

Title (en)

ACTUATING DEVICE FOR EJECTING AT LEAST ONE REMOVABLE PART OF A MISSILE, IN PARTICULAR A FAIRING

Title (de)

BETÄTIGUNGSVORRICHTUNG FÜR DEN ABWURF MINDESTENS EINES LÖSBAREN TEILS EINES FLUGKÖRPERS, INSBESONDERE EINER HAUBE

Title (fr)

DISPOSITIF D'ACTIONNEMENT POUR L'ÉJECTION D'AU MOINS UNE PARTIE AMOVIBLE DE MISSILE, EN PARTICULIER D'UNE COIFFE

Publication

EP 3396300 B1 20191225 (FR)

Application

EP 18290030 A 20180410

Priority

FR 1700467 A 20170428

Abstract (en)

[origin: WO2018197760A1] – The device (7) is a one-piece assembly which comprises a pyrotechnic actuator (9) comprising a pyrotechnic charge (12) able to generate an overpressure and a piston (14) configured to move in a longitudinal direction so that one of the ends of the piston (14) can act on the removable part of the missile, at least one retaining rod (10A, 10B), and at least one thermal insulation element (11A, 11B, 11C) arranged in such a way as to thermally insulate at least the pyrotechnic charge (12), the pyrotechnic actuator (9) being configured to generate a force capable of breaking the retaining rod (10A, 10B), a first end of the retaining rod (10A, 10B) and one end of the pyrotechnic actuator (9) being secured to a securing element (18) belonging to the missile, and a second end, opposite to the first end, of the retaining rod (10A, 10B) being secured to a securing element belonging to the removable part of the missile.

IPC 8 full level

F42B 15/34 (2006.01); **F42B 15/36** (2006.01)

CPC (source: EP IL US)

F42B 15/34 (2013.01 - EP IL US); **F42B 15/36** (2013.01 - EP IL US)

Cited by

CN112284196A; FR3138203A1; WO2024017767A1

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 3396300 A1 20181031; **EP 3396300 B1 20191225**; ES 2775446 T3 20200727; FR 3065798 A1 20181102; IL 269773 A 20191128; IL 269773 B1 20231201; IL 269773 B2 20240401; JP 2020517882 A 20200618; JP 7029470 B2 20220303; PL 3396300 T3 20200629; US 10942015 B2 20210309; US 2020109929 A1 20200409; WO 2018197760 A1 20181101

DOCDB simple family (application)

EP 18290030 A 20180410; ES 18290030 T 20180410; FR 1700467 A 20170428; FR 2018000078 W 20180410; IL 26977319 A 20191002; JP 2019554635 A 20180410; PL 18290030 T 20180410; US 201816500486 A 20180410