

Title (en)
BODY COMPONENT OR CHASSIS COMPONENT OF A MOTOR VEHICLE HAVING IMPROVED CRASH PERFORMANCE, AND METHOD FOR PRODUCING SAME

Title (de)
KAROSSERIE- ODER FAHRWERKBAUTEIL EINES KRAFTFAHRZEUGES MIT VERBESSERTER CRASHPERFORMANCE SOWIE VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
COMPOSANT DE CARROSSERIE OU DE CHÂSSIS D'UN VÉHICULE AUTOMOBILE POSSÉDANT UNE PERFORMANCE AMÉLIORÉE AU CRASH-TEST ET PROCÉDÉ DE SA FABRICATION

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Application
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Abstract (en)
[origin: WO2017016535A1] The invention relates to a body component or chassis component (1) for a motor vehicle, comprising at least one surface segment (2, 3) composed of a three-layer sheet-metal composite (10) having a central layer (11) and two outer layers (12, 13), which bound the central layer (11) on the outside and which are integrally joined to the central layer face to face, characterized in that the outer layers (12, 13) are composed of a stainless steel alloy having a microstructure selected from the group of ferritic, austenitic, or martensitic microstructure and the central layer (11) is composed of a heat-treatable steel alloy, and the body component or chassis component has a bending angle of greater than 80°, determined in the plate bending test according to VDA 238-100, having an Rp0.2 yield strength of greater than 900 MPa.

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