

Title (en)

Method and device for processing an acoustic signal

Title (de)

Verfahren und Vorrichtung zur Verarbeitung eines akustischen Signals

Title (fr)

Procédé et dispositif pour le traitement d'un signal acoustique

Publication

**EP 1519626 A2 20050330 (EN)**

Application

**EP 04405754 A 20041207**

Priority

EP 04405754 A 20041207

Abstract (en)

For reducing wind noise effects in a hearing instrument, a converted acoustic signal is processed in a number of frequency bands, a low frequency band of which is chosen to be a master band. A wind noise attenuation value is determined in each frequency band, based on a signal level in the frequency band concerned and on a signal level in the master band. A further wind noise reducing effect may be achieved in hearing instruments with at least two microphones where in the presence of wind noise the instrument may be switched from a directional mode to a omnidirectional mode in which an average of the output signals of the two microphones is used as signal. In single microphone hearing instruments, the microphone signal and a delayed version of this signal are used to improve wind noise detection and reduction.

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**H04R 25/00**

IPC 8 full level

**H04R 25/00** (2006.01)

CPC (source: EP)

**H04R 25/502** (2013.01); **H04R 25/505** (2013.01); **H04R 2410/07** (2013.01)

Cited by

US8065115B2; EP1750483A1; DE102015204253A1; DE102015204253B4; GB2609303A; GB2609303B; EP2919485A1; US10225667B2; US9584907B2; WO2008041730A1; US7813517B2; US10586523B1; EP3716652A1; WO2014048492A1; US9456286B2; US8019103B2; WO2013164029A1; EP1744591A2

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