

Title (en)

Mechanical unlocking system together with aerodynamic breaking, for missile sections

Title (de)

Mechanische und aerodynamische Trennvorrichtung für mehrstufige Flugkörper

Title (fr)

Système de séparation de tronçons d'engin à déverrouillage mécanique et échappement aérodynamique

Publication

EP 0777101 B1 20010228 (FR)

Application

EP 96402543 A 19961126

Priority

FR 9514077 A 19951128

Abstract (en)

[origin: EP0777101A1] The release mechanism consists of a hub (13) containing a series of radial micro-power cylinders (3). The hub is fixed to one section of the missile and is surrounded by a cylindrical shell (14) projecting from the end of the other section. The shell is pierced with radial holes (15) to receive fingers (7) which are directed outwards from the cylinders. The micro-power cylinders are surrounded by an annular chamber (4) which delivers pressure evenly to the cylinders, while a pyrotechnic unit (8) generates the pressure in the chamber which retracts the fingers and disengages the two sections of the missile.

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IPC 8 full level

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CPC (source: EP)

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Cited by

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