

Title (en)
SEALING RING AND PROPELLANT CHARGE MAGAZINE

Title (de)
DICHTUNGSRING UND TREIBLADUNGSLAGER

Title (fr)
BAGUE D'ÉTANCHÉITÉ ET MAGASIN DE CHARGE PROPULSIVE

Publication
EP 2531800 B1 20161228 (DE)

Application
EP 11700809 A 20110120

Priority
• DE 102010006606 A 20100201
• EP 2011000227 W 20110120

Abstract (en)
[origin: WO2011091964A1] The invention relates to a sealing ring (100) for sealing a propellant charge magazine (4) of an automatic firearm for caseless munition, in particular with respect to an end face (S) of a firearm element, in particular a breech (77) or a projectile magazine (2). The sealing ring (100) comprises a sealing face that can be brought into contact with the end face (S). Said sealing face comprises a first region (A1) around the annular opening (D) of the sealing ring (100) and a second region (A2) around the first region (A1), wherein the second region (A2) is recessed (a) with respect to a tangential surface (T) on the first region (A1). The invention further relates to a propellant charge magazine (4) for an automatic firearm for caseless munition, which has at least one of the sealing rings (100) according to the invention. The propellant charge magazine (4) at the same time comprises one or more, especially two, propellant charge chambers (5, 50), which are provided on the breech side and on the projectile magazine side with a respective sealing ring (100).

IPC 8 full level
F41A 3/74 (2006.01); **F41A 3/76** (2006.01)

CPC (source: EP US)
F41A 3/74 (2013.01 - EP US); **F41A 3/76** (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)
DE 102010006606 A1 20110804; EP 2531800 A1 20121212; EP 2531800 B1 20161228; IL 220156 A0 20120731; IL 220156 A 20161130; RU 2012137220 A 20140310; RU 2533858 C2 20141120; SG 182263 A1 20120830; US 2013014634 A1 20130117; US 8833227 B2 20140916; WO 2011091964 A1 20110804; ZA 201206490 B 20130529

DOCDB simple family (application)
DE 102010006606 A 20100201; EP 11700809 A 20110120; EP 2011000227 W 20110120; IL 22015612 A 20120604; RU 2012137220 A 20110120; SG 2012044939 A 20110120; US 201213539669 A 20120702; ZA 201206490 A 20120829