

Title (en)

FIRING DEVICE FOR CARTRIDGES, ESPECIALLY FOR HAND FIRE-ARMS

Publication

EP 0112526 B1 19870304 (DE)

Application

EP 83112333 A 19831208

Priority

- DE 3247211 A 19821221
- DE 3332530 A 19830909

Abstract (en)

[origin: US4563828A] A detonator mechanism for use with cartridges normally actuatable by firing pin and having a casing which has at least a partial region which includes a floor portion. The housing contains detonating means which can be ignited above a predetermined detonating temperature. A portion of the weapon, which contains at least one of the cartridges, is electrically connected to the conductive region of the casing. A detonating current transfer device made of an electrically conductive material is movably supported with respect to the floor portion, and is arranged to establish contact with the floor portion. At least one rechargeable capacitor serves as a source of detonating current. The source of detonating current, the detonating current transfer device, the detonator, the casing, and the portion of the weapon form a series-connected circuit, and a switch is connected to the circuit. The detonating current is selected so that heat generated thereby in a transition resistance arising during contact between the floor portion and the detonating current transfer device is sufficient to heat the detonating means at least up to the detonating temperature.

IPC 1-7

F41C 19/12

IPC 8 full level

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CPC (source: EP US)

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