

Title (en)

METHOD FOR PRODUCING A FIBRE-COMPOSITE COMPONENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES FASERVERBUND-BAUTEILS

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN ÉLÉMENT COMPOSITE RENFORCÉ PAR DES FIBRES

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Application

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Abstract (en)

[origin: WO2022167159A1] The invention relates to a method for producing a fibre-composite component (1) with a bolt-type metal part (1) introduced therein to form an anchoring point for the fibre-composite component (1), characterized by the following steps: a) inserting the metal part (3) into a fibre material (2) in such a way that a head portion (4) of the metal part (3) is arranged on one side of the fibre material (2) and an anchoring portion (5) of the metal part (3) projects from the other side of the fibre material (2), b) fitting a conical positioning element (6) onto the anchoring portion (5) of the metal part (3) in such a way that the anchoring portion (5) is accommodated in a bore (3) of the positioning element (6), a bottom face of the positioning element (6) rests against the fibre material (2), and the fibre material (2) is clamped between the positioning element (6) and the head portion (4) of the metal part (3), c) placing an arrangement consisting of the metal part (3), the fibre material (2) and the positioning element (6) in a tool, wherein a dimensionally stable tool shell (10) of the tool has, in order to accommodate the positioning element (6), a depression (12) whose shape matches a lateral surface of the positioning element (6), d) transforming the fibre material (2) into a laminate, e) removing the arrangement consisting of the metal part (3), the fibre material (2) and the positioning element (6) from the tool (10, 11), and f) removing the conical positioning element (6) from the anchoring portion (5) of the metal part (3).

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