

Title (en)

ADAPTIVE SEPARATION FREQUENCY IN HEARING AIDS

Title (de)

ADAPTIVE TEILUNGSFREQUENZ IN HÖRHILFEGERÄTEN

Title (fr)

FREQUENCE DE DIVISION ADAPTATIVE DANS APPAREILS D'AIDE AUDITIVE

Publication

**EP 2988529 B1 20191204 (DE)**

Application

**EP 15179351 A 20150731**

Priority

DE 102014216536 A 20140820

Abstract (en)

[origin: US2016057548A1] A method for suppressing acoustic feedback in a hearing aid device and a corresponding device and a system. A frequency range to be transmitted by the hearing aid device is divided into two frequency ranges that are separated by a split-band frequency. A transfer function of a feedback path is estimated in a frequency range and assessed for its behavior at the split-band frequency. Depending on the result of the assessment, the split-band frequency is lowered or raised and in the upper frequency range a phase and/or frequency change is applied for suppressing feedback.

IPC 8 full level

**H04R 25/00** (2006.01)

CPC (source: EP US)

**H04R 25/45** (2013.01 - US); **H04R 25/453** (2013.01 - EP US); **H04R 25/554** (2013.01 - US); **H04R 25/353** (2013.01 - EP US); **H04R 2430/03** (2013.01 - EP US)

Cited by

DE102017203630B3; US10277991B2; EP3373599A1; EP3355592A1; DE102017201195A1; CN108347684A; US10674283B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2988529 A1 20160224**; **EP 2988529 B1 20191204**; CN 105392097 A 20160309; CN 105392097 B 20190611; DK 2988529 T3 20200224; US 2016057548 A1 20160225; US 9980056 B2 20180522

DOCDB simple family (application)

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