

Title (en)
WEB OF IMPREGNATED FIBROUS MATERIAL, PRODUCTION METHOD THEREOF AND USE OF SAME FOR THE PRODUCTION OF THREE-DIMENSIONAL COMPOSITE PARTS

Title (de)
BAHN AUS IMPRÄGNIERTEM FASERMATERIAL, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG ZUR HERSTELLUNG VON DREIDIMENSIONALEN VERBUNDEILEN

Title (fr)
NAPPE DE MATERIAU FIBREUX IMPREGNE, SON PROCEDE DE FABRICATION ET SON UTILISATION POUR LA FABRICATION DE PIECES COMPOSITES EN TROIS DIMENSIONS

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Application
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Abstract (en)
[origin: WO2019180371A2] The present invention relates to a web of impregnated fibrous material(s) comprising N individual tapes of fibrous material(s) stacked and/or joined in relation to one another, in which said N tapes adhere to each other and can overlap at least partially. According to the invention, the tapes of fibrous material(s) comprise continuous fibres impregnated with at least one thermoplastic polymer, and optionally a chain extender. The web is characterised in that it has a surface, in cross-section perpendicular to the axis of the fibres, S, that is substantially equal to the sum of the surface, in cross-section perpendicular to the axis of the fibres, of each initial individual tape, denoted S_{th}, S_{th} being equal to N x l x E_p, wherein l represents the average width of a tape and E_p represents the average thickness of a tape, N being between 2 and 2000, and the average thickness of each individual tape being less than or equal to 150µm, preferably less than or equal to 100µm, in particular between 10 and 100µm.

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