

Title (en)
OBTURATING DEVICE FOR PROJECTILES USED IN SMOOTH-BORE GUNS

Publication
EP 0046888 B1 19870325 (DE)

Application
EP 81106024 A 19810731

Priority
DE 3033042 A 19800903

Abstract (en)
[origin: EP0046888A1] 1. Means around the peripheral zone of a projectile (2) for a rear loading barrel weapon with an upsettable sealing element (7...) and an element (9...) having a receiving surface (8...) for transmitting the gas pressure building up in the firing operation to the sealing element (7...) in such a way that a component (R) results therefrom which acts radially outwards on an outer surface of the sealing element and which is directed towards the inner wall (30) of the barrel, characterized by the fact that the means after loading the projectile (2) is located in the calibre part (31) of a smooth bore weapon, the outer surface of the element (9...) resting against the internal wall surface (30) of the barrel, the maximum size of the exterior of the sealing element (7...) being equal to the calibre and the component (R) acting radially outwards producing between the outer surface (6) of the sealing element (7...) and the inner wall surface (30) of the barrel a frictional contact which cannot be nullified until after a gas pressure has been reached which is sufficient for a required muzzle velocity for the projectile (2).

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F42B 31/00

IPC 8 full level
F42B 14/02 (2006.01)

CPC (source: EP)
F42B 14/02 (2013.01)

Cited by
US4552071A; EP1996896A4; EP1717542A1; FR2662241A1; US6536353B1; US6827020B2; KR101130304B1; WO9118256A1; WO2016001388A1

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