

Title (en)
MOTOR VEHICLE WITH A SIDE DOOR

Title (de)
KRAFTWAGEN MIT EINER SEITENTÜR

Title (fr)
VÉHICULE AUTOMOBILE À PORTE LATÉRALE

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Application
EP 21748894 A 20210726

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Abstract (en)
[origin: WO2022037906A1] The invention relates to a motor vehicle with a side door (1) which comprises at least one reinforcing element (25), wherein the reinforcing element (25) which is configured as an elongate profile part and has at least two deformation regions arranged at different height levels in the vertical direction of the motor vehicle is arranged overlapping at least in regions with a side sill (27) of the body, wherein a first, upper deformation region (29) and a second, lower deformation region (31) are provided, wherein, in the event of a side impact test with a barrier (37) having a large first barrier portion (39) and a smaller second barrier portion (41) protruding forwards from the first barrier portion in the direction of the motor vehicle, only the upper deformation region (39) – as seen in the transverse direction of the motor vehicle – overlaps with the second barrier portion (41) of the barrier (37), and wherein at least one impact damper (49) which is configured as a foam part is provided inside the side door between the reinforcing element (25) and the side sill (27).

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