

Title (en)

METHOD FOR THE PRODUCTION OF METAL PARTS REINFORCED WITH CONTINUOUS THERMOPLASTIC FIBRES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON MIT KONTINUIERLICHEN THERMOPLASTISCHEN FASERN VERSTÄRKTEN METALLTEILEN

Title (fr)

PROCÉDÉ DE RÉALISATION DE PIÈCES MÉTALLIQUES RENFORCÉES DE FIBRES THERMOPLASTIQUES CONTINUES

Publication

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Application

**EP 16784222 A 20160916**

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Abstract (en)

[origin: WO2017051081A1] The invention relates to a method for producing a reinforced part (4), comprising the draping of unidirectional continuous fibres (31-34) on a metal part (1) equipped with an adhesive layer including at least a first thermoplastic polymer, said fibres being pre-impregnated with at least a second thermoplastic polymer, said draping comprising the automated placement of pre-impregnated fibres on the metal part using a compacting roller (21) and the heating of the pre-impregnated continuous fibres to be draped and the adhesive layer of the metal part to a temperature at least greater than or equal to the melting point of the second polymer, in order to weld the pre-impregnated fibres to the metal part.

IPC 8 full level

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