

Title (en)

PROCESS FOR MANUFACTURING A PREIMPREGNATED FIBROUS REINFORCEMENT FROM A THERMOPLASTIC NONWOVEN AND A NATURAL PLANT FIBER REINFORCEMENT, AND PREIMPREGNATED FIBROUS REINFORCEMENT OBTAINED

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER VORIMPRÄGNIERTEN FASERVERSTÄRKUNG AUS EINEM THERMOPLASTISCHEN VLIESSTOFF UND EINER NATÜRLICHEN PFLANZENFASERVERSTÄRKUNG UND SO HERGESTELLTE VORIMPRÄGNIERTE FASERVERSTÄRKUNG

Title (fr)

PROCEDE DE FABRICATION D'UN RENFORT FIBREUX PRE-IMPREGNE A PARTIR D'UN NON-TISSE THERMOPLASTIQUE ET D'UN RENFORT DE FIBRES NATURELLES VEGETALES, ET RENFORT FIBREUX PRE-IMPREGNE OBTENU

Publication

**EP 3938162 A1 20220119 (FR)**

Application

**EP 20709228 A 20200312**

Priority

- FR 1902514 A 20190312
- EP 2020056708 W 20200312

Abstract (en)

[origin: WO2020182959A1] Process for manufacturing a preimpregnated fibrous reinforcement (1) composed of a reinforcement made of natural plant fibers (2) impregnated with a thermoplastic polymer (3), comprising the steps: placing a first strip (4) of reinforcement made of natural plant fibers (2) and a second strip (5) of thermoplastic nonwoven (3) with a melting temperature  $T_m$  in contact with one another; said strips (4,5) are conveyed to first a heating zone (9) maintained at a temperature  $T_1$  below  $T_m$ ; said strips (4,5) are conveyed to a second heating zone (11) maintained at a temperature  $T_2$  above  $T_m$ ; said complex (13) is pressed and is conveyed to a cooling zone (15) in order to obtain said reinforcement.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2020182959A1

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Designated extension state (EPC)

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