

Title (en)

METHOD FOR MANUFACTURING COMPOSITE PARTS AND MANUFACTURING EQUIPMENT IMPLEMENTING SUCH A METHOD

Title (de)

VERFAHREN ZUR HERSTELLUNG VON VERBUNDETEILEN UND VORRICHTUNG ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)

PROCEDE DE FABRICATION DE PIECES COMPOSITES, INSTALLATION DE FABRICATION METTANT EN OEUVRE UN TEL PROCEDE

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Application

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Abstract (en)

[origin: WO2014044963A2] The present invention relates to a method for manufacturing composite parts, and further relates to manufacturing equipment implementing such a method and to resulting composite parts. The invention is useful in the field of aircraft construction. During a first phase, the part is designed, the geometry is computed, and the fabric architecture of the fabric preform and a mandrel for forming the first state of the preform are calculated. During a second phase, the preform fabric (21) and the mandrel (20), both calculated in the first phase, are produced. During a third phase, the mandrel is wrapped with the manufactured fabric, the preform is extracted from the mandrel thereof in order to collapse (R) a portion (29b") of the preform, and finally, the preform is impregnated in order to obtain the desired composite material part.

IPC 8 full level

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Citation (search report)

See references of WO 2014044963A2

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