Title (en)

Apparatus and method for selecting quantisation bands in audio encoders

Title (de)

Vorrichtung und Verfahren zum Auswählen von Quantisierungsbändern in Audiokodierern

Title (fr)

Appareil et procédé de sélection de bandes de quantification dans des encodeurs audio

Publication

EP 2267700 A1 20101229 (EN)

Application

EP 09008170 A 20090622

Priority

EP 09008170 A 20090622

Abstract (en)

An apparatus for compressing an audio signal in which a processor implementing the compression algorithm conducts a binary, or bisection, search of a quantiser table in order to determine which quantised output value is most appropriate for a given input value. The processor is programmed to perform each iteration of the bisection search in three processor instructions by performing specific combinations of memory reads and computations during each instruction. The apparatus reduces power consumption and is particularly suited for use with Bluetooth transmission.

IPC 8 full level

G10L 19/02 (2006.01); **G10L 19/032** (2013.01)

CPC (source: EP)

G10L 19/032 (2013.01)

Citation (search report)

[A] WO 9962189 A2 19991202 - MICROSOFT CORP [US]

Cited by

CN102737639A

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

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DOCDB simple family (publication)

EP 2267700 A1 20101229; **EP 2267700 B1 20111221**; AT E538470 T1 20120115

DOCDB simple family (application)

EP 09008170 A 20090622; AT 09008170 T 20090622