

Title (en)

An unfurling wing or fin for missiles and other projectiles.

Title (de)

Entrollbare Flächen oder Flossen für Lenkwaffen oder andere Geschosse.

Title (fr)

Aile ou ailette déployable pour missiles ou autres projectiles.

Publication

EP 0333681 A1 19890920 (EN)

Application

EP 89850054 A 19890217

Priority

SE 8800932 A 19880316

Abstract (en)

The present invention relates to an unfurling wing (V, 15) or fin intended for missiles and other projectiles, the wing or fin being, from a first furled (V<1>) position bent in towards the projectile body (K) and initially locked, unfurlable, on cessation of the locking function, to a second position where it generates and desired lifting force and/or guiding impetus for the projectile (P). The wing or fin according to the present invention consists of two plates (1, 2, 16, 17) which are cupped away from one another, and are immovably joined together to one another along all edge sides (3, 18) which are not directly or indirectly secured to the projectile body. The wing or fin occurs in two main variants, of which the first, in the unfurled state, extends transversely of the projectile body on either side thereof, while the second variant consists of fins foldably secured to the projectile body which, in the unfurled state, extend more or less radially out therefrom.

IPC 1-7

F42B 13/32; F42B 15/053

IPC 8 full level

F42B 10/16 (2006.01)

CPC (source: EP)

F42B 10/16 (2013.01)

Citation (search report)

- DE 2226123 A1 19730111 - BOFORS AB
- DE 2609932 A1 19770915 - MESSERSCHMITT BOELKOW BLOHM
- DE 3026409 A1 19820304 - GEN DYNAMICS CORP [US]
- DE 3618956 C1 19871119 - RHEINMETALL GMBH

Cited by

FR2911954A1; EP1953494A1; FR2738908A1; DE3916690C1; DE102019131443A1; DE4025515A1; DE3927798A1; DE102006044945A1; EP1818646A1; NO339906B1; DE102006006160B4; DE102019131443B4; DE202006020972U1; US5368255A

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

EP 0333681 A1 19890920; SE 460738 B 19891113; SE 8800932 D0 19880316; SE 8800932 L 19890917

DOCDB simple family (application)

EP 89850054 A 19890217; SE 8800932 A 19880316