

Title (en)  
Recoilless arms or launching systems.

Title (de)  
Rückstossfreie Geschütze oder Abschussysteme.

Title (fr)  
Armes ou systèmes lanceurs, sans recul.

Publication  
**EP 0256894 A1 19880224 (FR)**

Application  
**EP 87401184 A 19870526**

Priority  
FR 8610680 A 19860723

Abstract (en)  
1. Weapon or launcher system without projectile recoil, of the type having a propulsive charge (4), placed centrally in a tube (1) and interposed between, on the one hand the projectile (3) and on the other a ballast (5), said ballast ensuring a compensation of the recoil impulsion caused by the launching of the projectile, characterized in that the ballast is constituted by a group of longitudinal wires (16), whose plastic and aerodynamic characteristics are chosen in such a way that their ejection only causes limited rearward effects and which are joined at their base in such a way as to ensure, during their passage in tube (1), the rear sealing of a variable volume chamber (22) located between the projectile (3) and the ballast (5).

Abstract (fr)  
Arme ou système lanceur sans recul de projectile, du type comportant une gargousse propulsive (4), placée en position centrale dans un tube (1) et interposée entre, d'une part, le projectile (3), et, d'autre part, un lest (5), ledit lest assurant une compensation de l'impulsion de recul provoquée par le lancement du projectile, caractérisé en ce que le lest est constitué par un fagot de fils longitudinaux (16) et dont les caractéristiques plastiques et aérodynamiques sont choisies de façon à ce que leur éjection n'apporte que des effets arrière limités.

IPC 1-7  
**F42B 5/05**

IPC 8 full level  
**F41A 1/10** (2006.01)

CPC (source: EP)  
**F41A 1/10** (2013.01)

Citation (search report)  
• [A] EP 0027418 A1 19810422 - EUROP PROPULSION [FR]  
• [A] FR 2103794 A5 19720414 - TECHNICAL RESEARCH DEVEL, et al  
• [A] DE 2553201 A1 19791031 - RHEINMETALL GMBH

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Designated contracting state (EPC)  
BE DE GB IT

DOCDB simple family (publication)  
**EP 0256894 A1 19880224; EP 0256894 B1 19891018**; DE 3760832 D1 19891123; FR 2602040 A1 19880129; FR 2602040 B1 19881110

DOCDB simple family (application)  
**EP 87401184 A 19870526**; DE 3760832 T 19870526; FR 8610680 A 19860723