

Title (en)
HUNTING CARTRIDGE WITH PLASTIC RING RECEIVING POWDER CHARGE

Title (de)
JAGDPATRONE MIT PLASTIKRING ZUR AUFNAHME DER PULVERLADUNG

Title (fr)
CARTOUCHE DE CHASSE AVEC ANNEAU EN PLASTIQUE RECEVANT LA CHARGE DE POUDRE

Publication
EP 3699545 A1 20200826 (EN)

Application
EP 20386003 A 20200124

Priority
GR 20190100061 A 20190130

Abstract (en)
The invention involves a rigid polyethylene ring, cylindrical (3a) or conical (3b) in cross-section, with fixed outer diameter according to its respective caliber of application, on which the bottom end rests on the inner bottom (2a,2b), of the plastic or paper bullet casing (1) and enclosing within it the necessary amount of gunpowder (4b, 4c), with its upper end exceeding one half (0.5) millimeter in height over the gunpowder and the resting wad , i.e. plastic concentrator (6a) or wool wad (6b), creating between gunpowder (4b,4c) and wad, discoid space (5), about half (0.5) millimeter. Thus, the Ring (3a,3b), completely absorbs the strong pressures exerted by the weight of the shot shells (7) and by the asteroid closure (8) of the cartridge and allows no pressure to be applied to the gunpowder (4b,4c), thereby completely equating the same cartridges of the same batch , in terms of pressures generated by its burning, and ensuring the required corresponding stability between shots of the shotgun.

IPC 8 full level
F42B 7/04 (2006.01); **F42B 7/08** (2006.01)

CPC (source: EP GR)
F42B 5/02 (2013.01 - GR); **F42B 7/02** (2013.01 - GR); **F42B 7/04** (2013.01 - EP); **F42B 7/08** (2013.01 - EP)

Citation (search report)
• [Y] FR 1390151 A 19650226
• [Y] US 3487779 A 19700106 - HENDRICKS GROVER E
• [A] FR 1183607 A 19590709
• [A] US 2582124 A 19520108 - HOLMES RAYMOND S
• [A] US 2462312 A 19490222 - FINLAY WALTER L, et al

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)
EP 3699545 A1 20200826; GR 20190100061 A 20200831

DOCDB simple family (application)
EP 20386003 A 20200124; GR 20190100061 A 20190130