

Title (en)

Method for suppressing noise in an audio signal by an algorithm with variable spectral gain with dynamically adaptive strength

Title (de)

Verfahren zur Geräuschkämpfung eines Audiosignals mit Hilfe eines Algorithmus mit variabler Spektralverstärkung mit dynamisch modulierbarer Härte

Title (fr)

Procédé de débruitage d'un signal audio par un algorithme à gain spectral variable à dureté modulable dynamiquement

Publication

EP 2772916 B1 20151202 (FR)

Application

EP 14155968 A 20140220

Priority

FR 1351760 A 20130228

Abstract (en)

[origin: EP2772916A1] The method involves generating (10) a set of successive time frames (y-k) of a digitalized noisy audio signal (y-n), and applying a Fourier transform (12) to the set of successive time frames so as to produce a signal spectrum (Y-ki) for each signal time frame. A variable spectral gain (16) is calculated for each frequency band of each current time frame. A modulatable value is calculated by applying increment/decrement to a parameterized nominal value (Gmin) of a minimal gain for the current time frame.

IPC 8 full level

G10L 21/0208 (2013.01); **G10L 25/18** (2013.01); **G10L 25/84** (2013.01)

CPC (source: EP US)

G10L 21/0208 (2013.01 - EP US); **G10L 25/18** (2013.01 - EP US); **G10L 25/84** (2013.01 - EP US); **G10L 2021/02087** (2013.01 - EP US)

Cited by

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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 2772916 A1 20140903; **EP 2772916 B1 20151202**; CN 104021798 A 20140903; CN 104021798 B 20190528; FR 3002679 A1 20140829; FR 3002679 B1 20160722; US 2014244245 A1 20140828

DOCDB simple family (application)

EP 14155968 A 20140220; CN 201410163809 A 20140228; FR 1351760 A 20130228; US 201414190859 A 20140226