

Title (en)

Large-calibre long range projectile for artillery

Title (de)

Grosskalibriges und weitreichendes Artilleriegeschoss

Title (fr)

Projectile d'artillerie de campagne de gros calibre à longue portée

Publication

**EP 0905473 B1 20030205 (FR)**

Application

**EP 98117137 A 19980910**

Priority

FR 9711835 A 19970924

Abstract (en)

[origin: EP0905473A1] The forward end (3) of the projectile has an additional guide shoe (4) which is made from at least two segments (7). The segments are connected temporarily to the body (2) of the projectile by pins which shear as a result of the relative recoil as the projectile accelerates inside the barrel of the gun on firing, and are ejected as it leaves the barrel. The additional forward guide shoe has an inner surface matching the outer surface of the corresponding section of the projectile, with an axial gap between the two at the nose end of the projectile to permit the relative recoil. The rear guide shoe (6) is positioned so that it holds the deployable stabilizers (12) in their retracted position until the rear shoe has left the barrel, when it is ejected by a pyrotechnic charge, rupturing along lengthwise fracture lines.

IPC 1-7

**F42B 14/06**; **F42B 14/02**; **F42B 14/08**

IPC 8 full level

**F42B 14/02** (2006.01); **F42B 14/06** (2006.01); **F42B 14/08** (2006.01)

CPC (source: EP US)

**F42B 14/02** (2013.01 - EP US); **F42B 14/061** (2013.01 - EP US); **F42B 14/064** (2013.01 - EP US); **F42B 14/08** (2013.01 - EP US)

Cited by

FR2847033A1; EP1693645A1; RU2753294C1; EP3150957A1; RU2646881C1; EP1422587A1; EP1480000A1; FR2855258A1; EP1949019A4; FR2882430A1; US6748871B2; US6880468B2; EP3715772A1; FR3094475A1; WO0235176A1; WO2011137958A1; WO0214779A1; WO02086411A1; US6886774B2; US10401134B2; US10788297B2; WO2021151791A1; US7989742B2; EP2009387A1; FR2918168A1; US7105790B2; WO2019211716A1; EP2336711A1; US8333153B2; FR2911954A1; EP1953494A1

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

**EP 0905473 A1 19990331**; **EP 0905473 B1 20030205**; DE 69811170 D1 20030313; DE 69811170 T2 20030724; FR 2768809 A1 19990326; FR 2768809 B1 19991015; US 6234082 B1 20010522

DOCDB simple family (application)

**EP 98117137 A 19980910**; DE 69811170 T 19980910; FR 9711835 A 19970924; US 15855098 A 19980922