

Title (en)
Opening device

Title (de)
Öffnungseinrichtung

Title (fr)
Dispositif d'ouverture

Publication
EP 1738994 B1 20151021 (DE)

Application
EP 06010023 A 20060516

Priority
DE 102005030054 A 20050627

Abstract (en)
[origin: EP1738994A2] The device has a gas spring (1) hinged at a rear flap of a vehicle body with a piston rod (3) and a pressure pipe (2) at a distance to a swivel axis. An energy storage (4) force impinges the flap in its clamping position during its opening strokes from a closing position until reaching a release position of the storage. The storage is arranged in the rod, and the pipe movably and forcibly impinges in the driving direction of the piston rod.

IPC 8 full level
E05F 15/611 (2015.01)

CPC (source: EP US)
E05F 1/1016 (2013.01 - EP); **E05F 1/1058** (2013.01 - EP US); **E05F 1/1091** (2013.01 - EP US); **E05F 15/616** (2015.01 - EP US); **E05F 15/622** (2013.01 - EP US); **E05Y 2201/22** (2013.01 - EP US); **E05Y 2201/484** (2013.01 - EP US); **E05Y 2201/499** (2024.05 - EP US); **E05Y 2201/654** (2013.01 - EP US); **E05Y 2400/44** (2013.01 - EP US); **E05Y 2900/546** (2013.01 - EP US)

Citation (examination)
US 6018912 A 20000201 - BAUGHMAN ROBERT WAYNE [US], et al

Cited by
EP3231977A1; ITUA20162642A1; US10138669B2; WO2020038528A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 1738994 A2 20070103; EP 1738994 A3 20130619; EP 1738994 B1 20151021; DE 102005030054 A1 20061228;
DE 102005030054 B4 20090402; JP 2007009684 A 20070118; JP 4562696 B2 20101013; US 2007007796 A1 20070111;
US 7798556 B2 20100921

DOCDB simple family (application)
EP 06010023 A 20060516; DE 102005030054 A 20050627; JP 2006175817 A 20060626; US 47459606 A 20060626