

Title (en)

Acoustic device and method for treating an audio signal

Title (de)

Akustische Vorrichtung und akustisches Verfahren zum Behandeln eines Hörsignals

Title (fr)

Dispositif et procédé acoustique pour traiter un signal audio

Publication

EP 1696695 A1 20060830 (EN)

Application

EP 05004148 A 20050225

Priority

EP 05004148 A 20050225

Abstract (en)

The acoustic shock protection for acoustic devices shall be improved. In order to solve this problem there is provided a method for treating an audio signal by detecting the amplitude of the audio signal to be treated and increasing a gain applied onto the audio signal from a start level (SL) in the form of ramp over the time at most until the amplitude reaches a second amplitude value. This measure controls the sound pressure level at the loudspeaker dependent on the properties of audio signal and the energy of the audio signal is limited to a pregiven value.

IPC 8 full level

H04R 3/02 (2006.01); **H03G 3/24** (2006.01)

CPC (source: EP)

H04R 3/02 (2013.01); **H04R 29/001** (2013.01); **H04R 2499/11** (2013.01)

Citation (search report)

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- [YA] US 5363147 A 19941108 - JOSEPH GEORGE L [US], et al
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Cited by

EP2899993A1; US9332103B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1696695 A1 20060830

DOCDB simple family (application)

EP 05004148 A 20050225