

Title (en)

SEPARABLE STREAMLINED NOSE CONE FOR A GUIDED MUNITION, AND GUIDED MUNITION INCLUDING SUCH A NOSE CONE

Title (de)

ABTRENNBARER STROMLINIENFÖRMIGER NASENKONUS FÜR GELENKTE MUNITION UND GELENKTE MUNITION MIT EINEM DERARTIGEN NASENKONUS

Title (fr)

COIFFE AERODYNAMIQUE SECABLE POUR MUNITION GUIDEE ET MUNITION GUIDEE COMPORTANT UNE TELLE COIFFE

Publication

**EP 2633261 A1 20130904 (FR)**

Application

**EP 11775941 A 20111025**

Priority

- FR 1004269 A 20101029
- EP 2011068688 W 20111025

Abstract (en)

[origin: WO2012059369A1] The invention relates to a separable ejectable protective nose cone for a guided munition including a cylindrical munition body (10) having a longitudinal axis ZZ' and a front end (12) comprising a central region to be directed toward a target of the munition. The nose cone includes, at the front end (12) of the munition body and covering said front end (12), n contiguous identically-shaped nose-cone portions (C2) distributed about said longitudinal axis ZZ', each nose-cone portion (C2) being provided with a respective pyrotechnic squib (32). Each pyrotechnic squib comprises a pyrotechnic squib body (40) rigidly connected to the munition body (10), a pusher piston (42) contacting the respective nose-cone portion. The simultaneous activation of the n pyrotechnic squibs separates the edges of the nose-cone portions from the respective assembly plane thereof so as to free the front end (12) of the munition body. The invention can be used for guided munitions such as rockets or projectiles, or missiles.

IPC 8 full level

**F42B 10/46** (2006.01); **F42B 15/36** (2006.01); **B64C 1/38** (2006.01)

CPC (source: EP US)

**B64C 1/38** (2013.01 - US); **F42B 10/46** (2013.01 - EP US); **F42B 15/36** (2013.01 - EP US)

Citation (search report)

See references of WO 2012059369A1

Cited by

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)

**FR 2966919 A1 20120504**; **FR 2966919 B1 20131101**; EP 2633261 A1 20130904; IL 226021 A0 20130627; US 2013264425 A1 20131010; WO 2012059369 A1 20120510

DOCDB simple family (application)

**FR 1004269 A 20101029**; EP 11775941 A 20111025; EP 2011068688 W 20111025; IL 22602113 A 20130428; US 201113882398 A 20111025