

Title (en)
ANTI-MATERIEL PROJECTILE

Publication
EP 0051375 A3 19820901 (EN)

Application
EP 81304816 A 19811015

Priority
US 20187180 A 19801105

Abstract (en)
[origin: EP0051375A2] An anti-material projectile which fragments wholly or in part due to impact shock on hitting a target thereafter penetrating the target causing damage. The projectile is preferably high density frangible alloy having a ratio of compressive to tensile strength of 20 to 1. The projectile is useful against soft targets such as aircraft as well as armor targets where initial impact is at the armor plating. The projectile may be a composite of pyrophoric tip (41c) with a projectile body (41a) of frangible alloy and an armor piercing alloy base (41b).

IPC 1-7
F42B 13/02; **F42B 13/18**; **F42B 13/06**

IPC 8 full level
F42B 12/04 (2006.01); **F42B 12/06** (2006.01); **F42B 12/22** (2006.01); **F42B 12/36** (2006.01); **F42B 12/74** (2006.01); **F42B 14/06** (2006.01)

CPC (source: EP)
F42B 12/06 (2013.01); **F42B 12/22** (2013.01); **F42B 12/367** (2013.01); **F42B 12/74** (2013.01)

Citation (search report)

- [X] CA 1009508 A 19770503 - CANADA MAJESTY IN RIGHT OF
- [X] GB 538268 A 19410728 - MARTIN LITTMANN
- [Y] FR 1370967 A 19640828 - KOHLSPA JERNVERKS AB
- [X] US 3302570 A 19670207 - MARQUARDT FRANK R
- [X] GB 2021739 A 19791205 - OERLIKON BUEHRLE AG
- [A] FR 2356906 A1 19780127 - RAUFOSS AMMUNISJONSFABRIKKER [NO]
- [A] US 3370535 A 19680227 - LADISLAS PERMUTTER

Cited by
EP0089000A3; EP1780494A3; US4836108A; US5063854A; FR2619900A1; US4961382A; US4895077A; US4982669A; US4458599A; CN114485289A; CN1087421C; EP0156948A3; US4638738A; DE19700349C2; US4961384A; US4970960A; US4854242A; EP0111712A1; US4872409A; DE3532776A1; FR2672383A1; EP0073385A1; US9982981B2; US6659013B1; DE3821474C1; FR2765677A1; US5872327A; TR23848A; WO9830863A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0051375 A2 19820512; **EP 0051375 A3 19820901**; **EP 0051375 B1 19890111**; AT E40004 T1 19890115; AU 4225585 A 19850905; AU 545632 B2 19850725; AU 569396 B2 19880128; AU 7590781 A 19820513; CA 1202210 A 19860325; DE 3176969 D1 19890216; DK 150257 B 19870119; DK 150257 C 19871012; DK 488481 A 19820506; ES 275493 U 19840601; ES 275493 Y 19850101; ES 506852 A0 19830201; ES 8303679 A1 19830201; GR 76297 B 19840804; IL 64115 A 19860331; JP S57164299 A 19821008; JP S6144240 B2 19861001; NO 813733 L 19820506; TR 21751 A 19850603

DOCDB simple family (application)
EP 81304816 A 19811015; AT 81304816 T 19811015; AU 4225585 A 19850509; AU 7590781 A 19810930; CA 388227 A 19811019; DE 3176969 T 19811015; DK 488481 A 19811104; ES 275493 U 19821016; ES 506852 A 19811104; GR 810166431 A 19811104; IL 6411581 A 19811026; JP 17777981 A 19811105; NO 813733 A 19811104; TR 2175184 A 19841105