

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 1339256 A3 20050622 (EN)

Application

EP 03004661 A 20030303

Priority

EP 03004661 A 20030303

Abstract (en)

[origin: EP1339256A2] 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 (C5) for the high-pass corner frequency (fc). 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).

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H04R 25/00

IPC 8 full level

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Citation (search report)

- [Y] WO 8700366 A1 19870115 - MOTOROLA INC [US]
- [Y] WO 9710586 A1 19970320 - ERICSSON GE MOBILE INC [US]
- [AY] EP 0588526 A1 19940323 - NOKIA MOBILE PHONES LTD [FI]
- [A] DE 3733983 A1 19890420 - BOSCH GMBH ROBERT [DE]
- [XA] EP 0843427 A1 19980520 - TRANSISTOR AB [SE]
- [DY] US 2002150264 A1 20021017 - ALLEGRO SILVIA [CH], et al
- [A] US 4783807 A 19881108 - MARLEY JOHN [US]
- [A] US 2002057808 A1 20020516 - GOLDSTEIN JULIUS L [US]
- [A] US 5483617 A 19960109 - PATTERSON ROY D [GB], et al
- [A] US 5838274 A 19981117 - JOHNSON KEITH O [US], et al
- [XA] WO 03015460 A2 20030220 - RASMUSSEN DIGITAL APS [DK]
- [E] EP 1351544 A2 20031008 - GENNUM CORP [CA]
- [X] US 5511128 A 19960423 - LINDEMANN ERIC [US]
- [A] US 2002037088 A1 20020328 - DICKEL THOMAS [DE], et al
- [A] US 5666433 A 19970909 - WEHNER RAYMOND [CA]
- [A] US 5793875 A 19980811 - LEHR MICHAEL A [US], et al
- [A] WO 0131972 A1 20010503 - ANDREA ELECTRONICS CORP [US]

Cited by

CN103426433A; EP2460157A4; EP2765787A1; US8457320B2; US8433564B2; US9325285B2; US11303994B2; WO2014048492A1; US9456286B2; US7876918B2; US9280984B2; US9711164B2; US10586523B1; EP3716652A1

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