

Title (en)

Method of defence of a vehicle or a structure against a threat such as a projectile and device to carry out said method

Title (de)

Verfahren zur Verteidigung eines Wagens oder einer Anlage gegen eine Bedrohung wie ein Geschoss und Vorrichtung zur Durchführung dieses Verfahrens

Title (fr)

Procédé de défense d'un véhicule ou d'une structure contre une menace telle un projectile et dispositif de défense mettant en oeuvre ce procédé

Publication

**EP 1462756 B1 20081015 (FR)**

Application

**EP 04290522 A 20040226**

Priority

- FR 0302511 A 20030228
- FR 0302512 A 20030228

Abstract (en)

[origin: EP1462756A1] The double acting pyrotechnic actuator (1) incorporates two pyrotechnic charges (8a,8b) each connected to distinct chambers (4a,4b) separated by a piston (5). The actuator positioning method consists of successively controlling the two charges in sequence so as to ensure, by the action of the second charge, a braking of the piston displacement which was controlled by the first charge. The time gap between the initiation of each charge is chosen to ensure the desired positioning of the piston. Independent claims are included for a pyrotechnic actuator and a vehicle defense device implementing the method.

IPC 8 full level

**F41H 11/02** (2006.01); **F15B 11/048** (2006.01); **F15B 15/12** (2006.01); **F15B 15/19** (2006.01); **F15B 15/22** (2006.01); **F41A 27/20** (2006.01); **F41A 27/22** (2006.01); **F41A 27/24** (2006.01); **F41A 27/26** (2006.01)

CPC (source: EP)

**F15B 11/048** (2013.01); **F15B 15/12** (2013.01); **F15B 15/19** (2013.01); **F15B 15/22** (2013.01); **F41A 27/20** (2013.01); **F41A 27/22** (2013.01); **F41A 27/24** (2013.01); **F41A 27/26** (2013.01); **F41H 11/02** (2013.01); **F15B 2211/218** (2013.01); **F15B 2211/27** (2013.01); **F15B 2211/6306** (2013.01); **F15B 2211/6346** (2013.01); **F15B 2211/665** (2013.01); **F15B 2211/6652** (2013.01); **F15B 2211/7053** (2013.01); **F15B 2211/7054** (2013.01); **F15B 2211/7058** (2013.01); **F15B 2211/755** (2013.01); **F15B 2211/765** (2013.01)

Cited by

CN102147216A; FR3069292A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1462756 A1 20040929**; **EP 1462756 B1 20081015**; AT E411505 T1 20081015; DE 602004017072 D1 20081127

DOCDB simple family (application)

**EP 04290522 A 20040226**; AT 04290522 T 20040226; DE 602004017072 T 20040226