

Title (en)
COMPOSITE MATERIAL TUBULAR EQUIPMENT PRODUCED BY WINDING OF WEFT-UNBALANCED WOVEN FABRIC ON A COMPRESSIBLE MANDREL

Title (de)
ROHRFÖRMIGER VERBUNDWERKSTOFFGEGENSTAND, HERGESTELLT DURCH WICKELN VON UNSYMMETRISCH GEWEBTEM SCHUSSGEWEBE AUF EINEM KOMPRIMIERBAREN KERN

Title (fr)
EQUIPEMENT TUBULAIRE EN MATERIAUX COMPOSITES REALISES PAR ENROULEMENT DE TISSUS DESEQUILIBRES EN TRAME SUR UN MANDRIN COMPRESSIBLE

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Application
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Abstract (en)
[origin: WO9744181A1] The invention discloses composite material tubes, piles, masts subjected to axial compression or bending stresses, produced by an adapted winding of weft-unbalanced woven fabric, such that the main portion of reinforcement fibres is placed parallel to the longitudinal axis of the structure. The tubes, piles and masts are produced by winding on a compressible mandrel to ensure that the tubes are not stressed or subjected to micro-cracking when the mandrel plug is pulled out.

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