

Title (en)
METHOD FOR LAYING UP AND CONSOLIDATING DURING LAYING THERMOPLASTIC COMPOSITE COMPONENTS CONTAINING FIBROUS REINFORCEMENTS

Title (de)
VERFAHREN ZUM AUF EINANDERLEGEN UND KONSOLIDIEREN BEIM LEGEN VON THERMOPLASTISCHEN VERBUNDTEILEN MIT FASERVERSTÄRKUNGEN

Title (fr)
PROCÉDÉ POUR LE DRAPAGE ET LA CONSOLIDATION À LA DÉPOSE DE PIÈCES COMPOSITES THERMOPLASTIQUES À RENFORT FIBREUX

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Abstract (en)
[origin: WO2013004672A1] The invention relates to a method for laying up a strip (110) of fibres containing a thermoplastic polymer and for consolidating during laying of a component thus laid up, said method involving the steps consisting in: a. pre-consolidating a strip (115) through the pultrusion (120) of rovings (110) that have been pre-impregnated with a thermoplastic polymer through a die; b. storing said pre-consolidated strip in the form of a semifinished product; c. laying up said semifinished product on a ply (117) of the same kind, previously laid on a form (150) while pressing (165) said semifinished product (115) onto said ply (117) and heating the interface between the semifinished product and the ply (117) already laid to a temperature T capable of causing the semifinished product (115) to weld to said ply (117).

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