

Title (en)

METHOD FOR OBJECTIVE VOICE QUALITY EVALUATION

Title (de)

VERFAHREN ZUR INSTRUMENTELLEN SPRACHQUALITÄTSBESTIMMUNG

Title (fr)

PROCEDE DE DETERMINATION INSTRUMENTALE DE LA QUALITE VOCALE

Publication

**EP 1048025 B1 20031105 (DE)**

Application

**EP 99942871 A 19990814**

Priority

- DE 19840548 A 19980827
- EP 9905972 W 19990814

Abstract (en)

[origin: US7013266B1] In a method for determining speech quality using an objective measure, in order to enhance prediction reliability of the evaluated quality parameters, distortions of the mean spectral envelope are extensively corrected with a weighting function  $W_{T(f)}$  before comparing spectral properties. Additionally, the fixed band limits for integration of spectral power density are suppressed and other band limits are searched for instead in a predetermined optimization area in which the resulting spectral intensity representations of the voice signal to be evaluated and the reference voice signal have maximum similarity. The solutions described can supplement known methods and can be incorporated into their structures.

IPC 1-7

**G10L 19/00**

IPC 8 full level

**G10L 19/00** (2006.01); **G10L 25/48** (2013.01); **G10L 25/69** (2013.01)

CPC (source: EP US)

**G10L 25/48** (2013.01 - EP US); **G10L 25/69** (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

DOCDB simple family (publication)

**US 7013266 B1 20060314**; AT E253765 T1 20031115; CA 2305652 A1 20000309; DE 19840548 A1 20000302; DE 19840548 C2 20010215; DE 59907623 D1 20031211; EP 1048025 A1 20001102; EP 1048025 B1 20031105; WO 0013173 A1 20000309

DOCDB simple family (application)

**US 53038901 A 20010404**; AT 99942871 T 19990814; CA 2305652 A 19990814; DE 19840548 A 19980827; DE 59907623 T 19990814; EP 9905972 W 19990814; EP 99942871 A 19990814