

Title (en)
METHOD FOR PRODUCING AN AT LEAST PARTIALLY CONTOURED, FIBRE REINFORCED PLASTIC PROFILE, A CONTOURED, FIBRE REINFORCED PLASTIC PROFILE AND ITS USE

Title (de)
VERFAHREN ZUM HERSTELLEN EINES ZUMINDEST BEREICHSWEISE PROFILIERTEN, FASERVERSTÄRKTEN KUNSTSTOFFPROFILS, EIN PROFILIERTES, FASERVERSTÄRKTES KUNSTSTOFFPROFIL UND SEINE VERWENDUNG

Title (fr)
PROCÉDÉ DE FABRICATION D'UN PROFILÉ EN MATIÈRE PLASTIQUE PROFILÉ AU MOINS PAR ENDROITS ET RENFORCÉ PAR DES FIBRES, PROFILÉ EN MATIÈRE PLASTIQUE PROFILÉ RENFORCÉ PAR DES FIBRES ET UTILISATION DUDIT PROFILÉ

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Application
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Abstract (en)
[origin: WO2017211904A1] The invention relates to a method for producing an at least partially contoured, fibre reinforced plastic profile (1) comprising the following method steps: - providing a plurality of first reinforcement fibres (2), preferably long fibres and/or continuous fibres, - feeding the first reinforcement fibres (2) into a unit (3) for combining the first reinforcement fibres (2) to produce a uni-, bi- or tridirectional fibre bundle (4), - feeding the fibre bundle (4) into a unit (5) for impregnating the fibre bundle (4) with a first polymer matrix, - feeding the impregnated fibre bundle (4) into a unit (7) for at least partially shaping and for at least partially or fully curing the first polymer matrix to produce a fibre reinforced main plastic body (8), more particularly using heat, - providing second reinforcement fibres (9) for applying to the fibre reinforced main plastic body (8) at least in parts, - feeding the fibre reinforced main plastic body (8) containing the second reinforcement fibres (9) into a unit (13) for the at least partial fibre reinforced contouring and/or shaping to produce an at least partially contoured, fibre reinforced plastic strand (14), more particularly under pressure, - trimming the at least partially contoured, fibre reinforced plastic strand (14) to produce an at least partially contoured, fibre reinforced plastic profile (1).

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