

Title (en)

Device and method for air-tight covering of a tracer or the like

Title (de)

Vorrichtung und Verfahren zur luftdichten Abdeckung einer Leuchtspur oder dergleichen

Title (fr)

Dispositif et procédé de confinement hermétique d'un traceur ou équivalent

Publication

**EP 2515068 B1 20160120 (DE)**

Application

**EP 12161545 A 20120327**

Priority

DE 102011018475 A 20110421

Abstract (en)

[origin: EP2515068A2] The device has light trace portions (2,3) that are merged in a hole (11). A punching portion is covered by an outer contour surface. A cover (6) is deformed by the forward movement and/or the axial movement of the punching portion so that the cover is fixed in a groove contour portion (8) of a projectile structure (10). The punching portion is made of metal. An independent claim is included for method for sealing hole in projectile portion using cover.

IPC 8 full level

**F42B 12/38** (2006.01); **F42B 33/00** (2006.01)

CPC (source: EP US)

**F42B 10/40** (2013.01 - EP US); **F42B 12/38** (2013.01 - EP US); **F42B 33/001** (2013.01 - EP US)

Citation (examination)

- US 4987672 A 19910129 - HONDA SHUNITI [JP], et al
- FR 498380 A 19200109 - SAMUEL DEWEY CUSHING [US]
- US 4249466 A 19810210 - DIEWALD GUNTHER [CH], et al
- GB 191229393 A 19130529 - MELLERSH-JACKSON WILLIAM JOHN [GB]

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 2515068 A2 20121024; EP 2515068 A3 20130327; EP 2515068 B1 20160120**; DE 102011018475 A1 20121025; EP 3002543 A1 20160406; US 2012312148 A1 20121213; US 9188415 B2 20151117

DOCDB simple family (application)

**EP 12161545 A 20120327**; DE 102011018475 A 20110421; EP 15194890 A 20120327; US 201213452027 A 20120420