

Title (en)

FLAT COMPOSITE MATERIAL, PACKAGING CASING AND PACKAGING WITH CURVED EDGES

Title (de)

FLÄCHENFÖRMIGES VERBUNDMATERIAL, PACKUNGSMANTEL UND PACKUNG MIT GESCHWUNGENEN KANTEN

Title (fr)

MATÉRIAU COMPOSITE PLAT, BOÎTIER D'EMBALLAGE ET EMBALLAGE À BORDS INCURVÉS

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Application

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Abstract (en)

[origin: WO2021104756A1] The invention relates to a flat composite material (1') for producing a packaging (20), comprising a polymer outer layer, a polymer inner layer and a fibre-containing carrier layer, which is arranged between the polymer outer layer and the polymer inner layer, wherein the flat composite material (1') has a plurality of folding lines which are designed and arranged such that a closed packaging (20) can be produced by folding the flat composite material (1') along the folding lines and by connecting joining surfaces of the flat composite material (1'), and said packaging comprises a casing surface (3), wherein the casing surface (3) has a front surface (14), a first lateral surface (16A), a second lateral surface (16B), a first rear surface (15A) and a second rear surface (15B). The production of packaging with even more complex geometries without negatively impacting the rigidity of the packaging is to be achieved via casing folding lines (18''), having multiple sections (I, II, III, IV), each bordering a lateral surface (16A, 16B) and a rear surface (15A, 15B), and at least one (II, III) of said sections being curved and at least one (I, IV) of said sections being straight. The invention also relates to a packaging casing (9') made of a composite material, and a packaging (20) made of a composite material and produced from the composite material (1') or the packaging casing (9').

IPC 8 full level

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