

Title (en)

MULTILAYERED SHAPED BODIES WITH LOCALLY DEFINED REINFORCING ELEMENTS

Title (de)

MEHRSCHEINTIGER FORMKÖRPER MIT LOKAL BEGRENZTEN VERSTÄRKUNGSELEMENTEN

Title (fr)

CORPS MOULE MULTICOUCHE A ELEMENTS DE RENFORT DELIMITES LOCALEMENT

Publication

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Application

EP 01989531 A 20011128

Priority

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- EP 0113893 W 20011128

Abstract (en)

[origin: WO0245954A2] The invention relates to multilayered shaped bodies with locally defined reinforcing elements. The multilayered shaped bodies consist of two outer metal layers and at least one intermediate layer. The intermediate layer consists of an organic binding agent and anisotropically distributed reinforcing elements arranged therein. The anisotropic reinforcing elements are disposed at points of the intermediate layer of the component which are exposed to particularly high structural strain or effects of forces or where high acoustic radiation occurs. The multilayered shaped bodies enable specifically light layered bodies with high structural resistance to be produced. Preferably, said bodies can be used in the construction of machines, vehicles or devices.

[origin: WO0245954A2] The invention relates to multilayered shaped bodies with locally defined reinforcing elements (V1, V2). The multilayered shaped bodies consist of two outer metal layers (M1, M2) and at least one intermediate layer (P). The intermediate layer (P) consists of an organic binding agent and anisotropically distributed reinforcing elements arranged therein. The anisotropic reinforcing elements (V1, V2) are disposed at points of the intermediate layer (P) of the component which are exposed to particularly high structural strain or effects of forces (F1, F2) or where high acoustic radiation occurs. The multilayered shaped bodies enable specifically light layered bodies with high structural resistance to be produced. Preferably, said bodies can be used in the construction of machines, vehicles or devices.

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