

Title (en)  
Actionneur pyrotechnique amorti

Title (de)  
Gedämpfter pyrotechnischer Aktuator

Title (fr)  
Dampened pyrotechnical actuator

Publication  
**EP 2546531 A3 20130911 (DE)**

Application  
**EP 12176373 A 20120713**

Priority  
DE 102011107543 A 20110715

Abstract (en)  
[origin: EP2546531A2] The actuator (1) has an axially movable piston (3) with a piston rod (4) arranged in an actuator housing (2). The piston is movable by compressed gas-generating pyrotechnic propellant (8) filled within the housing. The piston is held by a fixing system (6) in an initial position until reaching predetermined pressure. An inner space of the housing on a side of the piston opposite to a pressure chamber is partly filled with liquid (7). The liquid is retained in the housing by a tight closure (5). The closure allows flow of the liquid from the housing when exceeding the predetermined pressure. The fixing system is mechanical, electrical or magnetic fixing system in form of a shearing disk.

IPC 8 full level  
**F15B 15/19** (2006.01); **F15B 15/22** (2006.01)

CPC (source: EP)  
**F15B 15/19** (2013.01); **F15B 15/22** (2013.01)

Citation (search report)

- [XAI] US 2005035608 A1 20050217 - LARSEN ALAN R [US], et al
- [A] US 2857890 A 19581028 - STOTT ALBERT M
- [A] US 2873726 A 19590217 - STOTT ALBERT M

Cited by  
JP2015098230A; EP2878915A1; CN107448436A; AT525076A4; AT525076B1; DE202013010972U1; WO2023102589A1

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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DOCDB simple family (application)  
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