

Title (en)
Door closer.

Title (de)
Türschliesser.

Title (fr)
Ferre-porte.

Publication
EP 0467131 A1 19920122 (EN)

Application
EP 91110726 A 19910628

Priority
IT 1249490 A 19900720

Abstract (en)

The door closer is provided at its interior with seal means (3-3') and with other means, which are such that owing to these means, when the door closer moving element is in its opened door-locking position, the pressure chambers (G1-G3) between which oil should be allowed to flow, are thoroughly isolated from each other. Connected between these chambers is at least one unlocking valve (4) which normally is in closed condition, while when a door is being pushed into its closed position, and an overpressure is formed in chamber (G1), whose volume decreases during the door-closing stroke of the door closer, the said valve is affected by the said pressure peak and is set in open condition, thus allowing the door closer moving element to be returned into rest position. During the door-closing stroke of the said moving element, the unlocking valve is isolated from the pressure chamber (G1) whose volume is decreasing, and is automatically reset, and the door closer moving element will complete its door-closing stroke under the control of conventional, adjustable valve means (V) provided in the same. The setting of the unlocking valve (4) can be removed any time a door closer should be used without the locking of a door in opened position being required. <IMAGE>

IPC 1-7
E05F 3/10; **E05F 3/12**; **E05F 3/22**

IPC 8 full level
E05F 3/10 (2006.01); **E05F 3/12** (2006.01); **E05F 3/22** (2006.01)

CPC (source: EP)
E05F 3/102 (2013.01); **E05F 3/12** (2013.01); **E05F 3/223** (2013.01); **E05Y 2201/20** (2013.01); **E05Y 2201/254** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)

- [X] FR 2421260 A1 19791026 - DORMA BAUBESCHLAG [DE]
- [X] GB 672432 A 19520521 - ERNST BILLETER
- [Y] BE 468257 A
- [A] FR 2099216 A5 19720310 - GRETSCH CO GMBH
- [A] GB 2156950 A 19851016 - NEWMAN TONKS ENG
- [A] US 3979790 A 19760914 - CHIARAPPA RALPH F

Cited by
ITVI20120254A1; EP3260641A1; EP1672157A1; GB2254653B; DE10145200A1; DE10145200B4; EP2960417A1; CN105298272A; CN115419338A; US10961760B2; US7240603B2

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