

Title (en)

SEALING DEVICE FOR THE LOWER DOOR GAP OF A DOOR WING

Publication

**EP 0209678 B1 19890419 (DE)**

Application

**EP 86107173 A 19860527**

Priority

DE 3526720 A 19850726

Abstract (en)

[origin: EP0209678A2] 1. Sealing device for the bottom gap of a door leaf having the features : - it has a casing with rectangular cross section (30) which accommodates in a lower downwardly open chamber (33) a resiliently suspended lowering bar (46) with a rubber strip ; - the casing (30) accommodates a lowering mechanism which, by pressure of a door post on a sliding element (50, 45) accommodated at the end face of the casing (30), moves two slides (34, 37) which, on their turn, each press downwardly an associated cylindrical element (42) by means of an inclined surface (35, 38) ; - the cylindrical elements (42) are each suspended on wire springs (40) formed by two legs which, in the horizontal position, are firmly clamped with one end (43) at the side of the casing ; characterised by the following features : - the two springs (40) are arranged in the same direction and are each connected at their ends via a hinge (44c) to the lowering bar (46) ; - in the region between the clamping and the hinge there is held, at each spring, a cylinder (42) in such a manner so as to be unslidable, the two parallel legs of the springs being guided through bores provided in the cylinder ; - the movement of the slides is dimensioned such that in the closing position the cylinders engage, after having passed the inclined surface (35), a lower sliding face ; - at the sliding element (50) provided at the end side there is associated, at the side of the post, a coupling element (60) which, when closing the door designed as a sliding door, presses the slides (34, 37) in the closing position so that a tensile resistant connection is produced which, when opening the door, draws the slides (34, 37) in the opening position and releases itself automatically.

IPC 1-7

**E06B 7/215**

IPC 8 full level

**E06B 7/20** (2006.01); **E06B 7/215** (2006.01)

CPC (source: EP)

**E06B 7/20** (2013.01); **E06B 7/215** (2013.01)

Cited by

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