

Title (en)

SAFING AND ARMING DEVICE FOR A NOSE MOUNTED FUZE AND FUZE COMPRISING SUCH A DEVICE

Title (de)

SICHERUNGS- UND SCHARFSTELLUNGSEINRICHTUNG FÜR EINEN GESCHOSSZÜNDER, UND ZÜNDER, DER EINE SOLCHE VORRICHTUNG UMFASST

Title (fr)

DISPOSITIF DE SÉCURITÉ ET D'ARMEMENT POUR UNE FUSÉE D'OGIVE ET FUSÉE COMPORTANT UN TEL DISPOSITIF

Publication

**EP 3121553 B1 20171227 (FR)**

Application

**EP 16177301 A 20160630**

Priority

FR 1501604 A 20150724

Abstract (en)

[origin: US2017138714A1] A safety and arming device for an instant impact point fuse for a gyratory projectile and a fuse equipped with such a device. The device includes a rotor carrying a primer held in a safe, non-aligned position with respect to a striker by a sleeve pressed against a flat spot of the rotor. The device also includes a flyweight that, when subjected to the longitudinal acceleration resulting from the shot, exerts a pushing force on a first end of at least one lever, the second end of the at least one lever being located below a collar of the sleeve. The pushing force of the flyweight causes the lever(s) to pivot about a pivot point, the pivoting of the lever then separates the sleeve from the flat spot of the rotor permanently, releasing the rotor.

IPC 8 full level

**F42C 15/00** (2006.01); **F42C 15/192** (2006.01); **F42C 15/24** (2006.01)

CPC (source: EP US)

**F42C 15/005** (2013.01 - EP US); **F42C 15/192** (2013.01 - EP US); **F42C 15/196** (2013.01 - US); **F42C 15/24** (2013.01 - EP US)

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 3121553 A1 20170125**; **EP 3121553 B1 20171227**; ES 2659813 T3 20180319; FR 3039267 A1 20170127; FR 3039267 B1 20170714; NO 3121553 T3 20180526; PT 3121553 T 20180226; US 10041775 B2 20180807; US 2017138714 A1 20170518

DOCDB simple family (application)

**EP 16177301 A 20160630**; ES 16177301 T 20160630; FR 1501604 A 20150724; NO 16177301 A 20160630; PT 16177301 T 20160630; US 201615217417 A 20160722