

Title (en)

Method and system for providing hearing assistance to a user

Title (de)

Verfahren und System zur Hörhilfebereitstellung für einen Benutzer

Title (fr)

Procédé et système pour fournir assistance auditive à un utilisateur

Publication

EP 1773099 A1 20070411 (EN)

Application

EP 06011143 A 20060530

Priority

EP 06011143 A 20060530

Abstract (en)

The invention relates to a method for providing hearing assistance to a user, comprising: capturing audio signals by a microphone arrangement (18) and transmitting the audio signals by a transmission unit (10) via a modulated wireless audio link (30) to a receiver unit (12) and receiving the audio signals at the receiver unit (12); analyzing the amplitude of the received audio signals by an analyzer unit (34) of the receiver unit (12); dynamically adjusting by a gain control unit (36) located in the receiver unit (12) the gain applied to the received audio signals according to the result of the analysis by the analyzer unit (34), wherein the gain is equal to or larger than a first value (G_H) if the amplitude of the received audio signals is equal to or larger than a first threshold (U_{1H}) and is reduced to a finite value less than said first value if the amplitude of the received audio signals is less than said first threshold (U_{1H}); and stimulating the user's hearing by stimulating means (14, 16) worn at or in the user's ear according to the audio signals amplified according to the gain set by the gain control unit (36).

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP)

H04R 25/356 (2013.01); **H04R 25/554** (2013.01); **H04R 25/558** (2013.01); **H04R 25/407** (2013.01); **H04R 25/502** (2013.01); **H04R 2225/41** (2013.01); **H04R 2225/43** (2013.01)

Citation (search report)

- [DY] WO 2004100607 A1 20041118 - WIDEX AS [DK], et al
- [DY] EP 0483701 A2 19920506 - ASCOM AUDIOSYS AG [CH]
- [A] WO 0176063 A2 20011011 - PHONAK AG [CH], et al
- [A] DE 19624092 A1 19971113 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- [A] WO 9934642 A1 19990708 - TOEPHOLM & WESTERMANN [DK], et al
- [A] US 5144675 A 19920901 - KILLION MEAD C [US], et al

Cited by

EP3016408A1; US9554217B2; US9124988B2; WO2013029679A1

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 YU

DOCDB simple family (publication)

EP 1773099 A1 20070411

DOCDB simple family (application)

EP 06011143 A 20060530