

Title (en)

PROJECTILE FOR USE IN AN ELECTROMAGNETIC LAUNCHER AND METHOD THEREFOR

Title (de)

GESCHOSS FÜR EINE ELEKTROMAGNETISCHE ABSCHUSSVORRICHTUNG UND VERFAHREN DAFÜR

Title (fr)

PROJECTILE UTILISE DANS UN LANCEUR ELECTROMAGNETIQUE ET SON PROCEDE D'UTILISATION

Publication

**EP 1212577 A2 20020612 (EN)**

Application

**EP 00991870 A 20000825**

Priority

- US 0040748 W 20000825
- US 38463399 A 19990827

Abstract (en)

[origin: WO0131279A2] A projectile for use with an electromagnetic launcher has an armature for conducting current between conducting rails of the launcher. The armature has a plurality of curved trailing arms. During launch of the projectile, the current flowing through the trailing arms of the armature, interacts with the magnetic fields generated by current flowing through the rails. The interaction causes the armature, and thus the projectile, to spin about its longitudinal axis.

[origin: WO0131279A2] A projectile (52) for use with an electromagnetic launcher has an armature (82) for conducting current between conducting rails (66, 68) of the launcher. The armature has a plurality of curved trailing arms. During launch of the projectile, the current flowing through the trailing arms (84) of the armature, interacts with the magnetic fields generated by current flowing through the rails. The interaction causes the armature, and thus the projectile, to spin about its longitudinal axis.

IPC 1-7

**F41B 6/00**; **F42B 6/00**

IPC 8 full level

**F42B 6/00** (2006.01)

CPC (source: EP)

**F42B 6/006** (2013.01)

Citation (search report)

See references of WO 0131279A2

Designated contracting state (EPC)

AT BE CH DE FR GB LI

DOCDB simple family (publication)

**WO 0131279 A2 20010503**; **WO 0131279 A3 20020103**; AU 3636001 A 20010508; EP 1212577 A2 20020612

DOCDB simple family (application)

**US 0040748 W 20000825**; AU 3636001 A 20000825; EP 00991870 A 20000825