

Title (en)

METHOD FOR THE PRODUCTION OF AN EXTERIOR TRIM PANEL FOR A MOVABLE BODY PART AND A CORRESPONDING EXTERIOR TRIM PANEL WITH REINFORCEMENT BY BACK INJECTING FIBRE-REINFORCED MATERIAL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES AUSSENVERKLEIDUNGSTEILS FÜR EIN BEWEGBARES KAROSSERIETEIL SOWIE EIN ENTSPRECHENDES AUSSENVERKLEIDUNGSTEIL MIT VERSTÄRKUNG DURCH HINTERSPRITZEN VON FASERN VERSTÄRKETEN KUNSTSTOFF

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT D'HABILLAGE EXTÉRIEUR POUR PIÈCE DE CARROSSERIE MOBILE ET ÉLÉMENT D'HABILLAGE EXTÉRIEUR CORRESPONDANT POURVU D'UN RENFORCEMENT PAR MOULAGE PAR INJECTION ARRIÈRE DE PLASTIQUE RENFORCÉ PAR DES FIBRES

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Application

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Abstract (en)

[origin: WO2015078567A1] The invention relates to a method for producing a large-surface exterior trim panel for a movable body part of a motor vehicle, in particular a door, front hood, or tailgate of a passenger car, in which at least one large-surface sheet metal part forming the exterior trim panel is shaped into a three-dimensional form by means of a forming tool. To at least part of the inner side of the shaped sheet metal part (1), a reinforcement (2.2, 2.3) made of plastic is applied by way of back injection molding, wherein as a sheet metal part, a sheet metal part having a sheet thickness of less than 0.6 mm, preferably less than 0.5 mm is used. By way of seam-folding and/or adhesive bonding, the shaped sheet metal part (1) having the at least one reinforcement is connected to an inner structure (6) made of sheet metal and/or plastic. By means of the method according to the invention, such an exterior trim panel can be produced as a high-quality exterior trim panel that is relatively lightweight, yet has sufficient stiffness against denting, in a cost-effective way. The invention further relates to a corresponding external trim panel.

IPC 8 full level

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Citation (search report)

See references of WO 2015078567A1

Citation (examination)

- DE 102008035918 A1 20100204 - BAYER MATERIALSCIENCE AG [DE], et al
- JP 2007326076 A 20071220 - TOYOTA AUTO BODY CO LTD

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