

Title (en)

Method for manufacturing acoustical devices and for reducing wind disturbances

Title (de)

Verfahren zur Herstellung von akustischen Geräten und zur Verringerung von Windstörungen

Title (fr)

Procédé pour la fabrication des dispositifs acoustiques et pour la réduction des perturbations dues au vent

Publication

EP 2249586 A2 20101110 (EN)

Application

EP 10173173 A 20030303

Priority

EP 03004661 A 20030303

Abstract (en)

For reducing wind noise effects at a hearing device the output of an acoustical to electrical arrangement (3) of the hearing device is operationally connected to a high-pass filter arrangement (5) having a control input (C 5) for the high-pass corner frequency (f C). The output of the high-pass filter unit (5) is operationally connected on one hand to a processor unit (PR) which fulfills transfer characteristic tailoring according to the needs of an individual. The output of the processor unit (PR) is operationally connected to an output electrical to mechanical converter arrangement (7). On the other hand the output of the filter unit (5) is operationally connected to a statistic-forming unit (9) which thus acts as a low-pass type unit. The output of the statistic-forming unit (9) is operationally connected to the control input of the filter unit (5).

IPC 8 full level

H04R 25/00 (2006.01); **G10L 21/02** (2006.01); **G10L 21/0208** (2013.01); **G10L 21/00** (2006.01); **G10L 21/0232** (2013.01); **G10L 21/06** (2013.01); **G10L 25/90** (2013.01)

CPC (source: EP)

G10L 21/0208 (2013.01); **H04R 1/44** (2013.01); **H04R 25/505** (2013.01); **G10L 21/0232** (2013.01); **G10L 25/90** (2013.01); **G10L 2021/065** (2013.01); **H04R 25/407** (2013.01); **H04R 2225/43** (2013.01); **H04R 2410/07** (2013.01); **H04R 2460/01** (2013.01)

Citation (applicant)

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- DE 10045197 C1 20020307 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- WO 0147335 A2 20010705 - PHONAK AG [CH], et al
- H. DILLON ET AL.: "The sources of wind noise in hearing aids", IHCON, 2000
- I. ROE ET AL.: "Wind noise in hearing aids: Causes and effects", JASA
- FRANZISKA B. PFISTERER: "Wind Noise Cancelling for Hearing Instruments, Diploma Thesis dip/7406", SIGNAL AND INFORMATION PROCESSING LABORATORY, SWISS FEDERAL INSTITUTE OF TECHNOLOGY ZURICH, 2002

Cited by

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Designated contracting state (EPC)

CH DE DK LI

DOCDB simple family (publication)

EP 1339256 A2 20030827; **EP 1339256 A3 20050622**; **EP 1339256 B1 20171227**; DK 1339256 T3 20180129; EP 2249586 A2 20101110; EP 2249586 A3 20120620; EP 2254349 A2 20101124; EP 2254349 A3 20140813; EP 2254350 A2 20101124; EP 2254350 A3 20140723; EP 2254351 A2 20101124; EP 2254351 A3 20140813; EP 2254352 A2 20101124; EP 2254352 A3 20120613

DOCDB simple family (application)

EP 03004661 A 20030303; DK 03004661 T 20030303; EP 10173173 A 20030303; EP 10173178 A 20030303; EP 10173182 A 20030303; EP 10173186 A 20030303; EP 10173189 A 20030303