

Title (en)
Stabilizing fin assembly for projectile.

Title (de)
Stabilisierende Flügelflächen für ein Geschoss.

Title (fr)
Ailettes stabilisatrices pour projectile.

Publication
EP 0076990 A2 19830420 (EN)

Application
EP 82109120 A 19821002

Priority
SE 8105952 A 19811008

Abstract (en)
Stabilizing fin assembly for projectile (2) designed to be discharged from a barrel (1) by means of propellant charge gases from a propellant charge (5). During their passage through the barrel the fins (8) are in the retracted, on-edge position, and arranged to be extended when the projectile (2) leaves the barrel (1). With the fins in the retracted position the space (13) between the fins (8) is at least partially open to the rear during passage through the barrel, so that the propellant charge gases have access to the said space (13). The space (13) is exhausted of propellant charge gases when the projectile leaves the barrel (1), and the propellant charge gases as they rush out pass along the guide surfaces of the fins (8), causing a frictional force which jerks the fins (8) to the extended position. In some embodiments the guidance mechanism is also provided with a further space (11, 18, 18a) under the edge (12) of the fins (8), which during passage through the barrel is filled with propellant charge gases which exert an extra extending force against the edge (12) of the fins (8).

IPC 1-7
F42B 13/32

IPC 8 full level
F42B 10/20 (2006.01)

CPC (source: EP)
F42B 10/20 (2013.01)

Cited by
US6164594A; EP0171473A1; US4641802A; US7226016B2; US6886775B2; FR2769287A1; WO0206759A1; WO0206760A1

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
EP 0076990 A2 19830420; EP 0076990 A3 19830518; EP 0076990 B1 19860219; DE 3269205 D1 19860327; FI 823432 A0 19821008; FI 823432 L 19830409; NO 149942 B 19840409; NO 149942 C 19840718; NO 823362 L 19830411; SE 428058 B 19830530; SE 8105952 L 19830409

DOCDB simple family (application)
EP 82109120 A 19821002; DE 3269205 T 19821002; FI 823432 A 19821008; NO 823362 A 19821006; SE 8105952 A 19811008