Title (en)

PROJECTILE WITH AN ADJUSTABLE DIRECTIONAL CONTROL DEVICE

Publication

EP 0322540 A3 19901017 (DE)

Application

EP 88118071 A 19881029

Priority

DE 3742836 A 19871217

Abstract (en)

[origin: EP0322540A2] The invention relates to a projectile (1, 101, 201) with adjustable control members (3, 9; 103, 131; 247) for influencing the trajectory of the projectile. The projectile has control electronics (13) for determining control signals for the adjustment of the control members, and an electrical generator (10, 110, 210) for the power supply of the control electronics. To simplify the construction of the projectile in terms of the adjustment of the control members and the power supply of the control electronics, it is proposed, according to the invention, that the electrical generator (10, 110, 210) be used additionally as an adjusting device for the control members. For this, there is a mechanical connection (3, 103, 246) between the moved part, generally the rotor (21, 121) of the electrical generator, and the control members (9, 131, 247) for the adjustment of these. Furthermore, the electrical generator (10, 110, 210) is connected to an electrical load (23, 24, 25) of which the size can be varied by the control electronics (13). The invention affords a small and effective construction for adjusting the control members, which can also be employed on small-calibre projectiles, for example grenades. <IMAGE>

IPC 1-7

F42B 15/10; F41G 7/22

IPC 8 full level

F42B 10/60 (2006.01)

CPC (source: EP US)

F42B 10/60 (2013.01 - EP US)

Citation (search report)

- [XD] US 4512537 A 19850423 - SEBESTYEN GEORGE [US], et al
- [Y] DE 3429798 C1 19851212 - MESSERSCHMITT BOELKOW BLOHM
- [A] US 3111088 A 19631119 - FISK NEWTON H
- [AD] DE 3606423 A1 19870903 - MESSERSCHMITT BOELKOW BLOHM [DE]

Cited by

DE102005043474B4; WO2008108869A3; JP2010513826A

Designated contracting state (EPC)

CH FR GB IT LI

DOCDB simple family (publication)

EP 0322540 A2 19890705; **EP 0322540 A3 19901017**; DE 3742836 C1 19890713; US 4898342 A 19900206

DOCDB simple family (application)

EP 88118071 A 19881029; DE 3742836 A 19871217; US 28362888 A 19881213