

Title (en)
NON-PENETRATING PROJECTILE

Title (de)
NICHTDURCHDRINGENDES GESCHOSS

Title (fr)
PROJECTILE NON PENETRANT

Publication
EP 1307700 B1 20060412 (EN)

Application
EP 01951816 A 20010724

Priority

- GB 0103320 W 20010724
- GB 0018593 A 20000728
- GB 0028371 A 20001121
- GB 0028961 A 20001128

Abstract (en)
[origin: WO0210671A1] A non-lethal projectile or a projectile for delivery of a substance (optional) has a tubular body casing (1) which surrounds a compartment (2) for containment of the substance. The compartment (2) coaxially supports a hollow tube (5) projecting forward within an ogival nose cap (8). An inflatable membrane (7) is located within the nose cap (8). On target impact the nose is displaced and permits a small amount of substance from compartment (2) to bleed through opening (6) allowing piston (4) to move forward uncovering ports (16). This action allows pressure gas to pass through the ports (16) and ducts to inflate the membrane (7). The piston is also free to move forward to discharge the substance through needle (5). The bag (7) thus expands rapidly and prevents excess penetration whilst spreading the impact energy over a wide area. The construction avoids the need for a charge to be contained within the projectile itself.

IPC 8 full level
F42B 12/54 (2006.01); **A61D 7/00** (2006.01); **F42B 10/48** (2006.01); **F42B 12/34** (2006.01)

CPC (source: EP)
F42B 12/34 (2013.01); **F42B 12/54** (2013.01)

Cited by
US10935355B2; WO2018029465A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0210671 A1 20020207; AT E323274 T1 20060415; AU 2001272665 B2 20040916; AU 7266501 A 20020213; CA 2417602 A1 20020207; CA 2417602 C 20090707; CN 100374810 C 20080312; CN 1466672 A 20040107; CZ 299005 B6 20080402; DE 60118753 D1 20060524; DE 60118753 T2 20070125; DK 1307700 T3 20060717; EP 1307700 A1 20030507; EP 1307700 B1 20060412; ES 2261440 T3 20061116; GB 0118011 D0 20010919; GB 2365100 A 20020213; GB 2365100 B 20050112; GB 2365100 C 20080313; IL 154032 A0 20030731; IL 154032 A 20070704; JP 2004505230 A 20040219; NZ 523823 A 20040924

DOCDB simple family (application)
GB 0103320 W 20010724; AT 01951816 T 20010724; AU 2001272665 A 20010724; AU 7266501 A 20010724; CA 2417602 A 20010724; CN 01816184 A 20010724; CZ 2003222 A 20010724; DE 60118753 T 20010724; DK 01951816 T 20010724; EP 01951816 A 20010724; ES 01951816 T 20010724; GB 0118011 A 20010724; IL 15403201 A 20010724; IL 15403203 A 20030119; JP 2002516556 A 20010724; NZ 52382301 A 20010724