Title (en)

Hearing-aid device with automatic algorithm switching

Title (de)

Hörvorrichtung mit automatischer Algorithmenumschaltung

Title (fr)

Prothèse auditive avec commutation automatique à algorithme

Publication

EP 2200346 B1 20180801 (DE)

Application

EP 09178221 A 20091207

Priority

DE 102008064430 A 20081222

Abstract (en)

[origin: EP2200346A2] The device has a determination device (16) for determining whether one of two microphones (10, 11) is defect. A signal processing device (12) processes signals of the microphones with single-channel and multi-channel processing algorithms (13, 14). The signal processing device is automatically switched from one of the processing algorithms to the other processing algorithm when the defected microphone is detected. A storage device records information about the defected microphone along with time information. A LED indicates an emergency operating condition of the device.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/305 (2013.01 - EP US); H04R 25/43 (2013.01 - EP US); H04R 2225/39 (2013.01 - EP US); H04R 2225/61 (2013.01 - EP US)

Citation (opposition)

 Opponent : OTICON A/S & GN Hearing A/S
 • EP 1467595 B1 20080528 - SOUND DESIGN TECHNOLOGIES LTD [CA]
 • US 5822718 A 19981013 - BAKIS RAIMO [US], et al
 • US 6327370 B1 20011204 - KILLION MEAD [US], et al
 • US 6879692 B2 20050412 - NIELSEN KIM HJORTGAARD [DK], et al
 • WO 2006042540 A1 20060427 - WIDEX AS [DK], et al
 • WO 2007098768 A1 20070907 - GN RESOUND AS [DK], et al
 • WO 0065873 A1 20001102 - GENNUM CORP [CA], et al
 • WO 2007096247 A1 20070830 - OTICON AS [DK], et al
 • WO 0000001 A2 20000106 - PHONAK AG [CH], et al
 • EP 1191817 A1 20020327 - GN RESOUND AS [DK]

Cited by

EP2373065B1; EP2373065B2

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 2200346 A2 20100623; **EP 2200346 A3 20130619**; **EP 2200346 B1 20180801**; CN 101765048 A 20100630; CN 101765048 B 20151216; DE 102008064430 A1 20100708; DE 102008064430 B4 20120621; DK 2200346 T3 20181126; US 2010189292 A1 20100729; US 8442245 B2 20130514

DOCDB simple family (application)

EP 09178221 A 20091207; CN 200910262210 A 20091222; DE 102008064430 A 20081222; DK 09178221 T 20091207; US 64442209 A 20091222