

Title (en)
PROJECTILE OR WARHEAD

Title (de)
GESCHOSS ODER GEFECHTSKOPF

Title (fr)
PROJECTILE OU OGIVE

Publication
EP 1000311 A1 20000517 (DE)

Application
EP 97948667 A 19971222

Priority
• CH 9700477 W 19971222
• DE 19700349 A 19970108

Abstract (en)
[origin: WO9830863A1] A projectile or warhead for fighting armoured targets has a material (1) with practically no end ballistic effect as an expanding medium radially enveloped by an outer body made of a penetration material (2) with a distinctly higher end ballistic effect. The expanding medium (1) may be made of a light metal, duro- or thermoplastic materials, fibre-reinforced plastics, elastomeric materials or a dense and dynamically soft metal. The expanding medium (1) may further contain substances with a pyrophoric and/or explosive effect, possibly as a powder or liquid. Strips (20) or other bodies (21, 24, 25) may be embedded in the outer body. The outer body (2) may be made of high-density sintered metal, of a brittle material or of very hard steel. The outer body may break into splinters. A massive penetrator (6) or several penetrators (26) may be arranged at the centre of the expanding medium. The projectile has a tip (38, 41) and is spin-stabilised or aerodynamically stabilised as a full calibre projectile or as a subcalibre pierce-and-seal projectile. The projectiles may be expelled from dispensers. The projectiles or warheads can be mounted on guided or non-guided missiles.

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IPC 8 full level
F42B 12/06 (2006.01); **F42B 12/34** (2006.01); **F42B 12/36** (2006.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 9830863A1

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