

Title (en)
Door closer

Title (de)
Türschließer

Title (fr)
Ferre-porte

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Abstract (en)
[origin: WO2008083805A1] The invention relates to a door closer (100) which comprises a pinion shaft (104) on which a cam disk (103) is arranged in a rotationally fixed manner and a pressure roller (101). A closing spring (102) forces the pressure roller (101) against a roll-off surface of the cam disk (103) by means of an operative connection (106, 111, 107). The pressure roller (101) is arranged relative to an axial center of the pinion shaft (104) in such a manner that the pressure roller (101), when a door leaf of a conventional door coupled to the pinion shaft (104) is opened or closed, can be displaced along a trajectory. The invention is characterized in that said trajectory runs past the axial center of the pinion shaft (104) and the run-off surface of the cam disk (103) has a special design. Therefore, a similar or identical torque acts upon the pinion shaft (104) in different modes of operation of the door closer (100) when the door leaf is opened at a respective opening angle.

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