

Title (en)

Device for simultaneously deploying control surfaces of a projectile

Title (de)

Vorrichtung zum simultanen Ausklappen von Steuerflächen eines Geschosses

Title (fr)

Dispositif de déploiement simultané de gouvernes d'un projectile

Publication

EP 2354755 B1 20121107 (FR)

Application

EP 11290029 A 20110119

Priority

FR 1000344 A 20100128

Abstract (en)

[origin: EP2354755A1] The device (4) has an elastic unit (11) i.e. spring, ensuring the deployment of control surfaces (2a, 2c), where expansion of the elastic unit generates a push stress directed along an axis of the projectile. A releasable locking unit (13) maintains the elastic unit in a compressed position, where the locking unit is constituted by a substantially cylindrical ferrule that separates a push plate (12) of toothed slides e.g. racks, when the elastic unit is compressed. Another releasable locking unit holds the control surfaces in a retracted position.

IPC 8 full level

F42B 10/14 (2006.01); **F42B 10/64** (2006.01)

CPC (source: EP US)

F42B 10/14 (2013.01 - EP US); **F42B 10/64** (2013.01 - EP US)

Cited by

FR3054030A1; EP2796828A1; US11079206B2; WO2018015367A1; US9429402B2

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

DOCDB simple family (publication)

EP 2354755 A1 20110810; **EP 2354755 B1 20121107**; ES 2398733 T3 20130321; FR 2955653 A1 20110729; PL 2354755 T3 20130329; US 2011180655 A1 20110728; US 8592737 B2 20131126

DOCDB simple family (application)

EP 11290029 A 20110119; ES 11290029 T 20110119; FR 1000344 A 20100128; PL 11290029 T 20110119; US 201113008454 A 20110118