

Title (en)

METHOD FOR PRODUCING A LARGE-CALIBER WARHEAD, AND WARHEAD PRODUCED ACCORDING TO SAID METHOD

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES GROSSKALIBRIGEN GEFECHTSKOPFES UND GEFECHTSKOPF, HERGESTELLT NACH DIESEM VERFAHREN

Title (fr)

PROCÉDÉ SERVANT À FABRIQUER UNE OGIVE À GROS CALIBRE ET OGIVE FABRIQUÉE SELON LE PROCÉDÉ ASSOCIÉ

Publication

**EP 3114426 A1 20170111 (DE)**

Application

**EP 15707987 A 20150306**

Priority

- DE 102014103105 A 20140307
- EP 2015054713 W 20150306

Abstract (en)

[origin: WO2015132381A1] The invention relates to a method for producing a large-caliber warhead (1) with a warhead casing (2) which surrounds an explosive charge (6) made of a plastic-bonded explosive. A compensation layer (8) made of an elastic material is arranged between the explosive charge (6) and the inner wall (7) of the warhead casing (2). In order to allow the compensation layer (8) to lie on the inner wall (7) of the warhead casing (2) in an exact manner, a double inner coating is provided as the compensation layer (8) between the explosive charge (6) and the inner wall (7) of the warhead casing (2). The first coating (9), which rests against the inner wall (7) of the warhead casing (2), is used as a binding coating with a low adhesive capability. The subsequent second coating (10) has the same chemical composition as the plastic binder of the explosive charge (6). A low adhesive bond, which is intentionally broken upon the temperature-dependent volumetric expansion/shrinkage of the explosive, is produced between a first (adhesion-reduced) anticorrosive paint and a second "binder coating".

IPC 8 full level

**F42B 12/80** (2006.01); **F42B 12/20** (2006.01); **F42B 33/02** (2006.01)

CPC (source: EP)

**F42B 12/207** (2013.01); **F42B 12/80** (2013.01); **F42B 33/0214** (2013.01)

Citation (search report)

See references of WO 2015132381A1

Cited by

US2021055089A1; US11766809B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102014103105 B3 20141204**; DK 3114426 T3 20180716; EP 3114426 A1 20170111; EP 3114426 B1 20180502; ES 2678368 T3 20180810; LT 3114426 T 20180710; PL 3114426 T3 20181031; WO 2015132381 A1 20150911

DOCDB simple family (application)

**DE 102014103105 A 20140307**; DK 15707987 T 20150306; EP 15707987 A 20150306; EP 2015054713 W 20150306; ES 15707987 T 20150306; LT 15707987 T 20150306; PL 15707987 T 20150306