

Title (en)

Satellite controlled artillery rocket with side thrust corrector

Title (de)

Satellit gesteuerte Artillerierakete mit Seitenschubkorrektur

Title (fr)

Roquette d'artillerie contrôlée par satellite avec correction par poussée latérale

Publication

**EP 1286128 B2 20090729 (DE)**

Application

**EP 02018702 A 20020821**

Priority

DE 10141169 A 20010822

Abstract (en)

[origin: EP1286128A1] The rocket (11) plane of separation (22) lies between ogive (13) and payload chamber (15), where an axially-prolonged reinforcing ring (21) is located, surrounding a gas tube (17) extending from a gas generator (18) to a flexible tube (16) through the payload chamber. The ring (21) is push-fitted into the slightly-conical tapering interior of the ogive, at the front of the payload chamber, where it forms a mounting base for an annular course correction unit (20). This includes a roll sensor (27), satellite receiver and ring antenna (30) surrounding the front of the ogive. The ring also holds the annular thrust unit (23) equipped with rockets (25) discharging radially.

IPC 8 full level

**F42B 10/66** (2006.01); **F41G 7/34** (2006.01)

CPC (source: EP US)

**F41G 7/34** (2013.01 - EP US); **F42B 10/661** (2013.01 - EP US)

Citation (opposition)

Opponent :

- DE 4325218 C2 19981022 - DIEHL STIFTUNG & CO [DE]
- DE 3739370 A1 19890601 - DIEHL GMBH & CO [DE]
- DE 19824288 A1 19991202 - RHEINMETALL W & M GMBH [DE]
- DE 3332415 C2 19880128
- EP 0898146 A2 19990224 - BODENSEEWERK GERAETETECH [DE]
- EP 0418636 A2 19910327 - DIEHL GMBH & CO [DE]

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 1286128 A1 20030226; EP 1286128 B1 20060628; EP 1286128 B2 20090729**; DE 10141169 A1 20030313; DE 50207367 D1 20060810; NO 20023970 D0 20020821; NO 20023970 L 20030224; NO 329849 B1 20110110; US 2003038211 A1 20030227; US 6685134 B2 20040203

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