

Title (en)  
HIGH VELOCITY PROJECTILES

Title (de)  
HOCHGESCHWINDIGKEITSPROJEKILE

Title (fr)  
PROJECTILES A VITESSE ELEVEE

Publication  
**EP 1546638 A1 20050629 (EN)**

Application  
**EP 02776591 A 20020812**

Priority  
AU 0201076 W 20020812

Abstract (en)  
[origin: CA2495869A1] A shaped charge and projectile combination for firing from a weapon, the combination including projectile (3), shaped charge (1) of high explosive material and metal liner (2) located between charge (1) and projectile (3). Charge (1) includes detonator (6) and cavity (4) in an external face facing the muzzle of the weapon, cavity (4) being shaped to axially concentrate explosive on detonation of charge (1) towards the rear (5) of projectile (3) . Metal liner (2) forms a jet of liner material on detonation of charge (1) to impact the rear (5) of projectile (3) and so propel projectile (3) from the weapon at high velocity, typically greater than 1000 m/s and up to 6000 m/s. Projectile (3) therefore travels a flatter trajectory and has a higher penetrating power than a conventionally propelled projectile.

IPC 1-7  
**F42B 5/16**; **F42B 1/032**; **F42B 12/06**; **F42B 12/76**

IPC 8 full level  
**F42B 1/032** (2006.01); **F42B 5/16** (2006.01); **F42B 12/06** (2006.01); **F42B 12/76** (2006.01)

Citation (search report)  
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