

Title (en)
DOOR CLOSER

Publication
EP 0215264 B1 19890412 (DE)

Application
EP 86110703 A 19860802

Priority
DE 8526660 U 19850918

Abstract (en)
[origin: EP0215264A2] 1. Door closer with a rotating member which can be connected to the door, the rotary movement of which can be converted into a displacement movement of a piston rod (4), a piston (1) which can be displaced against the force of a return spring (5) being located in a cylinder (2) at the end of the piston rod furthest from the rotating member and when the door is opened a hydraulic fluid being forced by the piston from the front cylinder space (6) picked up by the piston rod through a nonreturn valve into a rear cylinder space (7), from which when the door is turned back, it flows back via a first housing channel (14) and via a first throttle valve (12) installed in it, characterized in that the first throttle valve (12) is connected hydraulically to a second throttle valve (18) via a second channel (16) opening out into the front cylinder space (6), the mouth (19) of the second channel (16) is nearer in the front cylinder space (6) to the rotating member than the mouth (13) of the first channel (14) in the front cylinder space (6) and in that the piston (1) with an opening angle of the door of more than approximately 80° to 90° closes the said mouth (13) of the first channel (14), whilst the said mouth (13) of the first channel (14), whilst the said mouth (19) of the second channel (16) is open every opening angle of the door.

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

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

CPC (source: EP)
E05F 3/12 (2013.01); **E05F 3/223** (2013.01); **E05Y 2201/21** (2013.01); **E05Y 2201/256** (2013.01); **E05Y 2201/264** (2013.01); **E05Y 2900/132** (2013.01)

Cited by
CN102959168A; US5107677A; ITVI20120255A1; US5161957A; EP0291654A1; EP0285775A1; EP0328933A1; DE10145200A1; EP2921625A1; DE10145200B4; CN110792349A; WO2011160785A1; EP2808475B1

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