

Title (en)

METHOD FOR DETERMINING INTENSITY PARAMETERS OF BACKGROUND NOISE IN SPEECH PAUSES OF VOICE SIGNALS

Title (de)

VERFAHREN ZUR BESTIMMUNG VON INTENSITÄTSKENNWERTEN VON HINTERGRUNDGERÄUSCHEN IN SPRACHPAUSEN VON SPRACHSIGNALEN

Title (fr)

PROCEDE DE DETERMINATION DE VALEURS CARACTERISTIQUES D'INTENSITE DE BRUITS DE FOND DANS DES PAUSES DE VOIX DE SIGNAUX VOCAUX

Publication

**EP 1382034 B1 20050216 (DE)**

Application

**EP 02727282 A 20020403**

Priority

- DE 0201200 W 20020403
- DE 10120168 A 20010418

Abstract (en)

[origin: US7277847B2] A method for determining intensity characteristics of background noise during speech pauses of speech signals includes determining a proportion of speech pauses in the undisturbed source speech signal so as to define a frequency threshold. The disturbed speech signal is divided into short successive signal elements, an intensity value is determined for each of the signal elements, and a cumulative relative frequency distribution is formed from the determined intensity values of the signal elements. The cumulative relative frequency distribution is used to determine an intensity threshold value which corresponds to the defined frequency threshold. At least one intensity characteristic of the background noise during the speech pauses is determined using a region of the cumulative relative frequency distribution below the intensity threshold value.

IPC 1-7

**G10L 19/00**; **G10L 11/02**

IPC 8 full level

**G10L 11/02** (2006.01); **G10L 19/00** (2006.01); **G10L 25/69** (2013.01); **G10L 25/78** (2013.01); **G10L 21/0216** (2013.01)

CPC (source: EP US)

**G10L 25/69** (2013.01 - EP US); **G10L 25/78** (2013.01 - EP US); **G10L 2021/02168** (2013.01 - EP US); **G10L 2025/786** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 02084644 A1 20021024**; AT E289442 T1 20050315; DE 10120168 A1 20021024; DE 50202281 D1 20050324; EP 1382034 A1 20040121; EP 1382034 B1 20050216; US 2003191633 A1 20031009; US 7277847 B2 20071002

DOCDB simple family (application)

**DE 0201200 W 20020403**; AT 02727282 T 20020403; DE 10120168 A 20010418; DE 50202281 T 20020403; EP 02727282 A 20020403; US 31148702 A 20021217