

Title (en)
DEVICE FOR PERCEPTUAL WEIGHTING IN AUDIO ENCODING/DECODING

Title (de)
VORRICHTUNG FÜR WAHRNEHMUNGSGEWICHTUNG BEI DER TONKODIERUNG/-DEKODIERUNG

Title (fr)
DISPOSITIF DE PONDERATION PERCEPTUELLE EN CODAGE/DECODAGE AUDIO

Publication
EP 1989706 B1 20111026 (FR)

Application
EP 07731586 A 20070207

Priority
• FR 2007050760 W 20070207
• FR 0650538 A 20060214

Abstract (en)
[origin: US8260620B2] A hierarchical audio coder for use in a frequency band divided into adjacent first and second sub-bands, the coder including: a core coder (305) for coding an original signal in the first sub-band of the frequency band; a stage (306) for calculating a residual signal (e) from the original signal and the signal from the core coder; a device (307) for perceptually weighting the residual signal (e). The perceptual weighting device includes a perceptually weighted filter (307) with gain compensation adapted to realize spectral continuity between the output signal of the perceptually weighted filter with gain compensation and the signal in the second sub-band. Application to transmitting and storing digital signals, such as audio-frequency speech, music, etc. signals.

IPC 8 full level
G10L 19/02 (2006.01); **G10L 19/24** (2013.01)

CPC (source: EP KR US)
G10L 19/0208 (2013.01 - EP US); **G10L 19/04** (2013.01 - KR); **G10L 19/12** (2013.01 - KR); **G10L 19/24** (2013.01 - EP KR US)

Designated contracting state (EPC)
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WO 2007093726 A2 20070823; WO 2007093726 A3 20071018; AT E531037 T1 20111115; CN 101385079 A 20090311; CN 101385079 B 20120829; EP 1989706 A2 20081112; EP 1989706 B1 20111026; JP 2009527017 A 20090723; JP 5117407 B2 20130116; KR 101366124 B1 20140221; KR 20080093450 A 20081021; US 2009076829 A1 20090319; US 8260620 B2 20120904

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