)

Provided is a method and apparatus for encoding and decoding an enhancement layer to reduce quantization error in a G.71 codec. Exponent indices of additional mantissa information of each samples are calculated based upon exponent information of each samples 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 samples in the frame.

IPC 8 full level

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

CPC (source: EP)

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

Cited by

CN104067338A; FR2981781A1; WO2013057453A3; WO2013057453A2; US8981970B2

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

Designated extension state (EPC)

AL BA MK RS

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