

Title (en)

DEVICE FOR GUIDING A RECOILING MASS BY MEANS OF AN ELASTIC LINK MEMBER

Title (de)

VORRICHTUNG ZUR FÜHRUNG EINER RÜCKLAUFENDEN MASSE MITTELS EINES ELASTISCHEN VERBINDUNGSGLIEDES

Title (fr)

DISPOSITIF DE GUIDAGE D'UNE MASSE RECLANTE PAR UN ORGANE D'UN LIEN ÉLASTIQUE

Publication

EP 4147001 B1 20240320 (FR)

Application

EP 21728289 A 20210503

Priority

- FR 2004167 A 20200504
- IB 2021053690 W 20210503

Abstract (en)

[origin: WO2021224763A1] The invention relates to a weapon system (1) comprising a recoiling mass (2) and a cradle (3), wherein the recoiling mass comprises a weapon barrel (2a) and a breech sleeve (2b) and moves in translation during firing relative to the cradle (3) and a guide means is provided for guiding this recoil movement of the recoiling mass. This weapon system is characterized in that the guide means comprises at least one elastic link member (10) , the body (11) of which is secured to the recoiling mass (2) and comprises a prismatic external profile interacting with a complementary rail secured to the cradle (3).

IPC 8 full level

F41A 25/22 (2006.01)

CPC (source: EP IL KR US)

F41A 25/22 (2013.01 - EP IL KR US)

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

DOCDB simple family (publication)

FR 3109816 A1 20211105; FR 3109816 B1 20230310; AU 2021269207 A1 20221124; EP 4147001 A1 20230315; EP 4147001 B1 20240320; IL 297808 A 20221201; KR 20230019420 A 20230208; US 11821702 B2 20231121; US 2023184506 A1 20230615; WO 2021224763 A1 20211111

DOCDB simple family (application)

FR 2004167 A 20200504; AU 2021269207 A 20210503; EP 21728289 A 20210503; IB 2021053690 W 20210503; IL 29780822 A 20221030; KR 20227039057 A 20210503; US 202117918841 A 20210503