

Title (en)
AUDIO ENCODING DEVICE AND METHOD

Title (de)
AUDIOCODIERUNGSVORRICHTUNG, -VERFAHREN UND -PROGRAMM SOWIE AUDIODECODIERUNGSVORRICHTUNG, -VERFAHREN UND -PROGRAMM

Title (fr)
DISPOSITIF, PROCÉDÉ ET PROGRAMME DE CODAGE AUDIO, ET DISPOSITIF, PROCÉDÉ ET PROGRAMME DE DÉCODAGE AUDIO

Publication
EP 4239635 A3 20231115 (EN)

Application
EP 23187229 A 20111104

Priority

- JP 2010260447 A 20101122
- JP 2011033915 A 20110218
- EP 19161209 A 20111104
- EP 15184203 A 20111104
- EP 11842953 A 20111104
- JP 2011033195 A 20110218
- JP 2011075489 W 20111104

Abstract (en)
An audio encoding device for encoding an audio signal consisting of a plurality of frames, the audio encoding device comprising: an audio encoding unit for encoding the audio signal; and an auxiliary information encoding unit for estimating and encoding auxiliary information about a temporal change of power of the audio signal, the auxiliary information being used in packet loss concealment in decoding of the audio signal, wherein the auxiliary information encoding unit estimates and encodes quantized transient power and a flag of sudden change of power, as the auxiliary information.

IPC 8 full level
G10L 19/005 (2013.01); **G10L 25/21** (2013.01)

CPC (source: EP)
G10L 19/005 (2013.01); **G10L 25/21** (2013.01)

Citation (search report)

- [A] US 2005154584 A1 20050714 - JELINEK MILAN [CA], et al
- [A] GEISER BERND ET AL: "Joint pre-echo control and frame erasure concealment for VoIP audio codecs", 2009 17TH EUROPEAN SIGNAL PROCESSING CONFERENCE, IEEE, 24 August 2009 (2009-08-24), pages 1259 - 1263, XP032758754, ISBN: 978-1-61738-876-7, [retrieved on 20150401]
- [A] BERND GEISER ET AL: "Candidate proposal for ITU-T super-wideband speech and audio coding", ACOUSTICS, SPEECH AND SIGNAL PROCESSING, 2009. ICASSP 2009. IEEE INTERNATIONAL CONFERENCE ON, IEEE, PISCATAWAY, NJ, USA, 19 April 2009 (2009-04-19), pages 4121 - 4124, XP031460181, ISBN: 978-1-4244-2353-8
- [A] "G.729-based embedded variable bit-rate coder: An 8-32 kbit/s scalable wideband coder bitstream interoperable with G.729; G.729.1 (05/06)", ITU-T STANDARD, INTERNATIONAL TELECOMMUNICATION UNION, GENEVA ; CH, no. G.729.1 (05/06), 29 May 2006 (2006-05-29), pages 1 - 100, XP017466254
- [A] MOHAMED CHIBANI ET AL: "Fast Recovery for a CELP-Like Speech Codec After a Frame Erasure", IEEE TRANSACTIONS ON AUDIO, SPEECH AND LANGUAGE PROCESSING, IEEE SERVICE CENTER, NEW YORK, NY, USA, vol. 15, no. 8, 15 October 2007 (2007-10-15), pages 2485 - 2495, XP011192967, ISSN: 1558-7916, DOI: 10.1109/TASL.2007.907332
- [A] KOMAKI N ET AL: "A PACKET LOSS CONCEALMENT TECHNIQUE FOR VOIP USING STEGANOGRAPHY", IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS, COMMUNICATIONS AND COMPUTER SCIENCES, ENGINEERING SCIENCES SOCIETY, TOKYO, JP, vol. E86-A, no. 8, 1 August 2003 (2003-08-01), pages 2069 - 2072, XP001177867, ISSN: 0916-8508

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)
EP 4239635 A2 20230906; EP 4239635 A3 20231115; DK 3518234 T3 20240102

DOCDB simple family (application)
EP 23187229 A 20111104; DK 19161209 T 20111104