

Title (en)
SUSPENSION DEVICE FOR A SLIDING DOOR

Publication
EP 0012453 B1 19820505 (FR)

Application
EP 79200248 A 19790521

Priority
CH 1244578 A 19781206

Abstract (en)
[origin: EP0012453A1] 1. Suspension device for a sliding door adapted to be closed by its inherent weight, notably for refrigerating installations, which comprises at least two suspension links (4, 5) pivoted to the door (1) about a horizontal pin (50, 51) and connected to sliding means consisting of a plurality of rollers (7, 8, 9, 10, 11) having peripheral grooves (41) and of a cylindrical bar (6) for guiding the sliding movement of the door parallel to its main plane, the separation of the door from its fixed frame being provided by at least one roller (19, 20) carried by the door (1) and adapted to cooperate with a ramp (21, 22) followed by a guide-path (23, 24), characterized in that the grooved rollers (7, 8, 9, 10, 11) are secured by means of substantially horizontal axle-pins (32) to the door top, that the suspension links (4, 5) are rigidly connected to said cylindrical bar (6) through a bent portion of each link, and that the grooved rollers (7, 8, 9, 10, 11) support and hold said cylindrical bar (6) by means of their grooves (41) in which the bar (6) is movable not only for translation but also for rotation about its axis.

IPC 1-7
E05D 15/56; **E05D 15/10**

IPC 8 full level
E05D 15/06 (2006.01); **E05D 15/10** (2006.01); **E05D 15/56** (2006.01)

CPC (source: EP)
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Cited by
ES2161590A1; US11008775B2; EP2273053A1; CN112145007A; US2010126073A1; US7878575B1; GB2326662A; GB2326662B

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