

Title (en)

Tube-launched projectiles with an over-calibre fin unit

Title (de)

Aus einem Rohr zu verschiessender Flugkörper mit überkalibrigem Leitwerk

Title (fr)

Projectiles à empennage sur-calibré lancés à partir d'un canon

Publication

**EP 1321737 A3 20040512 (DE)**

Application

**EP 02027993 A 20021214**

Priority

DE 10162136 A 20011218

Abstract (en)

[origin: EP1321737A2] Missile (12) for shooting out of a pipe comprises a tail unit (14) at the rear (10) which is moved from a sub-caliber position into a super-caliber functional position. A securing pot (18) having a pot casing (22) and a pot base (24) is temporarily fixed on the rear so that the tail unit is held in its sub-caliber position by the pot casing and so that a pressure chamber (32) is formed between the rear end surface (26) of the missile and the pot base. The pot base has at least one propellant gas inlet (34) opening into the pressure chamber. <??>Preferred Features: The pot casing is sealed in a pressure-tight manner against the rear of the missile using at least one sealing ring (40) arranged behind the tail unit.

IPC 1-7

**F42B 10/14**; **F42B 10/20**

IPC 8 full level

**F42B 10/18** (2006.01); **F42B 10/20** (2006.01)

CPC (source: EP US)

**F42B 10/18** (2013.01 - EP US); **F42B 10/20** (2013.01 - EP US)

Citation (search report)

- [X] DE 19944379 A1 20010322 - RHEINMETALL W & M GMBH [DE]
- [X] WO 0179779 A1 20011025 - BOFORS DEFENCE AB [SE], et al
- [A] WO 9843038 A1 19981001 - BOFORS AB [SE], et al

Cited by

CN101903739A; US8097838B2; US7829830B1; WO2009051866A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

**EP 1321737 A2 20030625**; **EP 1321737 A3 20040512**; DE 10162136 A1 20030710; DE 10162136 B4 20041014; US 2004004156 A1 20040108; US 6769643 B2 20040803

DOCDB simple family (application)

**EP 02027993 A 20021214**; DE 10162136 A 20011218; US 31568102 A 20021210