

Title (en)

DAMPING DEVICE AND METHOD FOR DAMPING SOUND IN CAVITIES OF VEHICLES

Title (de)

DÄMPFUNGVORRICHTUNG UND VERFAHREN ZUR SCHALLDÄMPFUNG IN HOHLRÄUMEN VON FAHRZEUGEN

Title (fr)

DISPOSITIF D'ATTENUATION ET PROCEDE POUR ATTENUER LES SONS DANS DES LES HABITACLES DE VEHICULES

Publication

EP 1742784 A1 20070117 (DE)

Application

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Priority

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Abstract (en)

[origin: EP1591224A1] A sound damping unit (16) especially for use in vehicles, comprises a carrier material (4) and a shuttering material (2). The damping material forms an open cell structure, and has an absorption coefficient for sound in excess of 0.5. The shuttering and/or damping material are expandable, especially under heating, and direct contact between the damping material and the wall is avoided. The shuttering material is used to form a closed cell structure, and its water uptake is less than 10%, especially 5%. The process used for sound damping comprises fixing the material to a structural element, and then thermally expanding it.

IPC 8 full level

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CPC (source: EP US)

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