

Title (en)
DOOR HINGE

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Abstract (en)
[origin: EP0375024A1] The invention relates to a door hinge allowing the end of the door closing movement to be a perfect translatory motion after a substantially rotatory motion, and vice versa in the reversed movement when opening the door. Between two mounting parts (1) and (2) for the wall (17) and the door (18), respectively there is a connecting piece consisting of two parts, a first part of which consists of a hinging parallelogram formed by two parallel swivel links (6) and (7), which are pivotally connected on the one hand around pin-shaped axes (10) and (11) to the door mounting part (2) and on the other hand around pin-shaped axes (8) and (9) to a connecting link (3), which forms the second part of the connecting piece. This connecting link (3) is with its extended part swivellingly connected around a pin-shaped axis (4) to the wall mounting part (1), which comprises a curve disc (14) with a stop (14.1) and a cylinder-shaped curve path (14.2). The swivel link (7) comprises a guide roller (15) capable of co-operating with the curve disc (14) over the curve path (14.2). The guide roller (15) has been positioned in such a way that as soon as it reaches the curve path (14.2) the curve disc (14) will be clasped between the connecting link (3) and the guide roller (15), as a result of which the guide roller (15) can follow only the curve path (14.2), so that the closing movement will change over to a completely forced translatory motion.

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