

Title (en)

Acoustic absorbing panel provided with a decorative design pattern and a method and apparatus for manufacturing the panel

Title (de)

Schallabsorbierende Platte mit dekorativem Designmuster sowie Verfahren und Vorrichtung zur Herstellung der Platte

Title (fr)

Panneau à absorption acoustique fourni avec une forme de conception décorative et procédé et appareil pour la fabrication du panneau

Publication

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Application

EP 07388079 A 20071105

Priority

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Abstract (en)

An acoustical absorbing panel (1) with a decorative design pattern, said panel comprising a board (2) comprising mineral fibres, said board (2) having two major surfaces and four minor side surfaces. Said panel further comprising a fleece layer (3) attached to at least one major surface of the mineral fibre board (2), and a layer of paint (4) applied to said fleece layer (3) on at least a major surface. Wherein said fleece layer (3) comprises lasting changes (10) made by a laser beam, said lasting changes are in the form of a decorative design pattern, and said pattern is visible through said layer of paint (4). The invention also concerns a method and an apparatus for manufacturing the acoustical absorbing panel.

IPC 8 full level

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Citation (search report)

- [X] US 6675551 B1 20040113 - FUCHS HELMUT [DE]
- [X] EP 1840287 A2 20071003 - YAMAHA CORP [JP]
- [A] US 5533306 A 19960709 - ASPENSON DANIEL L [US]
- [A] WO 2006091831 A2 20060831 - BPB AMERICA INC [US], et al
- [A] WO 2005095727 A1 20051013 - ROCKWOOL INT [DK], et al

Cited by

NL2023509B1; CN112673140A; WO2021010823A1; WO2012034548A1; WO2020064496A1

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