

Title (en)
Electrical circuit for igniting a detonator.

Title (de)
Elektrische Schaltung zum Auslösen der Zündung einer Sprengkapsel.

Title (fr)
Circuit électrique pour l'allumage d'un détonateur.

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EP 0008835 A1 19800319 (FR)

Application
EP 79200482 A 19790903

Priority
CH 932978 A 19780905

Abstract (en)
[origin: ES483864A1] Electric circuit for firing a detonator for a projectile, comprising a generator for charging a first condenser and a second condenser connected in series, the aforesaid first condenser being connected in series with a contactor, a primer and a semi-conductor component with a controlled conductivity, and means for stabilizing the voltage of one of the aforesaid condensers and for preventing the firing of the primer during a predetermined time, in which the aforesaid means comprise a first voltage divider connected in parallel with the series connection of the aforesaid first condenser and second condenser and aforesaid contactor, the control electrode of the aforesaid semi-conductor component being connected with the intermediate point of the aforesaid first voltage divider comprising a transistor, the base of which is connected with the intermediate point of a second voltage divider connected in parallel with the aforesaid second condenser, the capacity of which is many times greater than the capacity of the first condenser.

Abstract (fr)
Circuit électrique pour l'allumage d'un détonateur pour projectile. Un générateur charge deux condensateurs (C1, C2) en série. La tension du condensateur (C2) est limitée par l'effet Zener se produisant entre la gachette et la cathode du thyristor (T1). Ce dernier devient conducteur après un temps déterminé à compter de la charge du condensateur (C1), ce qui permet, lors de la fermeture du contact, de provoquer la mise à feu de l'amorce (5). Le but est d'obtenir par des moyens simples une sécurité de bouche très précise.

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F42C 11/06

IPC 8 full level
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Citation (search report)

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