

Title (en)

METHOD AND DEVICE FOR PRODUCING A CURVED SECTION MADE FROM COMPOSITE MATERIAL AND RESULTING SECTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES GEKRÜMMTEN TEILSTÜCKES AUS EINEM VERBUNDWERKSTOFF UND AUF DIESE WEISE HERGESTELLTES TEILSTÜCK

Title (fr)

PROCÉDÉ ET DISPOSITIF DE RÉALISATION D'UN PROFIL COURBE EN MATÉRIAU COMPOSITE, ET PROFIL CORRESPONDANT

Publication

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Application

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Abstract (en)

[origin: WO2009115734A2] The invention relates to a method and device for producing a curved section made from composite material and to the resulting section (63), in which the section is made from at least one composite band (11) extending along a longitudinal axis. The band is formed by stacking at least two laps of unidirectional reinforcing fibres (4, 5, 6) disposed along particular orientations. The band is draped over a jig (34, 73) having an essentially elongated planar or substantially planar application face (36) with a determined configuration corresponding to that of the desired section and extending about a reference line, and the band is applied progressively and deformed simultaneously along the reference line, so that, in the part(s) having a non-zero radius of curvature, the fibres fan out progressively in the application plane.

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