

Title (en)  
**MULTI-PURPOSE WARHEAD**

Publication  
**EP 0159389 A3 19880907 (DE)**

Application  
**EP 84110066 A 19840823**

Priority  
**DE 3336853 A 19831011**

Abstract (en)  
[origin: US4612859A] The invention relates to a multiple purpose warhead which is provided with a spike-forming cladding, with projectile-forming layers and with preshaped splinters, respectively splinter layers. For the simultaneous combatting of hard and semi-hard material targets as well as soft targets the impact precision, the penetration capacity and thereby the effectiveness of the multiple purpose warhead is increased relative to the multiple purpose warheads of the state of the art. The multiple purpose warhead of this invention includes within a multiple purpose warhead casing 7 at least three effective parts 1, 2, 3. This arrangement achieves optimum, however, different, target effectiveness and a separate dosable explosive charge 6.1, 6.2, 6.3 corresponding to the different target requirements by providing corresponding different claddings for each effective part. There is provided between a first effective part formed as a hollow charge 6.1 and a third effective part formed as a splinter-forming warhead 9 a projectile-forming layer 22 which forms the second effective part. There is provided within two mutually confronting conically shaped recesses 10, 11 arranged symmetrically about a longitudinal axis 12, on the one hand, an ignition arrangement 14 and, on the other hand, an inert-insert 13, whereby a common ignition of all effective parts is made possible and flaw-free detonation wave guidance is also effected not only with a spike-formation, but also with the projectile-formation thereby increasing the destructive capacity of the multiple purpose warhead.

IPC 1-7  
**F42B 15/24**; **F42B 15/26**; **F42B 13/10**

IPC 8 full level  
**F42B 12/02** (2006.01); **F42B 12/04** (2006.01); **F42B 12/10** (2006.01); **F42B 12/16** (2006.01); **F42B 12/32** (2006.01)

CPC (source: EP US)  
**F42B 12/16** (2013.01 - EP US); **F42B 12/32** (2013.01 - EP US)

Citation (search report)  
• FR 2406798 A1 19790518 - MESSERSCHMITT BOELKOW BLOHM [DE]  
• US 3906860 A 19750923 - JOHNS WILLIAM H  
• DE 2807280 A1 19820819 - MESSERSCHMITT BOELKOW BLOHM [DE]  
• US 3474731 A 19691028 - THOMANEK FRANZ RUDOLF

Cited by  
**EP0752572A1**; **FR2736424A1**; **US5801323A**; **US9476682B1**

Designated contracting state (EPC)  
**DE FR GB**

DOCDB simple family (publication)  
**DE 3336853 A1 19850425**; **DE 3481439 D1 19900405**; **EP 0159389 A2 19851030**; **EP 0159389 A3 19880907**; **EP 0159389 B1 19900228**; **US 4612859 A 19860923**

DOCDB simple family (application)  
**DE 3336853 A 19831011**; **DE 3481439 T 19840823**; **EP 84110066 A 19840823**; **US 65964984 A 19841011**