

Title (en)

DUROPLASTIC COMPOSITE FIBER PLASTIC STRUCTURE COMPRISING A THERMOPLASTIC AND FIBER-REINFORCED LOAD INTRODUCING ELEMENT

Title (de)

DUROPLASTISCHE FVK-STRUKTUR MIT EINEM THERMOPLASTISCHEN UND FASERVERSTÄRKTEN LASTEINLEITUNGSELEMENT

Title (fr)

STRUCTURE COMPOSITE THERMODURCISSABLE RENFORCÉE PAR DES FIBRES COMPORTANT UN ÉLÉMENT D'APPLICATION DE CHARGE THERMODURCISSABLE RENFORCÉ PAR DES FIBRES

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Application

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Abstract (en)

[origin: WO2015197148A1] The invention relates to a composite fiber plastic structure (1) comprising at least one fiber structure (2) that is embedded in a duroplastic matrix (3), and at least one load introducing element (10). According to the invention, the load introducing element (10) includes a thermoplastic molded part (12) produced by partially impregnating a fibrous insert (11) using a thermoplastic injection molding process, and the fiber structure (2) as well as the non-impregnated portion (11.1) of the fibrous insert (11), which is placed on the fiber structure (2) comprising the thermoplastic molded part (12), are impregnated with the duroplastic matrix (3).

IPC 8 full level

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See references of WO 2015197148A1

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DE 102005008252 A1 20060907 - AIRBUS GMBH [DE], et al

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