Title (en)

Audio bandwidth dependent noise suppression

Title (de)

Audiobandbreitenabhängige Geräuschunterdrückung

Title (fr)

Suppression de bruit dépendant de la largeur de bande audio

Publication

EP 2760022 A1 20140730 (EN)

Application

EP 13153105 A 20130129

Priority

EP 13153105 A 20130129

Abstract (en)

A system and method for audio bandwidth dependent noise suppression may detect the audio bandwidth of an audio signal responsive to one or more audio indicators. The audio indicators may include the audio sampling rate and characteristics of an associated compression format. Noise suppression gains may be calculated responsive to the audio signal. Noise suppression gains may mitigate undesirable noise in the reproduced output signal. The noise suppression gains may be modified responsive to the detected audio bandwidth. Less noise reduction may be desirable when more audio bandwidth is available. The modified noise suppression gains may be applied to the audio signal.

IPC 8 full level

G10L 21/0208 (2013.01)

CPC (source: EP)

G10L 21/0208 (2013.01); G10L 19/24 (2013.01); G10L 21/0264 (2013.01)

Citation (applicant)

US 7844453 B2 20101130 - HETHERINGTON PHILLIP A [CA]

Citation (search report)

- [Y] US 5012519 A 19910430 - ADLERSBERG SHABTAI [IL], et al
- [A] US 2006020450 A1 20060126 - MISEKI KIMIO [JP]
- [AD] US 7844453 B2 20101130 - HETHERINGTON PHILLIP A [CA]
- [XYI] "G.718: Frame error robust narrow-band and wideband embedded variable bit-rate coding of speech and audio from 8-32 kbit/s", ITU-T; STUDY PERIOD 2009-2012, INTERNATIONAL TELECOMMUNICATION UNION, GENEVA ; CH, vol. Study Group 16, 13 September 2010 (2010-09-13), pages 1 - 257, XP017452920

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2760022 A1 20140730; **EP 2760022 B1 20171101**

DOCDB simple family (application)

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