

Title (en)

Hearing aid with a plurality of microphones and corresponding signal generating method

Title (de)

Hörgerät mit mehreren Mikrofonen und entsprechendes Signalerzeugungsverfahren

Title (fr)

Prothèse auditive avec plusieurs microphones et procédé de génération de signaux correspondant

Publication

EP 1571880 A3 20090729 (DE)

Application

EP 05101230 A 20050218

Priority

DE 102004010863 A 20040305

Abstract (en)

[origin: EP1571880A2] The hearing aid system uses a silicon microphone [SM] for low frequencies and an Electret microphone [EM] for the high frequency range. The outputs are fed respectively into low pass [TP] and high pass [HP] filters and the outputs summed [A] before being fed to a signal processor.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/405 (2013.01 - EP US); **H04R 25/407** (2013.01 - EP US); **H04R 2410/01** (2013.01 - EP US)

Citation (search report)

- [DPA] DE 10316287 B3 20040715 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- [DA] THOMAS A. POWERS AND VOLKMAR HAMACHER: "Three-microphone instrument is designed to extend benefits of directionality", THE HEARING JOURNAL, vol. 55, October 2002 (2002-10-01), pages 38 - 45, XP002532166

Cited by

WO2009143434A3; US8223981B2; US9008323B2

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1571880 A2 20050907; EP 1571880 A3 20090729; EP 1571880 B1 20100721; DE 102004010863 B3 20051020;
DE 502005009928 D1 20100902; DK 1571880 T3 20101101; US 2005196001 A1 20050908; US 7756282 B2 20100713

DOCDB simple family (application)

EP 05101230 A 20050218; DE 102004010863 A 20040305; DE 502005009928 T 20050218; DK 05101230 T 20050218; US 7304405 A 20050303