

Title (en)

FOAM COMPONENT FOR SOUNDPROOFING HOLLOW SPACES

Title (de)

SCHAUMSTOFFELEMENT ZUR SCHALLDÄMMUNG VON HOHLRÄUMEN

Title (fr)

ELEMENT EN MATERIAU ALVEOLAIRE POUR INSONORISER DES CAVITES

Publication

EP 0906612 A1 19990407 (DE)

Application

EP 97927125 A 19970604

Priority

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- EP 9702886 W 19970604

Abstract (en)

[origin: US5993932A] A foam material element for sound-damping cavities, particularly for light metal extruded profiles used in rail car construction. The foam material element has a foam material sandwich with at least two layers, namely a resilient layer and at least one heavy layer disposed on the resilient layer. The resilient layer is formed of soft foam polyurethane and the heavy layer is formed of a flocculated foam polyurethane compound. Prior to being inserted in a cavity to be sound-proofed, the foam material element is compressed and weld-sealed in an air-tight film. The element is inserted through an opening of the cavity in its compressed condition. After insertion and placement of the foam material element, the film is opened and, as a result of its exposure to air, the foam material element expands to such a degree that at least one heavy layer, biased by the resilient layer, comes into contact with the walls substantially over a broad surface area.

IPC 1-7

G10K 11/16

IPC 8 full level

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CPC (source: EP KR US)

G10K 11/16 (2013.01 - KR); **G10K 11/162** (2013.01 - EP US); **Y10T 428/231** (2015.01 - EP US); **Y10T 428/233** (2015.01 - EP US); **Y10T 428/24992** (2015.01 - EP US); **Y10T 428/249986** (2015.04 - EP US)

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