

Title (en)

METHOD FOR DETECTING THE TIME SEQUENCES OF A FUNDAMENTAL FREQUENCY OF AN AUDIO-RESPONSE UNIT TO BE SYNTHESISED

Title (de)

VERFAHREN ZUM BESTIMMEN DES ZEITLICHEN VERLAUFS EINER GRUNDFREQUENZ EINER ZU SYNTHETISIERENDEN SPRACHAUSGABE

Title (fr)

PROCEDE POUR DEFINIR LA COURBE TEMPORELLE D'UNE FREQUENCE DE BASE D'UNE EMISSION VOCALE A SYNTHETISER

Publication

**EP 1224531 B1 20041215 (DE)**

Application

**EP 00984858 A 20001024**

Priority

- DE 0003753 W 20001024
- DE 19952051 A 19991028

Abstract (en)

[origin: WO0131434A2] The invention relates to a method for detecting the time sequences of a fundamental frequency of an audio-response unit to be synthesised. The invention is characterised in that input macro segments of the fundamental frequency are detected by means of a neuronal network and are reproduced by means of fundamental frequency sequences that are stored in a data base. According to the inventive method, the fundamental frequency is produced based on a greater text section which is analysed by means of the neuronal network. Microstructures are transferred from the data base to the fundamental frequency. The thus produced fundamental frequency is optimised in the macro and microstructure thereof. An extremely natural sound is thus obtained.

IPC 1-7

**G10L 11/04**; **G10L 13/08**; **G06F 3/16**

IPC 8 full level

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CPC (source: EP US)

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