

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)

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 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)

EP 15179351 A 20150731; CN 201510659355 A 20150820; DK 15179351 T 20150731; US 201514830948 A 20150820