

Title (en)  
Recoil absorber

Title (de)  
Rückstoßdämpfer

Title (fr)  
Amortisseur de recul

Publication  
**EP 2400255 A2 20111228 (EN)**

Application  
**EP 11005117 A 20110623**

Priority  
IL 20663010 A 20100624

Abstract (en)  
The invention relates to devices which safely absorb recoil energy. The invention provides a recoil absorber (10) suitable for heavy mortars (12) and other firearms, being particularly useful where the weapon (12) is to be mounted on a lightweight vehicle. The device comprising a stationary mass (14) attachable to a light vehicle and a movable mass (16) slidably attached to the stationary mass (14), a first hydraulic cylinder (18) having a cylindrical component (20) and a piston component (22), one of the components (20,22) being rigidly attached to the stationery mass (14) and the remaining component (20,22) being attached in line to the movable mass (16) and an oil restrictor circuit (24) in fluid communication with the first hydraulic cylinder (18).

IPC 8 full level  
**F41A 25/02** (2006.01); **F41A 25/20** (2006.01)

CPC (source: EP)  
**F41A 25/02** (2013.01); **F41A 25/20** (2013.01)

Citation (applicant)  
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Designated contracting state (EPC)  
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Designated extension state (EPC)  
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