

Title (en)

ACOUSTIC VOICE ACTIVITY DETECTION (AVAD) FOR ELECTRONIC SYSTEMS

Title (de)

AKUSTISCHE SPRACHAKTIVITÄTSERFASSUNG (AVAD) FÜR ELEKTRONISCHE SYSTEME

Title (fr)

DÉTECTION ACOUSTIQUE D ACTIVITÉ VOCALE (AVAD) POUR SYSTÈMES ÉLECTRONIQUES

Publication

EP 2353302 A1 20110810 (EN)

Application

EP 09822855 A 20091026

Priority

- US 2009062129 W 20091026
- US 10842608 P 20081024

Abstract (en)

[origin: WO2010048635A1] Acoustic Voice Activity Detection (AVAD) methods and systems are described. The AVAD methods and systems, including corresponding algorithms or programs, use microphones to generate virtual directional microphones which have very similar noise responses and very dissimilar speech responses. The ratio of the energies of the virtual microphones is then calculated over a given window size and the ratio can then be used with a variety of methods to generate a VAD signal. The virtual microphones can be constructed using either an adaptive or a fixed filter.

IPC 8 full level

H04R 3/00 (2006.01)

CPC (source: EP)

G10L 25/78 (2013.01); **G10L 2021/02165** (2013.01); **H04R 3/005** (2013.01)

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010048635 A1 20100429; AU 2009308442 A1 20100429; AU 2016202314 A1 20160505; CA 2741652 A1 20100429; CN 102282865 A 20111214; EP 2353302 A1 20110810; EP 2353302 A4 20160608

DOCDB simple family (application)

US 2009062129 W 20091026; AU 2009308442 A 20091026; AU 2016202314 A 20160413; CA 2741652 A 20091026; CN 200980151512 A 20091026; EP 09822855 A 20091026