

Title (en)
CARTRIDGE WITH A NECKLESS CASE

Title (de)
PATRONE MIT HALSLOSER HÜLSE

Title (fr)
CARTOUCHE AVEC ÉTUI SANS COLLET

Publication
EP 2997310 B1 20171108 (FR)

Application
EP 14742259 A 20140513

Priority
• FR 1301114 A 20130515
• FR 2014000105 W 20140513

Abstract (en)
[origin: WO2014184451A1] The invention relates to the field of ammunition with cartridge and the subject of the invention is more particularly a cartridge with a composite cartridge case comprising, on the one hand, a projectile (29, 49) with an ogee-shaped tip (30, 50) and a bottom end (31, 51) ending in a base (32, 52) and, on the other hand, a flangeless tubular case (21, 41) delimiting a chamber accommodating a propulsive powder, closed, on the one hand, at a first longitudinal end (23, 43) by a base (24, 44) with a primer (25, 45) and, on the other hand, at the second end (26, 46) opposite to the first, by the base of the projectile, a part (27, 34, 47, 54) of the flangeless tubular case (21, 41) fitting snugly around part of the projectile and having itself, at least in part, a frustoconical external shape (27, 47), the cartridge being characterized in that: - the chamber accommodating the propulsive powder comprises, at the projectile end, a reduction in its diameter over all or part of the periphery thereof down to the diameter of the base (32, 52) of the projectile (29, 49), - the ratio between the length of the tip of the projectile (29, 49) and the maximum diameter thereof is greater than or equal to 2.9.

IPC 8 full level
F42B 5/30 (2006.01); **F42B 5/02** (2006.01); **F42B 5/067** (2006.01)

CPC (source: EP US)
F42B 5/025 (2013.01 - EP US); **F42B 5/067** (2013.01 - EP US); **F42B 5/30** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 2014184451 A1 20141120; BR 112015028635 A2 20201027; BR 112015028635 B1 20211123; EP 2997310 A1 20160323; EP 2997310 B1 20171108; FR 3005726 A1 20141121; FR 3005726 B1 20180302; IL 242582 B 20200430; US 2016091288 A1 20160331; US 9587919 B2 20170307

DOCDB simple family (application)
FR 2014000105 W 20140513; BR 112015028635 A 20140513; EP 14742259 A 20140513; FR 1301114 A 20130515; IL 24258215 A 20151112; US 201414891534 A 20140513