Title (en)

Wideband audio signal coding/decoding device and method

Title (de)

Kodierungs-/Dekodierungsvorrichtung und -verfahren für Breitband-Audiosignale

Title (fr)

Dispositif et procédé de codage/décodage de signal audio à large bande

Publication

EP 2051245 A2 20090422 (EN)

Application

EP 08105551 A 20081010

Priority

KR 2007104402 W 20071017

Abstract (en)

Disclosed is a wideband audio signal coding/decoding device and method that may code a wideband audio signal while maintaining a low bit rate. The wideband audio signal coding device includes an enhancement layer (200) that extracts a first spectrum parameter from an inputted wideband signal having a first bandwidth, quantizes the extracted first spectrum parameter, and converts the extracted first spectrum parameter into a second spectrum parameter; and a coding unit (130) that extracts a narrowband signal from the inputted wideband signal and codes the narrowband signal based on the second spectrum parameter provided from the enhancement layer, wherein the narrowband signal has a second bandwidth smaller than the first bandwidth. The wideband audio signal coding/decoding device and method may code a wideband audio signal while maintaining a low bit rate.

IPC 8 full level

G10L 21/02 (2013.01); **G10L 19/06** (2013.01); **G10L 19/24** (2013.01); **G10L 21/038** (2013.01); G10L 25/12 (2013.01); G10L 25/24 (2013.01)

CPC (source: EP)

G10L 19/06 (2013.01); **G10L 21/038** (2013.01); G10L 19/24 (2013.01); G10L 25/12 (2013.01); G10L 25/24 (2013.01)

Citation (applicant)

A. KATAOKA ET AL.: "A 16-kbit/s wideband speech codec scalable with G.729", PROC. EUROSPEECH, September 1997 (1997-09-01), pages 1491 - 1494, XP001045105

Cited by

RU2636697C1; US10347257B2; US11289102B2; CN103928031A; EP2905777A4; CN105551497A; EP3203470A1; EP3486905A1; EP3764355A1; US9761235B2; US10210880B2; US10770085B2; US11430456B2; US11869520B2

Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2051245 A2 20090422; **EP 2051245 A3 20130710**

DOCDB simple family (application)

EP 08105551 A 20081010