

Title (en)

Method of processing an acoustical signal and a hearing instrument

Title (de)

Verfahren zur Verarbeitung eines akustischen Signals und ein Hörgerät

Title (fr)

Procédé de traitement d'un signal acoustique et un appareil auditif

Publication

**EP 1469703 A2 20041020 (EN)**

Application

**EP 04405272 A 20040430**

Priority

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Abstract (en)

A method of processing an acoustic input signal into an output signal in a hearing instrument includes converting the acoustic input signal into a converted input signal, and applying a gain to the converted input signal to obtain the output signal. According to the invention, the gain is calculated using a room impulse attenuation value being a measure of a maximum negative slope of the a converted input signal power on a logarithmic scale. The calculation of the gain may include evaluating a signal power development value being a measure of the actual converted input signal power attenuation or signal power increase, evaluating a signal-to-reverberation-noise ratio from the signal power development value and the room impulse attenuation value, and calculating, based on a gain rule, said gain from said signal-to-reverberation-noise ratio. <IMAGE>

IPC 1-7

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CPC (source: EP)

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Cited by

EP2573768A3; EP1772713A4; EP1753264A1; GB2551499A; GB2551499B; CN113132882A; JP2019033477A; US9093077B2; WO2012010218A1; US9167359B2; EP3337190A1; US10499167B2

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