

Title (en)

USE OF A FIBRE COMPOSITE MATERIAL HAVING SANDWICH STRUCTURE AND FOAM COMPONENT

Title (de)

VERWENDUNG EINES FASERVERBUND-WERKSTOFFS MIT SANDWICH-STRUKTUR UND SCHAUMSTOFF-KOMPONENTE

Title (fr)

UTILISATION D'UN MATÉRIAU COMPOSITE FIBREUX AYANT UNE STRUCTURE EN SANDWICH ET UN COMPOSANT EN MATIÈRE ALVÉOLAIRE

Publication

**EP 3285999 A1 20180228 (DE)**

Application

**EP 16720075 A 20160422**

Priority

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- EP 2016059041 W 20160422

Abstract (en)

[origin: WO2016170131A1] The use of a fibre composite material W having a sandwich structure, constructed from: A) a thermoplastic material layer w, containing as components: a) a thermoplastic moulding compound A as a matrix, b) a ply made from reinforcing fibres B, and c) optionally additive C, wherein the ply of reinforcing fibres B is embedded in the matrix of the thermoplastic moulding compound A, and, in the production of the material layer w, the thermoplastic moulding compound A comprises at least one chemically reactive functionality, which reacts with chemical groups of the surface of the reinforcing fibres B; and B) a further thermoplastic layer T and/or a foam layer S, wherein said further layer T and/or S is permanently connected to the material layer w; provides increased mechanical stability for the production of moulded parts.

IPC 8 full level

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CPC (source: EP US)

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