

Title (en)

A HEARING AID SYSTEM AND A METHOD OF PROGRAMMING A HEARING AID DEVICE

Title (de)

HÖRGERÄTESYSTEM UND VERFAHREN ZUR PROGRAMMIERUNG EINES HÖRGERÄTS

Title (fr)

SYSTÈME D'AIDE AUDITIVE ET PROCÉDÉ DE PROGRAMMATION D'UN DISPOSITIF D'AIDE AUDITIVE

Publication

EP 3174315 A1 20170531 (EN)

Application

EP 16197025 A 20161103

Priority

- US 201514931792 A 20151103
- EP 15193081 A 20151104

Abstract (en)

A method of programming a configurable signal processing unit of a hearing aid device comprises #c Providing a frequency transposition algorithm in the hearing aid device where content from more than one upper-lying source frequency band is copied or moved into one and the same lower lying destination frequency band; #c Providing a number of frequency transposition configurations, each comprising a specific combination of source regions and a destination region; #c Providing a weight parameter that specifies the amount of gain applied to a lowered signal resulting from a given frequency transposition configuration; and #c Providing a prescription algorithm that selects an optimum frequency transposition configuration for an ear of a user taking an audiogram for the ear in question and an amplification capability of the hearing aid device in question into account. A purpose of the disclosure is to provide an improved audibility of high frequency sound for users with severe-to-profound hearing losses.

IPC 8 full level

H04R 25/00 (2006.01); **H04R 1/10** (2006.01); **H04R 27/00** (2006.01)

CPC (source: EP)

H04R 25/353 (2013.01); **H04R 1/1091** (2013.01); **H04R 25/552** (2013.01); **H04R 25/554** (2013.01); **H04R 25/70** (2013.01); **H04R 27/00** (2013.01); **H04R 2225/41** (2013.01); **H04R 2225/43** (2013.01); **H04R 2227/009** (2013.01)

Citation (applicant)

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Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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