

Title (en)

PROCESS FOR PRODUCING A THERMOPLASTIC POLYMER-CONTAINING FIBER-REINFORCED COMPOSITE MATERIAL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES FASERVERSTÄRKTEN VERBUNDWERKSTOFFS ENTHALTEND EIN THERMOPLASTISCHES POLYMER

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN MATÉRIAU COMPOSITE RENFORCÉ PAR DES FIBRES CONTENANT UN POLYMÈRE THERMOPLASTIQUE

Publication

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Application

EP 21831317 A 20211214

Priority

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- EP 2021085686 W 20211214

Abstract (en)

[origin: WO2022129045A1] The invention relates to a process for producing a fiber-reinforced composite material (organosheet) containing at least one thermoplastic molding compound, at least one continuous reinforcing fiber layer and at least one inorganic filler material. According to the invention, at least one sheet material consisting of continuous reinforcing fibers is embedded in a matrix composition comprising at least one thermoplastic molding compound, the thermoplastic molding compound including at least one thermoplastic polymer and optionally at least one polarity-functionalized polymer that contains repeat units of at least one functional monomer. The invention also relates to the composite materials produced according to the claimed method.

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP)

C08L 23/12 + C08L 51/06 + C08K 7/14

Citation (search report)

See references of WO 2022129045A1

Designated contracting state (EPC)

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