

Title (en)

GYROSCOPICALLY STABILIZED PROJECTILE SYSTEM FOR USE AGAINST UNDERWATER OBJECTS

Title (de)

GYROSKOPISCH STABILISIERTES PROJEKTILSYSTEM ZUR ANWENDUNG GEGEN UNTERWASSEROBJEKTE

Title (fr)

SYSTEME DE PROJECTILE A STABILISATION GYROSCOPIQUE DIRIGE CONTRE DES OBJETS SOUS-MARINS

Publication

EP 0774104 A1 19970521 (EN)

Application

EP 96918101 A 19960604

Priority

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Abstract (en)

[origin: WO9641114A1] A projectile (50) is propelled from a location in air, through an air/water interface, and toward an underwater object (24). The projectile (50) includes a forward end (52) that forms a cavitation void (30) around the projectile (50) in water, avoiding water drag on the remainder of the projectile (50). The projectile (50) further includes a lateral stabilizer (90) that contacts the side of the cavitation void 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.

IPC 1-7

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

IPC 8 full level

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