

Title (en)

ACOUSTIC DEVICE GENERATING IMPROVED SOUND

Title (de)

AKUSTISCHE VORRICHTUNG MIT VERBESSERTER GERÄUSCHERZEUGUNG

Title (fr)

DISPOSITIF ACOUSTIQUE GÉNÉRANT UN SON AMÉLIORÉ

Publication

**EP 3878189 A1 20210915 (FR)**

Application

**EP 19842389 A 20191212**

Priority

- FR 1872903 A 20181214
- FR 2019053031 W 20191212

Abstract (en)

[origin: WO2020120909A1] The invention relates to an acoustic device including a structure comprising a surface (1) capable of being vibrated at least at one control point so as to emit a sound, and actuators (A1, A2, A3, A4, A5) capable of causing a surface deformation at the control points (Z1, Z2, Z3, Z4, Z5) so as to vibrate same, means (6) for controlling the actuators (A1, A2, A3, A4, A5) configured to send control signals to the actuators (A1, A2, A3, A4, A5), comprising means (8) for calculating said control signals, said calculating means implementing an inverse filtering operation, so as to emit, from a sound to be generated, control signals to the actuators (A1, A2, A3, A4, A5), so as to vibrate at least some of the control points (Z1, Z2, Z3, Z5) and to emit the given sound, and at least partially compensating for the distortion, reverberation and propagation of the waves.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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