

Title (en)

A CLASSING METHOD AND DEVICE FOR SOUND SIGNAL

Title (de)

CLASSING-VERFAHREN UND EINRICHTUNG FÜR EIN TONSIGNAL

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CLASSEMENT POUR UN SIGNAL SONORE

Publication

**EP 2096629 A4 20110126 (EN)**

Application

**EP 07855800 A 20071226**

Priority

- CN 2007003798 W 20071226
- CN 200610164456 A 20061205

Abstract (en)

[origin: EP2096629A1] A method for classifying sound signals includes: receiving sound signals, and determining the update rate of background noise according to spectral distribution parameters of the background noise and the sound signals; and updating the noise parameters according to the update rate, and classifying the sound signals according to sub-band energy parameters and updated noise parameters. An apparatus for classifying sound signals includes: a background noise parameter updating module, configured to: determine the update rate of background noise according to spectral distribution parameters of the background noise and the current sound signals; and send the determined update rate; and a PSC module, configured to: receive the update rate from the background noise parameter updating module, update the noise parameters, classify the current sound signals according to the sub-band energy parameters and updated noise parameters, and send the sound signal type determined through classification.

IPC 8 full level

**G10L 11/02** (2006.01); **G10L 25/78** (2013.01); **G10L 19/20** (2013.01)

CPC (source: EP)

**G10L 25/78** (2013.01); **G10L 19/20** (2013.01)

Citation (search report)

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- [X1] JELINEK M ET AL: "Robust signal/noise discrimination for wideband speech and audio coding", SPEECH CODING, 2000. PROCEEDINGS. 2000 IEEE WORKSHOP ON SEPTEMBER 17-20, 2000, PISCATAWAY, NJ, USA,IEEE, 17 September 2000 (2000-09-17), pages 151 - 153, XP010520072, ISBN: 978-0-7803-6416-5
- [A] "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions (3GPP TS 26.290 version 6.3.0 Release 6); ETSI TS 126 290", ETSI STANDARDS, LIS, SOPHIA ANTIPOLIS CEDEX, FRANCE, vol. 3-SA4, no. V6.3.0, 1 June 2005 (2005-06-01), XP014030612, ISSN: 0000-0001
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**EP 2096629 A1 20090902**; **EP 2096629 A4 20110126**; **EP 2096629 B1 20121024**; CN 100483509 C 20090429; CN 101197135 A 20080611; WO 2008067735 A1 20080612

DOCDB simple family (application)

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