

Title (en)

SOUND-DAMPING COMPOSITE COMPONENT HAVING HONEYCOMB CORE, AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

SCHALLDÄMMENDES VERBUNDBAUTEIL MIT WABENKERN UND HERSTELLVERFAHREN HIERFÜR

Title (fr)

COMPOSANT COMPOSITE INSONORISANT AVEC UNE ÂME EN NID D'ABEILLES, ET PROCÉDÉ DE PRODUCTION DE CELUI-CI

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Application

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Abstract (en)

[origin: WO2022214316A1] The invention relates to a sound-damping composite component (1), comprising a honeycomb (10) and at least one insert body (18;... 68) in each of at least some honeycomb cells (16), and to a method for the production thereof. Each insert body has a main axis (H), a first end (21;... 61), a second end (22;... 62) and a contiguous surface (25;... 65) and is inserted with the main axis (H) in the direction of the honeycomb depth (T). According to the invention, the contiguous surface (25;... 65) has surface regions (25a, 25b;... 65a, 65b) which, in the axial direction, are spaced apart from each other and face each other and which overlap in a projection onto a plane perpendicular to the main axis (H) in order to delimit a passage (20;... 60) for sound waves in the axial direction. The path of the contiguous surface (25;... 65) through these surface regions (25a, 25b;... 65a, 65b) from the first end (21;... 61) to the second end (21;... 61) circles around the main axis (H), and/or said path crosses the main axis (H) multiple times.

IPC 8 full level

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