

Title (en)
Modular turret for an armoured vehicle and combat tank

Title (de)
Modularer Drehkranz für gepanzertes Fahrzeug und Kampfpanzer

Title (fr)
Tourelle modulaire pour véhicule blindé et char de combat

Publication
EP 2669617 A1 20131204 (FR)

Application
EP 12170236 A 20120531

Priority
EP 12170236 A 20120531

Abstract (en)
The turret has an invariable rigid metal structural unit having a central position in the turret, where the structural unit is referred to as a standard shell unit (1) and provided with an interface unit. The standard shell unit is assembled to each of multiple interchangeable and removable modules via a screw and a nut, where the interface unit of the shell unit is designed such that different interchangeable and removable modules of the same functional type can be assembled to the standard shell unit. The modules are a gun unit, an interface module, a loading unit, a cabin unit, a secondary weapon, an optical system, a motorization unit, a shielding unit, a remote weapon station, a missile launcher system, and a grenade thrower system.

Abstract (fr)
La présente invention se rapporte à une tourelle pour véhicule blindé, caractérisée en ce qu'elle associe d'une part un ensemble coque standard (1) équipé de moyens d'interface et d'autre part au moins un module interchangeable et démontable (2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12), le tout assemblé par des moyens de solidarisation.

IPC 8 full level
F41A 23/24 (2006.01); **F41H 7/04** (2006.01)

CPC (source: EP)
F41H 5/20 (2013.01); **F41H 7/048** (2013.01); **F41A 23/24** (2013.01)

Citation (applicant)

- US 2004183322 A1 20040923 - BAUS RUDIGER [DE], et al
- EP 1291607 B1 20060830 - RHEINMETALL LANDSYSTEME GMBH [DE]
- WO 2009004136 A1 20090108 - NEXTER SYSTEMS [FR], et al
- WO 2004017012 A1 20040226 - KRAUSS MAFFEI WEGMANN GMBH & C [DE], et al
- FR 2579946 A1 19861010 - ARIS SPA [IT]

Citation (search report)

- [X] EP 0878687 A2 19981118 - WEGMANN & CO GMBH [DE]
- [X] TAL I: "THOUGHTS ON THE FUTURE OF ARMoured FORCES", INTERNATIONAL DEFENSE REVIEW, JANE'S INFORMATION GROUP, COULSDON, SURREY, GB, vol. 26, no. 10, 1 October 1993 (1993-10-01), pages 777 - 780, XP000401871, ISSN: 0020-6512

Cited by
CN112572205A; JP2016526659A; ITTO20130581A1; JP2016526660A; US9631902B2; WO2016034528A1; WO2015004569A1

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)
WO 2013127654 A1 20130906; EP 2669617 A1 20131204

DOCDB simple family (application)
EP 2013053203 W 20130218; EP 12170236 A 20120531