

Title (en)  
VEHICLE DOOR-STOP DEVICE

Publication  
**EP 0230524 A3 19900418 (DE)**

Application  
**EP 86114587 A 19861021**

Priority  
DE 3602405 A 19860128

Abstract (en)  
[origin: US4797971A] A control mechanism for a door of a motor vehicle is described that is actuated via an inside and outside handle and comprises a piston-cylinder unit arranged between a door post and the vehicle door. It has a piston provided with passage openings for a pressure medium, the piston interacting with an interior valve that separates two working chambers of the cylinder from one another. The control mechanism is equipped with a blocking valve controlling the medium flow, this blocking valve being arranged in a control circuit connecting the two working chambers of the cylinder, acting against the flow direction. This blocking valve, via a control element at a door handle, can be controlled in such a way that the door is blocked in at least one intermediate position. The cylinder has at least one overflow duct between the two working chambers, the flow-through of which is controlled by the piston of the unit. The duct extends over an area into which the piston dips, up to a door opening angle of about 30 DEG, during the initial opening of the door from the closed position. This opens the duct between the working chambers and an unhindered opening of the door becomes possible without an actuating of the door handle.

IPC 1-7  
**E05C 17/30**

IPC 8 full level  
**B60J 5/04** (2006.01); **E05C 17/30** (2006.01); **E05F 3/12** (2006.01)

CPC (source: EP US)  
**E05C 17/305** (2013.01 - EP US); **Y10S 16/10** (2013.01 - US); **Y10S 16/17** (2013.01 - US)

Citation (search report)  
• [A] US 3887961 A 19750610 - SAAJOS JAAKKO  
• [A] DE 2513302 A1 19761007 - STABILUS GMBH

Cited by  
US5410777A; EP3922792A1; GB2277571A; GB2277571B; WO9208028A3; EP3243986B1

Designated contracting state (EPC)  
DE ES FR GB IT NL SE

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**EP 86114587 A 19861021**; DE 3602405 A 19860128; JP 1634487 A 19870128; US 736187 A 19870127