

Title (en)

FLOOR STRUCTURE FOR A BODY OF A VEHICLE, BODY FOR A VEHICLE, AND VEHICLE

Title (de)

BODENSTRUKTUR FÜR EINE KAROSSERIE EINES FAHRZEUGS, KAROSSERIE FÜR EIN FAHRZEUG SOWIE FAHRZEUG

Title (fr)

STRUCTURE DE PLANCHER POUR UN CORPS D'UN VÉHICULE, CORPS POUR VÉHICULE, ET VÉHICULE

Publication

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Application

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Abstract (en)

[origin: WO2022033894A1] The invention relates to a floor structure for a body (10), comprising: side sills (20, 22) spaced apart from one another in the vehicle transverse direction (y); a main floor element (24) situated between the side sills (20, 22); an energy store (26) situated underneath the main floor element (24) in the vehicle vertical direction (z); and a crossmember element (32), which is situated on an upper side (30), pointing upwards in the vehicle vertical direction (z), of the main floor element (24) and extends in the vehicle transverse direction (y) between the side sills (20, 22), the hollow cross section (34) of which crossmember element, which hollow cross section is itself open at the bottom in the vehicle vertical direction (z) and is delimited at the top by an upper chord (36) of the crossmember element (32), being complemented by the main floor element (24) to form a closed hollow cross section (38). A reinforcing element (46), which extends in the vehicle transverse direction (y) at least over a section of the crossmember element (32), is situated in the closed hollow cross section (38). The floor structure is characterised in that, in order to reinforce the crossmember element (32), by supporting the upper chord (36) of the crossmember element (32) with respect to the main floor element (24), the reinforcing element (46) is attached to the main floor element (24) via at least one first attachment region (A1) and attached to the upper chord (36) via second and third attachment regions (A2, A3) spaced apart in the vehicle longitudinal direction (X).

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Citation (search report)

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