

Title (en)
Door closer

Title (de)
Türschließer

Title (fr)
Ferme-porte

Publication
EP 2518252 A3 20141210 (DE)

Application
EP 12165460 A 20120425

Priority
DE 102011017795 A 20110429

Abstract (en)
[origin: EP2518252A2] The closer (1) has a gear assembly arranged in a housing (2). Overflow channels are arranged in the housing, and butterfly valves are arranged in the overflow channels for controlling behavior of the door closer. Pressure increase caused from a determined door opening angle by one of the butterfly valves for aperture attenuation in a spring chamber (12) is directly blocked against an axial space (15) before setting pressure increase in the spring chamber by a sealing device that is located in a working position by movement of a piston rod (7).

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

CPC (source: EP)
E05F 3/104 (2013.01); **E05F 3/12** (2013.01); **E05Y 2201/704** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)

- [A] EP 0212484 A2 19870304 - GRETSCH UNITAS GMBH [DE]
- [AD] DE 3411189 A1 19851010 - DORMA BAUBESCHLAG [DE]
- [A] DE 4318903 A1 19931209 - LEE MOON HYOUN [KR]
- [A] US 3449789 A 19690617 - RUSSELL FRED J, et al

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EP2886766A1; CN107366488A; CN112012611A; ITUB20155028A1; EP4174270A1; CN116066463A; GB2577541A; CN110965886A; GB2577541B; US11994912B2; WO2017077491A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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