

Title (en)

Device for the deployment of the vanes of a projectile

Title (de)

Vorrichtung zur Entfaltung der Steuerflächen eines Projektils

Title (fr)

Dispositif de déploiement des ailettes d'un projectile

Publication

EP 1548392 A1 20050629 (FR)

Application

EP 04292926 A 20041209

Priority

FR 0315486 A 20031224

Abstract (en)

The deployment mechanism for the fins (2a, 2b) of a projectile (1), which are held in their retracted positions by a single lock (5), has an actuator in the form of an inertial weight (14) that releases the lock when the projectile is fired. The lock is in the form of a pivoting star-wheel (6) with hooks (9a, 9b) on the ends of its arms to engage with slots (10b) in the retracted fins, with a spring that causes the star wheel to rotate and remove the hooks from the slots when it is released by the inertial weight, allowing the fins to deploy.

Abstract (fr)

L'invention a pour objet un dispositif de déploiement d'aillettes (2a,2b,2c,2d) pour un projectile (1). Ce dispositif comprend un moyen verrou (5) assurant l'immobilisation simultanée de toutes les ailettes (2a,2b,2c,2d) en position repliée. Il est caractérisé en ce qu'il comporte un actionneur libérant le moyen verrou (5) lors du tir, actionneur comprenant une masselotte inertielle (14). <IMAGE>

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F42B 10/14

IPC 8 full level

F42B 10/14 (2006.01)

CPC (source: EP)

F42B 10/14 (2013.01)

Citation (applicant)

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