

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 A3 20050622 (EN)**

Application

**EP 04405272 A 20040430**

Priority

EP 04405272 A 20040430

Abstract (en)

[origin: EP1469703A2] 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

**H04R 25/00**; **G10L 21/02**

IPC 8 full level

**G10L 21/02** (2006.01); **H04R 25/00** (2006.01)

CPC (source: EP)

**H04R 25/505** (2013.01); **H04R 2225/43** (2013.01)

Citation (search report)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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DOCDB simple family (application)

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