

Title (en)  
Launching apparatus for projectiles

Title (de)  
Abschiessvorrichtung für Geschosse

Title (fr)  
Dispositif de tir de projectiles

Publication  
**EP 1617163 B1 20111214 (FR)**

Application  
**EP 05291410 A 20050630**

Priority  
FR 0407963 A 20040716

Abstract (en)  
[origin: EP1617163A1] The device has a base (4) mounted on a turret (6) and tiltable around a horizontal axis (7), where the tilting is controlled by a motor unit. The turret rotates relative to a platform (2) around a vertical axis (8) by the control of another motor unit. The base is horizontally tilted on both sides of a median position in which missile launching tubes (5) are found oriented with their vertical axes (5a).

IPC 8 full level  
**F41A 27/28** (2006.01); **F41A 19/68** (2006.01); **F41A 27/08** (2006.01)

CPC (source: EP US)  
**F41A 19/68** (2013.01 - EP US); **F41A 27/08** (2013.01 - EP US); **F41A 27/28** (2013.01 - EP US)

Cited by  
EP1816428A1; EP2131138A3; DE102010051661A1; WO2009000380A1; WO2011060767A1

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

DOCDB simple family (publication)  
**EP 1617163 A1 20060118; EP 1617163 B1 20111214**; AT E537418 T1 20111215; ES 2375567 T3 20120302; FR 2873194 A1 20060120; FR 2873194 B1 20071123; PL 1617163 T3 20120531; US 2006288857 A1 20061228; US 7237468 B2 20070703

DOCDB simple family (application)  
**EP 05291410 A 20050630**; AT 05291410 T 20050630; ES 05291410 T 20050630; FR 0407963 A 20040716; PL 05291410 T 20050630; US 17835405 A 20050712