

Title (en)

Opening system for spreading wings on a projectile.

Title (de)

Leitwerkausspreizungssystem für ein Geschoss.

Title (fr)

Système d'ouverture d'un empennage déployant pour projectile.

Publication

EP 0389358 B1 19931118 (FR)

Application

EP 90400758 A 19900320

Priority

FR 8903924 A 19890324

Abstract (en)

[origin: US5082203A] According to the invention, the system should reliably provide for the complete and irreversible unfolding of the fins of the tail unit, after the departure of the projectile, and should enable the triggering, after the locking of the fins, of an ignition device for the propulsion unit contained in the projectile. A system for opening an unfolding tail unit for projectiles provided with a propulsion unit, formed by a plurality of fins hinged on shafts and distributed around the projectile, comprises a part capable of sliding imperviously from a first position to a second position in a first bore, so as to drive means for pivoting the fins. With the first bore, this part defines a first chamber and can be shifted by gas pressure in this chamber, generated by a gas generator, the fins being completely unfolded during the shifting of the part towards the second position. The opening system also includes a closing means fixed to the sliding part making it possible, before it has reached the second position, to isolate the first chamber from a second chamber and prevent the triggering of an ignition device for the propulsion unit under the effect of a pressure.

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