

Title (en)  
DEVICE FOR BRINGING AN EXTERNALLY POWERED GUN TO A QUICK STOP

Publication  
**EP 0124072 B1 19871209 (DE)**

Application  
**EP 84104613 A 19840425**

Priority  
DE 3316072 A 19830503

Abstract (en)  
[origin: US4699040A] An arrangement for rapidly stopping the movable parts of machine cannons with independent external drives wherein a rotating element, which rotates in dependence to a rotating control drum drivingly connected to the breech block, is stopped at misfiring or delayed firing within the breech block locking period of the firing cycle by a locking element which is actuated by propellant charge gas pressure. The arrangement of the invention prevents a shock-like braking and transfer of the kinetic energy of the movable parts of the machine cannon and provides for an automatic release of the blocking element. The arrangement includes a rotating rod spring coaxially mounted within the control drum by means of which the kinetic energy of the rotating masses of the breech drive are elastically braked. Such energy transfer can even be effected with a delayed ignition because by means of positive interruption of the propellant charge gases traversing an annular chamber the release of the blocking element is prevented and it is not lifted off a cam disc. This blocking element can, however, be separately lifted of the cam disc by means of a release lever.

IPC 1-7  
**F41D 7/00**

IPC 8 full level  
**F41A 7/08** (2006.01); **F41A 17/18** (2006.01)

CPC (source: EP US)  
**F41A 7/08** (2013.01 - EP US); **F41A 17/18** (2013.01 - EP US)

Citation (examination)  
DE 3116541 A1 19821111 - RHEINMETALL GMBH [DE]

Cited by  
EP0519821A1; FR2678056A1; US5231243A; US5251562A; FR2664685A1; US5138930A; EP0531596A1; WO2015193274A1

Designated contracting state (EPC)  
CH DE FR LI

DOCDB simple family (publication)  
**EP 0124072 A2 19841107; EP 0124072 A3 19851030; EP 0124072 B1 19871209**; DE 3316072 A1 19841108; DE 3468071 D1 19880121; US 4699040 A 19871013

DOCDB simple family (application)  
**EP 84104613 A 19840425**; DE 3316072 A 19830503; DE 3468071 T 19840425; US 84905186 A 19860407