

Title (en)

Aerodynamic stabilisation and braking device for air-drop body.

Title (de)

Aerodynamische Stabilisier- und Bremsvorrichtung für Abwurfkörper.

Title (fr)

Engin largable à stabilisation et freinage aérodynamique.

Publication

**EP 0675334 A1 19951004 (FR)**

Application

**EP 95400414 A 19950227**

Priority

FR 9402401 A 19940302

Abstract (en)

The missile is equipped with passive stabilisers and is designed to follow an initial trajectory parallel to that of the launch aircraft. It has flexible rear flaps (17) which deploy automatically after launching so that the rate of their deployment varies with the aerodynamic pressure applied to them on release. The forward ends of the flaps are fixed flat to the body of the missile (10), and are reinforced by a series of shorter vanes (20). Otherwise the flaps can be in the form of metal vanes which are pivoted to the rear of the missile and open outwards by the pressure of air against them. Their pivots can be equipped with stops which retract or are broken at a given pressure. <IMAGE>

Abstract (fr)

L'engin largable est muni de moyens passifs de stabilisation aérodynamique et destiné à prendre une trajectoire initiale sensiblement parallèle à la vitesse de l'aéronef après largage. Il comporte, à l'arrière, des volets (17) déployables automatiquement après largage et constitués de façon que la pression dynamique qui s'exerce sur les volets modifie automatiquement la traînée supplémentaire donnée par les volets en fonction inverse de ladite pression dynamique. <IMAGE>

IPC 1-7

**F42B 10/16**; **F42B 10/50**

IPC 8 full level

**F42B 10/16** (2006.01); **F42B 10/50** (2006.01)

CPC (source: EP)

**F42B 10/16** (2013.01); **F42B 10/50** (2013.01)

Citation (search report)

- [Y] CH 480612 A 19691031 - OERLIKON BUEHRLE AG [CH]
- [Y] DE 2637793 A1 19780223 - MESSERSCHMITT BOELKOW BLOHM
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- [A] DE 1553980 A1 19690925 - BREDA MECC BRESCIANA

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EP2564839A2

Designated contracting state (EPC)

DE GB IT SE

DOCDB simple family (publication)

**FR 2716965 A1 19950908**; **FR 2716965 B1 19960503**; DE 69516200 D1 20000518; DE 69516200 T2 20001123; EP 0675334 A1 19951004; EP 0675334 B1 20000412

DOCDB simple family (application)

**FR 9402401 A 19940302**; DE 69516200 T 19950227; EP 95400414 A 19950227