

Title (en)

ANTI-RECOIL DEVICE WITH BRAKE, BRAKE COMPENSATOR AND RECUPERATOR

Title (de)

VORRICHTUNG ZUR VERRINGERUNG DES RÜCKSTOSSES MIT BREMSE, BREMSKOMPENSATOR UND ROHRVORHOLER

Title (fr)

DISPOSITIF ANTI-RECU AVEC FREIN, COMPENSATEUR DU FREIN ET RECUPERATEUR

Publication

EP 1151236 B1 20030917 (FR)

Application

EP 00905119 A 20000211

Priority

- FR 0000348 W 20000211
- FR 9901863 A 19990216

Abstract (en)

[origin: US6536324B1] The invention relates to anti-recoil devices for guns and martars. The anti-recoil device has a brake with a principal cavity which houses a principal piston pierced with holes. The small chamber of the brake is connected by an opening to a subsidiary chamber closed by a fluid-tight piston. The principal cavity and the subsidiary chamber are filled with a liquid whilst a gas under pressure, located on the other side of the fluid-tight piston with respect to the subsidiary chamber, tends to push back the subsidiary piston. A valve partially obturates the holes of the principal piston, during the return to firing position, in order to brake that return.

IPC 1-7

F41A 25/20

IPC 8 full level

F41A 25/20 (2006.01)

CPC (source: EP US)

F41A 25/20 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6536324 B1 20030325; AT E250205 T1 20031015; DE 60005303 D1 20031023; DE 60005303 T2 20040708; DK 1151236 T3 20040126; EP 1151236 A1 20011107; EP 1151236 B1 20030917; ES 2208274 T3 20040616; FR 2789760 A1 20000818; FR 2789760 B1 20011207; JP 2002537541 A 20021105; JP 4505990 B2 20100721; NO 20013970 D0 20010815; NO 20013970 L 20011015; NO 320190 B1 20051107; PT 1151236 E 20040227; WO 0049358 A1 20000824

DOCDB simple family (application)

US 92601901 A 20010815; AT 00905119 T 20000211; DE 60005303 T 20000211; DK 00905119 T 20000211; EP 00905119 A 20000211; ES 00905119 T 20000211; FR 0000348 W 20000211; FR 9901863 A 19990216; JP 2000600052 A 20000211; NO 20013970 A 20010815; PT 00905119 T 20000211