

Title (en)

Element for acoustical insulation and noise insulation wall made of the same

Title (de)

Akustisch isolierendes Bauelement und aus solchen Elementen erstellte schalldämmende Wand

Title (fr)

Élément d'isolation acoustique, et paroi anti-bruit réalisée à partir de tels éléments

Publication

**EP 0728877 A1 19960828 (FR)**

Application

**EP 95400389 A 19950223**

Priority

EP 95400389 A 19950223

Abstract (en)

The insulation element, designed to be used in conjunction with others to make a partition, consists of a box (2) with side walls (6), a base (5) and a top which is at least partially open, containing a structure in at least three layers (18-21). The layers are made from recycled materials, such as ground rubber, with a binding agent, on the outside, and a middle layer (19) of lower density, made from ground plastic particles in a free state, creating a layer which is at least 50 percent empty. In a variant the intermediate layer can be of air alone. The outer layer (20) lying adjacent to the top face of the element contains prefabricated recycled rubber inserts (22) of greater density than the remainder of the layer. In addition, the element can incorporate a further layer, next to the base, which is of greater density than the adjacent inner layer.

Abstract (fr)

Cet élément d'isolation acoustique (1) comprend un bac (2) parallélépipédique possédant des parois latérales (7, 9), un fond (5) et une face avant fermée par une plaque perforée (16). Dans ce bac est logée une structure à au moins trois couches (18, 19, 20, 21) distinctes parallèles au fond (5) et dont au moins deux couches (18, 20) sont réalisées à base de particules de matériaux recyclés, avec entre elles une couche médiane (19) ayant une densité inférieure à celles des deux couches adjacentes (18, 20). Application aux parois "anti-bruit". <IMAGE>

IPC 1-7

**E04B 1/86**; **G10K 11/16**

IPC 8 full level

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Citation (search report)

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