

Title (en)  
Hearing device and method for the adjustment of an amplifying characteristic

Title (de)  
Hörvorrichtung und Verfahren zur Einstellung einer Verstärkungskennlinie

Title (fr)  
Prothèse auditive et procédé pour l'ajustement d'une caractéristique d'un amplificateur

Publication  
**EP 1748677 A3 20091021 (DE)**

Application  
**EP 06116984 A 20060711**

Priority  
DE 102005034647 A 20050725

Abstract (en)  
[origin: EP1748677A2] The method involves setting linear ranges (L3, L4, L5) for a hearing device. A transition point such as knee points (K2, K3), is set between the linear ranges so as to separate the linear ranges. An input signal level range of the hearing device is acquired. The transition point is displaced as a function of an input level range (EB) such that the transition point is displaced below the input signal level range. The amplification characteristic is adjusted automatically to the input signal level range. An independent claim is also included for a hearing device comprising an amplification unit.

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

CPC (source: EP US)  
**H04R 25/356** (2013.01 - EP US); **H04R 25/70** (2013.01 - EP US)

Citation (search report)

- [X] US 5027410 A 19910625 - WILLIAMSON MALCOLM J [US], et al
- [X] WO 9951059 A1 19991007 - AUDIOLOGIC HEARING SYS LP [US]
- [A] WO 02085063 A2 20021024 - WIDEX AS [DK], et al
- [A] JP H1169496 A 19990309 - SONY CORP

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EP2617127B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1748677 A2 20070131; EP 1748677 A3 20091021; EP 1748677 B1 20111123**; DE 102005034647 B3 20070222; DK 1748677 T3 20120305; US 2007019833 A1 20070125

DOCDB simple family (application)  
**EP 06116984 A 20060711**; DE 102005034647 A 20050725; DK 06116984 T 20060711; US 49243306 A 20060725