

Title (en)

Hearing system and method for deriving information on an acoustic scene

Title (de)

Hörsystem und Verfahren zur Ermittlung von Informationen über eine akustische Szene

Title (fr)

Système auditif et méthode de déterminer information sur une scène sonore

Publication

**EP 1858291 B1 20111005 (EN)**

Application

**EP 06015269 A 20060721**

Priority

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- EP 06015269 A 20060721

Abstract (en)

[origin: EP1858291A1] The invention relates to a method for operating a hearing system (1) comprising an input unit (10), an output unit (80) and a transmission unit (20) operationally interconnecting said input (10) output (80) units. Said transmission unit (20) implements a transfer function (G) describing, how audio signals (S1; R1) generated by said input unit (10) are processed in order to derive audio signals (7) fed to said output unit (80), and can be adjusted by one or more transfer function parameters. Said method comprises obtaining, by means of said input unit (10) and with a first directional characteristic (P1), first audio signals (S1) from incoming acoustic sound (6); deriving from said first audio signals (S1) a first set (C1) of sound-characterizing data; and deriving, in dependence of - first directional information (D1), which is data comprising information on said first directional characteristic (P1), and of - said first set (C1) of sound-characterizing data, a value (T) for each of said one or more transfer function parameters. This allows to gain insight into the acoustic environment and allows for better automatic adjustments of said transfer function (G).

IPC 8 full level

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Cited by

RU2759715C2; EP2611220A3; EP2405673A1; EP4231667A1; US8331594B2; WO2013170885A1; US10462584B2; EP3386215A1; CN108696813A; WO2011083425A3; WO2008107359A1; US9002045B2; US9749754B2

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