

Title (en)
Acoustical building structure

Title (de)
Akustische Gebäudestruktur

Title (fr)
Structure acoustique de bâtiment

Publication
EP 0921242 A2 19990609 (FR)

Application
EP 98402947 A 19981126

Priority
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• FR 9802678 A 19980305

Abstract (en)
The structure, designed to adhere to the principle of mass-spring-mass, has each of the masses in the form of a rigid U-section panel (1,2) covered on the inside by a layer of mineral wool (3) and fixed mechanically to components (6,7) of the building, e.g. on either side of framework components. The acoustic attenuation index of the structure is over 50 dB(A), and preferably over 60 dB(A). At least one of the panels is of solid and another of perforated metal sheet, and the panel ends are designed to be fitted together to form flush surfaces (10,11). In addition, they are fastened to the building components by plain or acoustic spacers (12).

Abstract (fr)
L'invention concerne une structure acoustique de bâtiment répondant au principe d'isolation masse-ressort-masse, les deux masses du système masse-ressort-masse comprenant chacune au moins un élément rigide (1,2) et étant séparées par au moins un panneau de laine minérale (3,4) associé à au moins une lame d'air (5). La structure acoustique est telle que les éléments rigides (1,2) sont des plateaux à section en U et sont garnis à l'intérieur du U d'au moins une laine minérale (3,4). <IMAGE>

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E04B 1/82

IPC 8 full level
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CPC (source: EP US)
E04B 1/82 (2013.01 - EP US); **E04B 2/7453** (2013.01 - EP US); **E04B 2/7409** (2013.01 - EP US)

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