

Title (en)
DOOR HINGE

Title (de)
TÜRBAND

Title (fr)
CHARNIÈRE DE PORTE

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Abstract (en)

[origin: WO2017097457A1] The invention relates to a door hinge having an inner and an outer door hinge part (1, 2; 4, 5). The inner and outer door hinge part (1, 2; 4, 5) have securing means (1, 4), in particular in the form of hinge straps, for mounting on door frames or on the door. The outer door hinge part (1, 2) has two bearing sections (2) which are rigidly connected together by the securing means (1), and the inner door hinge part (4, 5) has a bearing section (5) which is arranged between the two bearing sections (2) of the outer door hinge part (1, 2). The invention is characterized in that at least one bearing section (2, 5) has an end-face recess in the form of a blind hole (2a) with a flat base (2d). A first cylindrical sliding shell element (6) lies in the blind hole (2a) and the end-face outer wall (6c) of the element lies flatly against the base (2d) of the blind hole (2a). The first sliding shell element (6) has a spherical calotte-shaped wall (6a), in which a ball (7), in particular a ball made of metal, lies, and a second cylindrical sliding shell element (8) lies entirely or partly in the blind hole (2a), said second cylindrical sliding shell element having a concave spherical calotte-shaped wall (6a), which lies flatly against the ball surface, on the sliding shell element end face facing the ball (7). The second cylindrical sliding shell element (8) has a central recess (8c) on the sliding shell element end face facing away from the ball (7), and a projection (5b, 5c) of the adjacent bearing section (2, 5), in particular a cylindrical projection, engages into the central recess. The end face (5d) of the projection (5b, 5c) rests against the base wall (8b) of the central recess (8c).

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