

Title (en)
HEARING AID

Title (de)
HÖRGERÄT

Title (fr)
APPAREIL AUDITIF

Publication
EP 2259605 A4 20110406 (EN)

Application
EP 10750017 A 20100205

Priority
• JP 2010000720 W 20100205
• JP 2009054547 A 20090309
• JP 2009177368 A 20090730

Abstract (en)
[origin: EP2259605A1] This hearing aid comprises a microphone (1) for collecting sounds, an A/D converter (2) for converting an analog signal outputted from the microphone (1) into a digital signal, a hearing aid processor (3) for performing hearing aid processing on the digital signal outputted from the A/D converter (2), a D/A converter (4) for converting the signal that has undergone the hearing aid processing into an analog signal, and a receiver (5) for outputting the analog signal outputted from the D/A converter (4) as an acoustic signal to the surroundings. A mixer (6), in which a first input is connected to the output of the hearing aid processor (3) and its own output is connected to the input of the D/A converter (4), is interposed between the hearing aid processor (3) and the D/A converter (4). The output signal of an alert sound shaper (8) that shapes the alert sound signal produced by an alert sound producer (7) is connected to a second input of the mixer (6). The mixer (6) is connected to a controller (9) that produces a mix ratio signal for mixing the output signals of the hearing aid processor (3) and the alert sound shaper (8).

IPC 8 full level
H04R 25/00 (2006.01)

CPC (source: EP US)
H04R 25/305 (2013.01 - EP US); **H04R 25/603** (2019.04 - EP US); **H04R 2225/33** (2013.01 - EP); **H04R 2225/61** (2013.01 - EP US)

Citation (search report)
• [A] US 2004155770 A1 20040812 - NELSON CARL V [US], et al
• [A] US 6310556 B1 20011030 - GREEN ROBERT SHERMAN [US], et al
• [A] US 2002076072 A1 20020620 - CORNELISSE LEONARD E [CA]
• [A] EP 1653773 A2 20060503 - PHONAK AG [CH]

Cited by
DE102019210934A1; EP4258689A1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2259605 A1 20101208; EP 2259605 A4 20110406; EP 2259605 A8 20110803; EP 2259605 B1 20120509; AT E557550 T1 20120515;
CN 101904183 A 20101201; CN 101904183 B 20130501; JP 2010239603 A 20101021; JP 4440333 B1 20100324; WO 2010103724 A1 20100916

DOCDB simple family (application)
EP 10750017 A 20100205; AT 10750017 T 20100205; CN 201080000781 A 20100205; JP 2009177368 A 20090730;
JP 2010000720 W 20100205