

Title (en)
METHOD FOR PRODUCING A COMPONENT FROM A FIBRE COMPOSITE, PREFORM THEREFOR, AND COMPONENT

Title (de)
VERFAHREN ZUM HERSTELLEN EINES BAUTEILS AUS EINEM FASERVERBUNDWERKSTOFF, VORFORMLING DAFÜR SOWIE BAUTEIL

Title (fr)
PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT EN MATÉRIAU RENFORCÉ PAR DES FIBRES, PRÉFORME CORRESPONDANTE ET ÉLÉMENT

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Abstract (en)
[origin: WO2012007160A2] The invention relates to a method for producing a component from a fibre composite. A number of layers of a dry fibrous material are stacked to form a pile (16), the dry pile (16) is covered by a thermoplastic film (18) in a gas-tight manner, the inner space (23) occupied by the pile (16) within the film (18) is pumped dry and the layers are fixed to form a preform (12) that is stable during transport, the preform (12) is reshaped, a liquid thermosetting material (20) is inserted into the inner space (23) by infiltration of the fibrous material, and the preform (12) is hardened with the infiltrated fibrous material to form the finished component, the film (18) binding permanently as the surface. The invention also relates to a component produced in such a way, and to a corresponding preform (12). The production method is advantageous in that it provides a process-integrated surface finishing of the fibre composite. The surface properties are created by the bound thermoplastic film (18).

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