

Title (en)

CONTROL CIRCUIT FOR A PNEUMATICALLY ACTUATED VEHICLE DOOR

Title (de)

STEUERSCHALTUNG FÜR EINE PNEUMATISCH BETÄTIGTE FAHRZEUGTÜR

Title (fr)

CIRCUIT DE COMMANDE DESTINÉ À UNE PORTIÈRE DE VÉHICULE À ACTIONNEMENT PNEUMATIQUE

Publication

**EP 3112696 A1 20170104 (EN)**

Application

**EP 15175242 A 20150703**

Priority

EP 15175242 A 20150703

Abstract (en)

Control circuit for a pneumatically controlled vehicle door comprising a double-acting pneumatic cylinder (9) operable to open and close said door and having a first chamber (10) and a second chamber (11), a main pneumatic control block (5) having a first working port (7) and a second working port (8), a first line (12) connected to the first chamber (10) of the cylinder (9) and constituting a release line in a given movement direction of the cylinder (9) corresponding to a first movement direction of the door, and a second line (13) connected to the second chamber (11) of the cylinder (9) and constituting a filling line in said movement direction; circuit (1) comprises a safety device (42) configured to connect the first line (12) to the first working port (7) in normal operation and to connect the first line (12) to the second line (13) in response to a control signal identifying that the door is blocked by an obstacle in said first direction of movement of the door.

IPC 8 full level

**F15B 11/024** (2006.01); **E05F 15/49** (2015.01); **F15B 13/02** (2006.01); **F15B 13/10** (2006.01); **F15B 20/00** (2006.01)

CPC (source: EP)

**E05F 15/49** (2015.01); **F15B 11/024** (2013.01); **F15B 13/021** (2013.01); **F15B 13/10** (2013.01); **F15B 20/00** (2013.01); **E05F 15/565** (2015.01); **F15B 2011/0243** (2013.01); **F15B 2211/6313** (2013.01); **F15B 2211/8603** (2013.01)

Citation (search report)

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- [X] US 2013305916 A1 20131121 - BROMAN NELSON [US]
- [A] FR 2971202 A1 20120810 - PEUGEOT CITROEN AUTOMOBILES SA [FR]
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- [A] WO 0014413 A1 20000316 - ALFA LAVAL AGRI AB [SE], et al

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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)

**EP 3112696 A1 20170104**; **EP 3112696 B1 20180502**; **EP 3112696 B8 20180627**; ES 2680627 T3 20180910

DOCDB simple family (application)

**EP 15175242 A 20150703**; ES 15175242 T 20150703