

Title (en)
METHOD FOR PRODUCING FINISHED PARTS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON FERTIGTEILEN

Title (fr)
PROCÉDÉ DE PRODUCTION DE PIÈCES FINIES

Publication
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Application
EP 15797883 A 20151104

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Abstract (en)
[origin: WO2016075010A1] The invention relates to a method for producing finished parts from at least one multi-layer, fiber-reinforced, flat semi-finished product structure, comprising the following steps: a) heating the at least one multi-layer, fiber-reinforced, flat semi-finished product structure to a first temperature Ta at ambient pressure, wherein the at least one multi-layer, fiber-reinforced, flat semi-finished product structure comprises at least two polymer layers arranged one over the other and the individual polymer layers are each fiber-reinforced and are not integrally bonded to each other or are only partially integrally bonded to each other and, for the case that at least one of the polymer layers contains a semicrystalline polymer, the first temperature Ta is higher than a melting temperature Ts of the crystalline polymer as per DIN EN ISO 11357-3:2013-04, and, for the case that the at least two polymer layers do not contain a semicrystalline polymer, the first temperature Ta is higher than a glass transition temperature Tg as per DIN EN ISO 11357-2:2013-09 of a polymer that is contained in at least one of the at least two polymer layers, b) pressing the heated at least one multi-layer, fiber-reinforced, flat semi-finished product structure into a finished part at a second temperature Tb and a pressure pb of at least 3 bar.

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