

Title (en)
Projectile and manufacturing method therefor

Title (de)
Geschoss und Verfahren zu dessen Herstellung

Title (fr)
Projectile et son procédé de fabrication

Publication
EP 0853228 B1 20020306 (DE)

Application
EP 97122652 A 19971222

Priority
CH 6197 A 19970114

Abstract (en)
[origin: EP0853228A1] In an artillery shell, the outer surface of the cylindrical section (2) of the shell casing forms the trailing section of the outer surface of the mantle (1). The centering system (5,9) to take and hold the solid shot body (6) is within the pointed end (3) of the shell. The pointed end (3) and/or the sealing base body (15) are of injection moulded thermoplastic material, of high heat resistance, with glass fibre reinforcement. Also claimed is a process where the pointed end (3) and cylindrical section (2) are initially injection moulded with anchored casing ridges (4). In a second step, the solid shot payload (6) is inserted into the casing through the open trailing end into the centering structure (5,9) at the shell point (3). In a final step, the open trailing end is closed and sealed by the insertion of a base body (15).

IPC 1-7
F42B 12/78

IPC 8 full level
B29C 45/14 (2006.01); **F42B 10/16** (2006.01); **F42B 12/06** (2006.01); **F42B 12/72** (2006.01); **F42B 12/78** (2006.01); **F42B 14/06** (2006.01)

CPC (source: EP KR US)
F42B 12/06 (2013.01 - KR); **F42B 12/74** (2013.01 - KR); **F42B 12/78** (2013.01 - EP US); **F42B 33/00** (2013.01 - KR)

Cited by
KR100529283B1; EP0999426A1; DE102005039901B4; DE102015005982A1; DE102004005042A1; DE102004005042B4; WO2007022838A1; US6324986B1; US7503261B2; WO2005073664A1

Designated contracting state (EPC)
BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)
EP 0853228 A1 19980715; EP 0853228 B1 20020306; CA 2223516 A1 19980714; CA 2223516 C 20050524; CZ 11498 A3 19990113; CZ 284833 B6 19990317; DE 59706552 D1 20020411; ES 2171823 T3 20020916; JP H10206097 A 19980807; KR 100529283 B1 20060316; KR 19980070318 A 19981026; NO 317407 B1 20041025; NO 980151 D0 19980113; NO 980151 L 19980715; PL 186910 B1 20040331; PL 324281 A1 19980720; SG 55447 A1 19981221; US 6119600 A 20000919; ZA 9885 B 19980708

DOCDB simple family (application)
EP 97122652 A 19971222; CA 2223516 A 19971231; CZ 11498 A 19980114; DE 59706552 T 19971222; ES 97122652 T 19971222; JP 463598 A 19980113; KR 19970082257 A 19971231; NO 980151 A 19980113; PL 32428198 A 19980114; SG 1997005579 A 19971229; US 585098 A 19980112; ZA 9885 A 19980106