

Title (en)
Sound insulating sandwich element

Title (de)
Sandwich-Schallsolierungselement

Title (fr)
Élément d'isolation anti-bruit de type sandwich

Publication
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Application
EP 99111191 A 19990609

Priority
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Abstract (en)
A multilayered, sound insulating, mechanically strong sandwich element comprising two facing layers (1) substantially attached to a plastic foam core consisting of at least two layers (2) which are joined through contact points (also called bridges) (3) creating a gap or gaps (4) between the core layers (2) and, in case of long spans and/or thin facing layers, travel stops inside the gap/gaps (4) to keep the core layers (2) at a certain distance from each other, wherein the core layer material is a semi-rigid, cellular material containing more than 50 % open cells, and has a tensile strength of more than 50 kPa, and has a compressive strength from 5 to 200 kPa, at 10 % deformation. The distance between the contact points or bridges (3) is at least 350 mm. The new sandwich element can be used as a sound insulating door, a partition element or a construction unit. <IMAGE> <IMAGE>

IPC 1-7
E04B 1/86

IPC 8 full level
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CPC (source: EP KR)
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Citation (applicant)
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