

Title (en)

ASSEMBLY FOR ACCELERATING PROJECTILES BY MEANS OF AN ELECTRICALLY HEATED PLASMA

Publication

EP 0242501 B1 19890215 (DE)

Application

EP 87100187 A 19870109

Priority

DE 3613260 A 19860419

Abstract (en)

[origin: EP0242501A1] 1. Apparatus for accelerating a projectile (14) located in a barrel (10) which is closed at one end and using an electrically heated plasma, wherein two electrodes (11, 100) are provided for the production of the plasma, the first electrode (11) being positioned coaxially in the breech end part of the barrel (10) and the second electrode (100) being constructed as an annular electrode, characterised by the fact that the second electrode (100) is situated at the breech end of the barrel (10) and that the electrodes (11, 100) together with the projectile (14) to be accelerated, form a gapped discharge space (15).

IPC 1-7

F41F 1/04

IPC 8 full level

B64G 9/00 (2006.01); **B64G 99/00** (2009.01); **F41B 6/00** (2006.01); **H05H 1/00** (2006.01); **H05H 1/54** (2006.01)

CPC (source: EP)

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Cited by

US6220141B1; US5042359A; GB2217820A; FR2630820A1; GB2217820B; GB2218495A; GB2218495B; US5115743A; FR2672047A1; FR2630821A1; GB2229799A; US5094141A; GB2229799B; GB2260187A; US5331879A; GB2260187B; EP0346867A3; US10415925B2; US10724823B2; US11187488B2; US11920888B2

Designated contracting state (EPC)

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