

Title (en)

Improvements to methods and devices used to protect from external noises a given volume, preferably located inside a room

Title (de)

Verbesserung des Verfahrens und der Vorrichtung zum Schutz eines vorzugsweise innerhalb eines Raumes angeordneten gegebenen Volumens von aussen kommenden Geräuschen

Title (fr)

Perfectionnements aux procédés et dispositifs pour protéger des bruits extérieurs un volume donné, de préférence disposé à l'intérieur d'un local

Publication

EP 0601934 B1 19980902 (FR)

Application

EP 93402974 A 19931209

Priority

FR 9214952 A 19921211

Abstract (en)

[origin: EP0601934A1] In order to protect a volume (2) located inside a room (3) from external noises E, recourse is had to a bank of acoustic sensors (11j) receiving the noise E and located a distance A from the volume and to a bank of acoustic sources (15k) located a distance B less than A from the volume and signals S are applied to these sources, these signals being summations of the double convolution products of the function $E_j(t)$ with two functions $f_{ij}(t)$ and $g_{ik}(-t)$ which are directly derivable from the pulse responses collected, on the one hand, on the sensors (11j) from pulses emitted by sources (10i) carried by a fictitious barrier (6) delimiting the volume and, on the other hand, on sensors (12i) placed at the same locations as these latter sources (10i), from pulses emitted by the above sources (15k). <IMAGE>

IPC 1-7

G10K 11/16; **G10K 11/34**

IPC 8 full level

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CPC (source: EP KR US)

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US5699437A; FR2771541A1; FR2732807A1; US5987144A; WO9927520A1; WO9631872A1; WO9708683A1; WO9703438A1

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