

Title (en)
PROJECTILE WITH TRAJECTORY CONTROL SYSTEM

Publication
EP 0418636 A3 19910417 (DE)

Application
EP 90116937 A 19900904

Priority
DE 3931173 A 19890919

Abstract (en)
[origin: US5054712A] A spin-stabilized projectile with a correctable trajectory, wherein the projectile possesses lateral or transverse thrust-propulsion devices which are distributed about the circumference thereof, each incorporating an impulse-generating charge inclusive an electrically-activatable detonator arranged beneath a cover which is radially ejectable relative to the longitudinal axis of the projectile. The detonator, with the presence of a connecting cable which initially extends coaxially with the cover and then thereafter extends at an angle relative thereto, is arranged in the transitional region intermediate the impulse-generating charge and the cover, whereby the cover, with conformance of its external contour to the contour of the encompassing casing surface of the projectile, is fixed to the structure of the projectile across a rupture location, which is hermetically sealed radially inwardly of the impulse-generating charge with respect to the center of the projectile.

IPC 1-7
F42B 10/66

IPC 8 full level
F42B 10/66 (2006.01)

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

Citation (search report)
• [Y] US 3028807 A 19620410 - BURTON JOHN R, et al
• [Y] FR 2232721 A1 19750103 - BARKER GEOFFREY [GB]
• [Y] US 3034434 A 19620515 - SWAIM FRANK H, et al
• [A] GB 1008595 A 19651027 - FIKE METAL PROD CORP
• [A] US 3964390 A 19760622 - MEDLOCK LESLIE ERNEST

Cited by
DE102014014950A1; DE10141169A1; EP2071270A3; DE102014014952A1; DE102014014952B4; DE4408085A1; DE4408085C2; EP0485897A1; EP2071270A2; WO2013130518A1; US9551552B2; US10295312B2; US10436554B2; US11313650B2; US11994367B2; US9170070B2; US10982935B2; US12025408B2; US9501055B2; US10228689B2; US10948909B2; US11947349B2; EP1286128B2

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0418636 A2 19910327; EP 0418636 A3 19910417; EP 0418636 B1 19931229; DE 59004020 D1 19940210; US 5054712 A 19911008

DOCDB simple family (application)
EP 90116937 A 19900904; DE 59004020 T 19900904; US 58033390 A 19900910