

Title (en)
PROJECTILE OR WARHEAD

Title (de)
GESCHOSS ODER GEFECHTSKOPF

Title (fr)
PROJECTILE OU OGIVE

Publication
EP 1893935 B1 20081105 (DE)

Application
EP 05763381 A 20050621

Priority
EP 2005006678 W 20050621

Abstract (en)
[origin: WO2006136185A1] The aim of the invention is to obtain great final ballistic effectiveness of fragmentation bullets and warheads regardless of the impact speed while using as little explosive material as possible. Said aim is achieved by combining an explosive shell (3) with a damming inner member (4) in connection with an accelerated outer jacket (2). This arrangement results in the best possible conversion of the explosive energy while offering great creative flexibility regarding the design. A wide range of additional possible effects is created by blast-compacting the inner damming member (4). Furthermore, the shape of the inner damming member allows the fragments to obtain a directionally controlled effect. Depending on the caliber and technical design, the amount of explosive material used can be reduced by 50 to 80 percent compared to conventional explosive bullets at comparable fragment speeds or sub-bullet speeds. The explosive material economized is available as additional effective mass. The accelerated jacket (2) can also be entirely or partly composed of preformed fragments or sub-bullets.

IPC 8 full level
F42B 12/20 (2006.01)

CPC (source: EP KR US)
F42B 12/20 (2013.01 - KR); **F42B 12/204** (2013.01 - EP US); **F42B 12/208** (2013.01 - EP US)

Cited by
EP3034990B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
HR YU

DOCDB simple family (publication)
WO 2006136185 A1 20061228; AT E413581 T1 20081115; AU 2005333448 A1 20061228; AU 2005333448 B2 20110915; CA 2611169 A1 20061228; CA 2611169 C 20100216; CN 101273243 A 20080924; DE 502005005922 D1 20081218; EP 1893935 A1 20080305; EP 1893935 B1 20081105; ES 2317272 T3 20090416; IL 187964 A0 20080320; IL 187964 A 20120731; KR 101255872 B1 20130417; KR 20080019293 A 20080303; NO 20080336 L 20080312; NO 338274 B1 20160808; US 2010199875 A1 20100812

DOCDB simple family (application)
EP 2005006678 W 20050621; AT 05763381 T 20050621; AU 2005333448 A 20050621; CA 2611169 A 20050621; CN 200580050215 A 20050621; DE 502005005922 T 20050621; EP 05763381 A 20050621; ES 05763381 T 20050621; IL 18796407 A 20071206; KR 20087001189 A 20050621; NO 20080336 A 20080116; US 99383905 A 20050621