

Title (en)

METHOD FOR SEPARATING SIGNAL PATHS AND USE FOR IMPROVING SPEECH USING ELECTRIC LARYNX

Title (de)

METHODE ZUR TRENNUNG VON SIGNALPFADEN UND ANWENDUNG AUF DIE VERBESSERUNG VON SPRACHE MIT ELEKTRO-LARYNX

Title (fr)

PROCÉDÉ DE SÉPARATION DE CHEMINEMENTS DE SIGNAUX ET APPLICATION DE CE PROCÉDÉ POUR AMÉLIORER LA QUALITÉ DE LA VOIX D'UN LARYNX ÉLECTRONIQUE

Publication

**EP 2394271 B1 20170322 (DE)**

Application

**EP 10708882 A 20100201**

Priority

- AT 2010000032 W 20100201
- AT 1932009 A 20090204

Abstract (en)

[origin: WO2010088709A1] In order to improve the speech quality of an electric larynx (EL) speaker, the speech signal of which is digitized by suitable means, the following steps are carried out: a) dividing a single-channel speech signal into a series of frequency channels by transferring it from a time domain into a discrete frequency domain; b) filtering out the modulation frequency of the EL by way of a high-pass or notch filter, in each frequency channel; and c) back-transforming the filtered speech signal from the frequency domain into the time domain and combining it into a single-channel output signal.

IPC 8 full level

**G10L 21/0364** (2013.01); **G10L 21/02** (2013.01); **G10L 25/93** (2013.01); **G10L 25/03** (2013.01); **G10L 25/18** (2013.01)

CPC (source: EP US)

**G10L 21/0364** (2013.01 - EP US); **G10L 25/03** (2013.01 - EP US); **G10L 25/18** (2013.01 - EP US)

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 2010088709 A1 20100812**; AT 507844 A1 20100815; AT 507844 B1 20101115; CA 2749617 A1 20100812; CA 2749617 C 20161101; CN 102341853 A 20120201; CN 102341853 B 20140604; DK 2394271 T3 20170710; EP 2394271 A1 20111214; EP 2394271 B1 20170322; ES 2628521 T3 20170803; JP 2012517031 A 20120726; JP 5249431 B2 20130731; PT 2394271 T 20170426; US 2012004906 A1 20120105

DOCDB simple family (application)

**AT 2010000032 W 20100201**; AT 1932009 A 20090204; CA 2749617 A 20100201; CN 201080010113 A 20100201; DK 10708882 T 20100201; EP 10708882 A 20100201; ES 10708882 T 20100201; JP 2011548504 A 20100201; PT 10708882 T 20100201; US 201013147893 A 20100201