

Title (en)
Guided missile

Title (de)
Lenkflugkörper

Title (fr)
Missile guidé

Publication
EP 2101139 A3 20130529 (DE)

Application
EP 09002986 A 20090303

Priority
DE 102008014257 A 20080313

Abstract (en)
[origin: EP2101139A2] The missile (1) has a missile casing (3) forming an outer contour of the missile and extending along a longitudinal direction. The missile casing is formed for accommodated a set of units that include a sensor unit (5), a propulsion unit (7) and a payload unit (8), where two of the units are attached in parallel in the longitudinal direction. The payload unit is arranged at an overall center of gravity (S) of the missile. The missile casing is formed of a plastic reinforced with carbon fiber, and one of the units is formed as an interchangeable module. The set of units include the sensor unit e.g. electro-optical, infrared, radar or ladar seeker head, the propulsion unit e.g. turbine motor, solid-fuel motor or gel-fuel motor, and the payload unit e.g. shape-charged unit or high power microwave unit (HPMW) unit. The turbine motor is a solid-fuel motor having a motor structure formed from a fiber composite material e.g. plastic reinforced with carbon fibers material.

IPC 8 full level
F42B 15/10 (2006.01)

CPC (source: EP US)
F42B 15/10 (2013.01 - EP US)

Citation (search report)

- [X] DE 102005060369 A1 20070705 - AIRBUS GMBH [DE]
- [X] DE 3826702 A1 19900215 - ARIS SPA [IT]
- [X] US 2006016930 A1 20060126 - PAK STEVE [US]
- [X] US 4623106 A 19861118 - PRICE JR DONALD A [US], et al
- [X] WO 2008000203 A1 20080103 - WIGGERICH BURKHARD [DE]
- [X] US 4447025 A 19840508 - BOCK SIEGFRIED [DE], et al
- [X] WO 2006112578 A1 20061026 - OH WON-SUP [KR]

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2101139 A2 20090916; EP 2101139 A3 20130529; EP 2101139 B1 20150610; DE 102008014257 A1 20090917;
DE 102008014257 B4 20091203; IL 197503 A0 20091224; IL 197503 A 20140630; US 2009230234 A1 20090917; US 7893390 B2 20110222

DOCDB simple family (application)
EP 09002986 A 20090303; DE 102008014257 A 20080313; IL 19750309 A 20090309; US 40252309 A 20090312