

Title (en)

IMPROVED ENCODING OF AN IMPROVEMENT STAGE IN A HIERARCHICAL ENCODER

Title (de)

VERBESSERTE KODIERUNG EINER VERBESSERUNGSSTUFE BEI EINEM HIERARCHISCHEN KODIERER

Title (fr)

CODAGE PERFECTIONNE D'UN ETAGE D'AMELIORATION DANS UN CODEUR HIERARCHIQUE

Publication

EP 2652735 B1 20150819 (FR)

Application

EP 11811097 A 20111213

Priority

- FR 1060631 A 20101216
- FR 2011052959 W 20111213

Abstract (en)

[origin: WO2012080649A1] The invention relates to a method for encoding a digital audio input signal $x(n)$ in a hierarchical encoder including a core encoding stage, having B bits, and at least one current encoding improvement stage k, outputting quantification indices that are concatenated so as to form the indices of the preceding interlaced encoder (IB+k-1). The method is such that it comprises the steps of obtaining (303) possible quantification values $(d_{iB+k}(n))$ for the current improvement stage k by determining absolute levels for reconstructing the single current stage k on the basis of the indices from the preceding interlaced encoder (IB+k-1), and quantifying (306) the hierarchical encoder input signal that was or was not subjected to perceptual weighting processing $(x(n)$ or $x'(n))$ from said possible quantification values $(d_{iB+k}(n))$ for forming a scalar quantification index for the stage k (lenh B+k(n)) and a quantified signal $(x_{B+k}(n))$ corresponding to one of the possible quantification values. The invention also relates to a hierarchical encoder implementing the above-described encoding method.

IPC 8 full level

G10L 19/02 (2013.01); **G10L 19/032** (2013.01); **G10L 19/24** (2013.01)

CPC (source: EP KR US)

G10L 19/00 (2013.01 - US); **G10L 19/02** (2013.01 - KR); **G10L 19/0208** (2013.01 - EP US); **G10L 19/032** (2013.01 - EP US); **G10L 19/06** (2013.01 - KR); **G10L 19/24** (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2012080649 A1 20120621; CN 103370740 A 20131023; CN 103370740 B 20150930; EP 2652735 A1 20131023; EP 2652735 B1 20150819; FR 2969360 A1 20120622; JP 2014501395 A 20140120; JP 5923517 B2 20160524; KR 20140005201 A 20140114; US 2013268268 A1 20131010

DOCDB simple family (application)

FR 2011052959 W 20111213; CN 201180067643 A 20111213; EP 11811097 A 20111213; FR 1060631 A 20101216; JP 2013543859 A 20111213; KR 20137018623 A 20111213; US 201113995014 A 20111213