

Title (en)
METHOD, DEVICE, AND MOLDING SHELL FOR PRODUCING A THREE-DIMENSIONAL PREFORM IN THE COURSE OF PRODUCING FIBER-REINFORCED MOLDED PARTS

Title (de)
VERFAHREN, VORRICHTUNG UND FORMSCHALE ZUR HERSTELLUNG EINES DREI-DIMENSIONALEN VORFORMLINGS IM ZUGE DER HERSTELLUNG VON FASERVERSTÄRKTEN FORMTEILEN

Title (fr)
PROCÉDÉ, DISPOSITIF ET COQUE DE MOULAGE POUR LA FABRICATION D'UNE ÉBAUCHE TRIDIMENSIONNELLE AU COURS DE LA FABRICATION DE PIÈCES MOULÉES RENFORCÉES PAR DES FIBRES

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Abstract (en)
[origin: WO2012062824A2] The invention relates to a method, device, and molding shell for producing a three-dimensional preform in the course of producing fiber-reinforced molded parts. A device substantially comprises a draping device (2) having a supporting table (4) for a stack of woven fabric (3) and a molding shell (5) for forming the preform (6) from the stack of woven fabric (3) by means of the draping device (2). The method according to the invention is characterized in that: a stack of woven fabric (3) is placed on a supporting table (4) of a draping device (2) in a receiving position, and remains there due to the force of gravity (N); a molding shell (5) is transported into a receiving position such that the stack of woven fabric (3) is between the supporting table (4) and the molding shell (5); then at least one draping tool (8) is extended out of the supporting table (4) substantially opposite the force of gravity (N) and the stack of woven fabric (3) is thereby brought into the molding shell (5), and the draping device (2) is pivoted together with the molding shell (5) by a pivot angle (a), such that the stack of woven fabric (3) remains in the molding shell (5) due to the force of gravity (N) and the draping device (2) and the molding shell (5) can be pivoted back into the receiving position after removing the hardened preform (6).

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