

Title (en)
Spin-stabilised artillery projectile

Title (de)
Drallstabilisiertes Artillerieprojektil

Title (fr)
Projectile stabilisé par rotation

Publication
EP 1783451 A3 20070829 (DE)

Application
EP 06022695 A 20061031

Priority
DE 102005052474 A 20051103

Abstract (en)
[origin: EP1783451A2] A spin-stabilized artillery projectile (10) has a projectile detonator (14) provided in an ogive (12) of the projectile; a radially deployed brake device (16) provided in the ogive for reduction of a longitudinal deviation (A o, A r) of the projectile in a target area; and a number of impulse elements (24) distributed around a circumference of the projectile to reduce a lateral deviation (B o, B r) of the projectile in the target area. The impulse elements are formed by pyrotechnic force elements (18) associated with a front ring area (20) of a shroud (22) covering the brake device.

IPC 8 full level
F42B 10/50 (2006.01)

CPC (source: EP US)
F42B 10/50 (2013.01 - EP US); **F42B 10/661** (2013.01 - EP US)

Citation (search report)

- [XDAY] DE 10143312 C1 20030618 - DIEHL MUNITIONSSYSTEME GMBH [DE]
- [YA] US 5054712 A 19911008 - BAR KLAUS [DE], et al
- [Y] US 5456429 A 19951010 - MAYERSAK JOSEPH R [US]
- [AD] EP 1103779 A1 20010530 - DIEHL MUNITIONSSYSTEME GMBH [DE]

Cited by
FR3035205A1; WO2016169760A1

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1783451 A2 20070509; EP 1783451 A3 20070829; EP 1783451 B1 20081217; AT E418059 T1 20090115; DE 102005052474 B3 20070712; DE 502006002369 D1 20090129; ES 2317401 T3 20090416; US 2007095238 A1 20070503; US 7360490 B2 20080422

DOCDB simple family (application)
EP 06022695 A 20061031; AT 06022695 T 20061031; DE 102005052474 A 20051103; DE 502006002369 T 20061031; ES 06022695 T 20061031; US 58690706 A 20061026