

Title (en)
Grenade and grenade launching device

Title (de)
Granate und Granatabschussvorrichtung

Title (fr)
Grenade et dispositif de lancement de grenade

Publication
EP 2339285 A3 20140507 (DE)

Application
EP 10015602 A 20101214

Priority
DE 102009060658 A 20091222

Abstract (en)
[origin: EP2339285A2] The grenade (1) has a grenade base body (10) surrounding an explosive charge. A flow cross-section reduction device (12) i.e. ring control unit, reduces flow cross-section of a firing tube and arranged with respect to the base body in opposite direction to a firing direction. The reduction device is connected with the base body by a connecting device (13). The body has a cylindrical shape and has outer diameter corresponding to inner diameter of the firing tube. The body has a sealing unit (14) for sealing gap between shell surface of the body and an inner surface of the tube.

IPC 8 full level
F41A 1/08 (2006.01); **F42B 10/06** (2006.01)

CPC (source: EP US)
F41A 1/08 (2013.01 - EP US); **F42B 5/10** (2013.01 - US); **F42B 10/06** (2013.01 - EP US); **F42B 15/04** (2013.01 - US); **F42B 30/10** (2013.01 - US); **F42C 19/0826** (2013.01 - EP US)

Citation (search report)

- [XP] EP 2226607 A2 20100908 - DIEHL BGT DEFENCE GMBH & CO KG [DE]
- [XY] US 2671401 A 19540309 - HUGO ABRAMSON
- [Y] BE 465985 A
- [X] US 4452124 A 19840605 - MORENUS RICHARD C [US], et al
- [XY] FR 1362182 A 19640529 - TAMPELLA OY AB
- [XY] DE 4414737 C1 19960104 - DAIMLER BENZ AEROSPACE AG [DE]
- [A] DE 68907257 T2 19931216 - AEROSPATIALE [FR]
- [XAY] ANONYMOUS: "Thread 15cm Wurfgranate 41 spreng "Nebelwerfer"", 18 September 2004 (2004-09-18), XP002721979, Retrieved from the Internet <URL:http://www.wk2ammo.com/showthread.php?1047-15-cm-Wurfgranate-41-spreng-quot-Nebelwerfer-quot> [retrieved on 20140317]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2339285 A2 20110629; EP 2339285 A3 20140507; EP 2339285 B1 20170329; EP 2339285 B8 20170531; DE 102009060658 A1 20110630; DE 102009060658 B4 20121115; IL 210095 A0 20110331; IL 210095 A 20131231; US 2011162247 A1 20110707; US 9488422 B2 20161108

DOCDB simple family (application)
EP 10015602 A 20101214; DE 102009060658 A 20091222; IL 21009510 A 20101219; US 97643410 A 20101222