

Title (en)
Launcher

Title (de)
Wurfanlage

Title (fr)
Lanceur

Publication
EP 1717541 B2 20151118 (DE)

Application
EP 06006342 A 20060328

Priority
DE 102005020177 A 20050428

Abstract (en)
[origin: EP1717541A1] A throwing unit (1) for projectiles (3) comprises a tube (2) arranged around a rotational axis, and a firing drum which contains the projectiles. Only the projectiles are ignited, and the drum can be moved about the rotational axis using a drive. The drum and the throwing unit are in contact when in the firing position.

IPC 8 full level
F42B 5/155 (2006.01); **F41A 9/26** (2006.01); **F41A 9/27** (2006.01); **F41A 9/73** (2006.01); **F41C 3/02** (2006.01)

CPC (source: EP)
F41A 9/26 (2013.01); **F41A 9/27** (2013.01); **F41A 9/73** (2013.01); **F41C 3/02** (2013.01); **F42B 5/155** (2013.01)

Citation (opposition)
Opponent :

- DE 1728588 A1 19760422 - TRW INC
- FR 2827950 B1 20040206 - GIAT IND SA [FR]
- US 4198897 A 19800422 - BECKER WILFRIED [DE], et al

Cited by
DE102012106746C5; RU2718179C2; WO2008099352A1; EP2877807B1; EP2877807B2

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

DOCDB simple family (publication)
EP 1717541 A1 20061102; EP 1717541 B1 20090812; EP 1717541 B2 20151118; AT E439565 T1 20090815; DE 102005020177 A1 20061102; DE 502006004483 D1 20090924; DK 1717541 T3 20091130; DK 1717541 T4 20160215

DOCDB simple family (application)
EP 06006342 A 20060328; AT 06006342 T 20060328; DE 102005020177 A 20050428; DE 502006004483 T 20060328; DK 06006342 T 20060328