

Title (en)

Pyrotechnical actuator with a charge comprising an oxidizer and a dissociated reducing agent

Title (de)

Pyrotechnischer Aktuator mit einer Ladung enthaltend ein Oxidationsmittel und ein dissoziiertes Reduktionsmittel

Title (fr)

Actionneur pyrotechnique muni d'une charge comprenant un oxydant et un réducteur dissociés

Publication

EP 1637511 B1 20180516 (FR)

Application

EP 05291744 A 20050818

Priority

FR 0409721 A 20040914

Abstract (en)

[origin: EP1637511A2] The actuator (1), consisting of ignition system (3) and energy charge, has latter made from reducing material (I)(4) and separate oxidant fluid (II)(2). The flow of oxidant is controlled by pyrotechnic valve (11) and regulating valve (12). The actuator (1), consisting of ignition system (3) and energy charge, has latter made from reducing material (I)(4) and separate oxidant fluid (II)(2). (I) can be polymer, synthetic or natural resin, metal or wax in shape of cylindrical block with through channel(s). (II) can be oxygen peroxide, hydroxylamine nitrate or gas mixture made principally of oxygen. The flow of oxidant is controlled by pyrotechnic valve (11) and regulating valve (12).

IPC 8 full level

F15B 15/19 (2006.01); **B60R 21/26** (2011.01); **C06B 45/00** (2006.01); **C06D 5/10** (2006.01)

CPC (source: EP US)

C06B 45/00 (2013.01 - EP US); **C06D 5/10** (2013.01 - EP US); **F15B 15/19** (2013.01 - EP US)

Citation (examination)

US 5579636 A 19961203 - ROSENFELD GARY C [US]

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CN110749251A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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