

Title (en)
FULL CALIBER PROJECTILE FOR USE AGAINST UNDERWATER OBJECTS

Title (de)
VOLLKALIBERGESCHOSS ZUR VERWENDUNG GEGEN UNTERWASSERZIELE

Title (fr)
PROJECTILE PLEIN CALIBRE, UTILISE CONTRE DES OBJECTIFS SOUS-MARINS

Publication
EP 0774106 B1 20000308 (EN)

Application
EP 96919402 A 19960603

Priority
• US 9610244 W 19960603
• US 47442895 A 19950607

Abstract (en)
[origin: WO9641116A1] A projectile (50) is propelled from a location in air, through an air/water interface, and toward an underwater object (24). The projectile (50) is of a full caliber that is directly received into and fired from a gun barrel (22). The portion of the projectile (50) that contacts the bore of the gun (22) is made of a material that will not unduly damage or be transferred to the bore of the gun upon firing. The projectile (50) includes a forward end stinger head (74) that forms a cavitation void (30) around the projectile (50) in water, minimizing water drag on the remainder of the projectile (50). The projectile (50) further includes a shoulder (90) that contacts the side of the cavitation void (30) in the event that the projectile (50) yaws into a wall of the cavitation void (30) as it passes through water, producing a restoring force that prevents the projectile (50) from tumbling.

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F42B 10/02; **F42B 10/46**

IPC 8 full level
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CPC (source: EP KR)
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