

Title (en)

DEVICE FOR THE BRAKING OF A BOMB AFTER ITS RELEASE FROM AN AIRCRAFT

Publication

EP 0421873 B1 19930505 (FR)

Application

EP 90402733 A 19901003

Priority

FR 8912954 A 19891004

Abstract (en)

[origin: EP0421873A1] The bomb body is equipped at its rear end with a propulsion unit 3, at the outlet of which is arranged a jet collector 5 having a plurality of conduits 6 and encased in a cover 7. The cover 7 is kept in position by cables 8. Articulated on the cover 7 are traps 13 which, under the effect of the pressure of the jet issuing from the conduits 6, are unfolded forwards over a limited stroke, thereby deflecting said jet forwards in order to ensure the drag of the bomb. After a reduction in speed of the bomb, measured by a device 11, a pyrotechnic system 10 is controlled so as to ensure the severance of the cables 8 and therefore the ejection of the cover 7 and the restoration of the propulsion of the bomb. The device automatically ensures the braking back of a bomb after its release and the restoration of the propulsion of the latter when the speed of the bomb is below a predetermined value. <IMAGE>

IPC 1-7

F02K 9/92; **F42B 10/48**

IPC 8 full level

F02K 9/92 (2006.01); **F42B 10/48** (2006.01); **F42B 15/36** (2006.01)

CPC (source: EP)

F42B 10/48 (2013.01); **F42B 15/36** (2013.01)

Citation (examination)

- US 3177655 A 19650413 - WHITE ROGER F
- Concrete Dibber conceived in France ("Flight International"), Vol. 92, p. 1013-1014, 14.12.92, R.R. Rodwell, London.

Cited by

CN111023916A; FR2702556A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0421873 A1 19910410; **EP 0421873 B1 19930505**; AT E89073 T1 19930515; DE 69001532 D1 19930609; DE 69001532 T2 19931202; ES 2041516 T3 19931116; FR 2652641 A1 19910405; FR 2652641 B1 19940429

DOCDB simple family (application)

EP 90402733 A 19901003; AT 90402733 T 19901003; DE 69001532 T 19901003; ES 90402733 T 19901003; FR 8912954 A 19891004