

Title (en)

Acceleration device for the acceleration of a projectile

Title (de)

Beschleunigungsvorrichtung zum Beschleunigen eines Projektils

Title (fr)

Dispositif d'accélération pour l'accélération d'un projectile

Publication

**EP 2700899 A3 20161012 (DE)**

Application

**EP 13180830 A 20130819**

Priority

DE 102012016667 A 20120823

Abstract (en)

[origin: EP2700899A2] The accelerator (10) has a sabot (18) provided with a projectile retainer (32), where a front end of the retainer receives a projectile (16). A sabot stopper (30) is arranged at a front end region of an acceleration pipe (12). A posterior end of the pipe is coupled with a compression device (34). The retainer is provided with a polygonal cross section area transverse to an acceleration direction (14). The pipe and the sabot respectively comprise a polygonal inner surface area (24) and a polygonal outer surface area (26) such that the sabot slides along the inner surface area of the pipe.

IPC 8 full level

**F41A 21/16** (2006.01); **F41A 21/46** (2006.01); **F41B 11/62** (2013.01); **F41B 11/723** (2013.01); **F42B 14/06** (2006.01)

CPC (source: EP)

**F41A 21/16** (2013.01); **F41A 21/46** (2013.01); **F41B 11/62** (2013.01); **F41B 11/723** (2013.01); **F42B 14/064** (2013.01)

Citation (search report)

- [XY] WO 2011066030 A2 20110603 - AEROVIRONMENT INC [US], et al
- [Y] DE 102008038258 B3 20100121 - DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]
- [Y] US 3536054 A 19701027 - STEPHENS GEORGE GWYNNE, et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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**EP 2700899 A2 20140226**; **EP 2700899 A3 20161012**; **EP 2700899 B1 20180110**; **EP 2700899 B8 20180221**; DE 102012016667 A1 20140227; DE 102012016667 B4 20161201; ES 2659922 T3 20180320

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