

Title (en)

Hearing aid and method for operating the same

Title (de)

Hörhilfegerät sowie Verfahren zum Betrieb eines Hörhilfegeräts

Title (fr)

Appareil auditif et son procédé de fonctionnement associé

Publication

**EP 2506602 B1 20160928 (DE)**

Application

**EP 12159057 A 20120312**

Priority

DE 102011006511 A 20110331

Abstract (en)

[origin: EP2506602A2] The device has a signal processing unit i.e. digital signal processor, processing frequency-dependent gains (V, V1-V8) of an electrical input signal. An adjusting part adjusts a normal gain (VN) of the electrical input signal depending on a signal frequency (f). The frequency-dependent gains in preset frequency ranges (K1-K8) are limited to a maximum gain (Vmax). The frequency-dependent gains are adjusted to exceed the normal gain of the electrical input signal or the maximum gain for duration of a detected sound e.g. consonant, and duration below setting time of a feedback whistling. The sound is noise caused by human or animal voice. An independent claim is also included for a method for operating a hearing aid device.

IPC 8 full level

**H04R 25/00** (2006.01); **G10L 25/78** (2013.01)

CPC (source: EP US)

**G10L 25/78** (2013.01 - EP US); **H04R 25/453** (2013.01 - EP US); **H04R 2225/43** (2013.01 - EP US)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2506602 A2 20121003; EP 2506602 A3 20150610; EP 2506602 B1 20160928**; DE 102011006511 A1 20121004;  
DE 102011006511 B4 20160714; DK 2506602 T3 20170116; US 2012250919 A1 20121004; US 8811641 B2 20140819

DOCDB simple family (application)

**EP 12159057 A 20120312**; DE 102011006511 A 20110331; DK 12159057 T 20120312; US 201213437042 A 20120402