Title (en)

METHOD, DEVICE AND COMPUTER PROGRAM CODE MEANS FOR VOICE CONVERSION

Title (de)

VERFAHREN, VORRICHTUNG UND PROGRAMMCODE ZUR UMWANDLUNG VON STIMMEN

Title (fr)

PROCEDE, DISPOSITIF, ET CODE DE PROGRAMME POUR LA CONVERSION VOCALE

Publication

EP 2215632 B1 20110316 (EN)

Application

EP 08804436 A 20080919

Priority

EP 2008062502 W 20080919

Abstract (en)

[origin: WO2010031437A1] A method of converting a source speakers speech signal into a converted speech signal, which comprises a stage of training using a given database of parallel source and target data. For each pitch period modelling a glottal waveform and a vocal tract filter to obtain a set of parameters comprising an excitation strength, parameters modelling a glottal waveform, and all-pole vocal tract filter coefficients. Defining a glottal vector to be converted; defining a vocal tract vector to be converted, obtaining an estimate of a glottal aspiration noise and estimating a vocal tract transformation function. The stage of modelling comprises: modelling said aspiration noise estimate by- modulating Gaussian noise with the said modelled glottal waveform and adjusting its energy to match that of the said aspiration noise estimate. The method further comprises a stage of conversion and a stage of synthesis.

IPC 8 full level

G10L 21/02 (2006.01); G10L 21/00 (2006.01); G10L 21/013 (2013.01); G10L 21/057 (2013.01)

CPC (source: EP)

G10L 21/0364 (2013.01); G10L 2021/0135 (2013.01); G10L 2021/0575 (2013.01)

Cited by

US9607610B2; US11600284B2; US11100940B2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

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