

Title (en)

Obturator for caseless ammunition

Title (de)

Dichtung, insbesondere für hülsenlose Munition

Title (fr)

Dispositif d'étanchéité pour munition sans douille

Publication

EP 1719966 A1 20061108 (DE)

Application

EP 06008988 A 20060429

Priority

DE 102005020669 A 20050503

Abstract (en)

The seal (10) seals between a rigid first element (14) and a movable second element (16) operating with a provided fissure (12). The second element has a cylindrical sealing ring seat (22) in which a seal ring (24) is located. The seal ring seat has a main section (26) and a neighbouring section (28) with a reduced diameter. The seal ring has a main body (30) and a pre-seal (32). The seal ring seat main section has an inner diameter (34) that has at least a heat transfer coefficient-compensation mass greater than the outer diameter (36) of the sealing main body. The seal ring pre-seal is sealed against the cylindrical seal ring neighbouring section.

IPC 8 full level

F41A 3/74 (2006.01)

CPC (source: EP US)

F41A 3/74 (2013.01 - EP US)

Citation (search report)

- [XY] DE 2361074 A1 19751030 - DIEHL FA
- [Y] US 5929364 A 19990727 - TORTORICI RICHARD W [US], et al
- [Y] US 5777256 A 19980707 - SIMON FRANCOISE [FR], et al
- [X] FR 1487089 A 19670630 - RHEINMETALL GMBH
- [X] US 3387560 A 19680611 - MERTENS WILLIAM J

Cited by

CN112504007A; US8459166B2; WO2008119476A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1719966 A1 20061108; DE 102005020669 A1 20061109; US 2007028756 A1 20070208; ZA 200603444 B 20070725

DOCDB simple family (application)

EP 06008988 A 20060429; DE 102005020669 A 20050503; US 39512206 A 20060331; ZA 200603444 A 20060502