

Title (en)  
Hearing aid with feedback suppression

Title (de)  
Hörgerät mit Rückkopplungsunterdrückung

Title (fr)  
Prothèse auditive avec suppression de rétroaction

Publication  
**EP 2890154 A1 20150701 (EN)**

Application  
**EP 13199680 A 20131227**

Priority  
EP 13199680 A 20131227

Abstract (en)  
A new method for performing adaptive feedback suppression in a hearing aid and a hearing aid utilizing the method are provided. According to the method, a slow adaptive filter and a fast adaptive filter with different error signals for filter coefficient updating are used for feedback suppression.

IPC 8 full level  
**H04R 25/00** (2006.01)

CPC (source: EP)  
**H04R 25/453** (2013.01); **H04R 25/405** (2013.01); **H04R 25/407** (2013.01)

Citation (search report)  
• [XY] EP 0342782 A2 19891123 - CENTRAL INST DEAF [US]  
• [Y] DE 102009060094 A1 20110630 - SIEMENS MEDICAL INSTR PTE LTD [SG]

Cited by  
CN109429162A; CN112397080A; EP3393140A1; US2020051581A1; KR20200015490A; CN110915233A; JP2020519070A; RU2735131C1; CN116055972A; WO2018193028A1; EP3613220B1; EP3437331B1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2890154 A1 20150701; EP 2890154 B1 20171213**; DK 2890154 T3 20180205

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**EP 13199680 A 20131227**; DK 13199680 T 20131227