

Title (en)

Pressure operated door actuator.

Title (de)

Druckbeaufschlagte Türbewegungseinrichtung.

Title (fr)

Dispositif de manoeuvre pour portes commandé par compression.

Publication

EP 0116226 A2 19840822 (EN)

Application

EP 83307862 A 19831222

Priority

GB 8300675 A 19830111

Abstract (en)

A pneumatic door actuator in which an actuator rod (5) is driven by a piston (1) working within a cylinder (2), opposite ends (3, 4) of which are selectively pressurised and vented to provide motive effort for the piston (1). If a closing door is temporarily obstructed the pressure in the vented end (3) of the cylinder (2) may drop sufficiently to cause the door to be slammed shut when the obstruction is removed. The appropriate cylinder end (3) is thus vented through a valve (14) which is unseated when the difference between the pressure remaining in the cylinder and the exhaust port vent (11) exceeds a predetermined level. When this pressure difference falls the valve (14) closes trapping the remaining pressure so that it acts as a cushion when piston movement is resumed.

IPC 1-7

E05F 15/02

IPC 8 full level

E05F 15/02 (2006.01)

CPC (source: EP)

E05F 15/50 (2015.01); **E05Y 2900/132** (2013.01)

Cited by

DE4323151C5; GB2385900A; GB2385900B; US6685139B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0116226 A2 19840822; **EP 0116226 A3 19850529**; DK 9784 A 19840712; DK 9784 D0 19840110; GB 2134175 A 19840808; GB 8300675 D0 19830209; GB 8334319 D0 19840201; ZA 839506 B 19840829

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EP 83307862 A 19831222; DK 9784 A 19840110; GB 8300675 A 19830111; GB 8334319 A 19831223; ZA 839506 A 19831221