Title (en)

METHOD FOR PRODUCING A PLANAR MULTI-AXIAL COMPOSITE PRODUCT AND RESULTING PRODUCT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES PLANAREN MEHRACHSIGEN VERBUNDPRODUKTES UND AUF DIESE WEISE GEWONNENES PRODUKT

Title (fr)

PROCÉDÉ DE FABRICATION D'UN PRODUIT COMPOSITE MULTI AXIAL PLAN ET PRODUIT OBTENU PAR CE PROCÉDÉ

Publication

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Application

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Abstract (en)

[origin: WO2009115737A2] The invention relates to a method for producing a planar multi-axial composite product, including the following steps: (a) forming a multi-layer mat (13) having a longitudinal direction and a transverse direction, said step including at least a step in which a first layer comprising juxtaposed, resin-preimpregnated, unidirectional laps of reinforcing fibres is draped over a production supporting surface, said first layer laps forming a first angle in relation to the longitudinal direction of the mat, and a step in which at least a second layer (11, 12) comprising juxtaposed, resin-preimpregnated, unidirectional laps of reinforcing fibres is draped over the first layer (10), said second layer laps forming a second angle in relation to the longitudinal direction of the mat; (b) compacting the at least two layers, and (c) cutting the mat (13) into at least one planar multi-axial composite product having homogeneous deformation properties, particularly in terms of double curvature, enabling the production of parts with complex shapes.

IPC 8 full level

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Citation (search report)

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