

Title (en)
NOSE CAP FOR A PROJECTILE WITH AN ARMOUR-PIERCING CORE

Publication
EP 0123978 B1 19871209 (DE)

Application
EP 84104043 A 19840411

Priority
DE 3314751 A 19830423

Abstract (en)
[origin: US4714024A] An improved nose construction for a subcaliber inertial projectile which is fired with the aid of a sabot. A hood or body is mounted on the nose portion of the projectile. The hood is made of synthetic material and includes longitudinally extending fracture zones and is of substantially cylindrical shape. The frontal portion of the hood is recessed and forms an air flow receiving surface. In lieu of a hood a body, made of a thermoplastic material or the like, may be mounted on the nose portion. This body is adapted to disintegrate as result of air friction. The presence of the hood or body on the nose portion of the projectile, as it exits from a non-illustrated gun barrel, avoids or at least reduces unfavorable air-streaming forces which destabilize the flight characteristics of the projectile and thereby favors a uniform separation of the sabot segments from the projectile. Such uniform separation reduces or completely eliminates undesirable oscillations during flight of the projectile. After the hood or body have disintegrated the projectile acquires a more favorable cw value (drag coefficient during flight).

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F42B 13/16

IPC 8 full level
F42B 14/06 (2006.01)

CPC (source: EP US)
F42B 14/061 (2013.01 - EP US)

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