

Title (en)
SAFETY CIRCUIT FOR AN ELECTRIC PRIMER

Publication
EP 0179201 B1 19920304 (DE)

Application
EP 85108803 A 19850713

Priority
DE 3431818 A 19840830

Abstract (en)
[origin: US4769734A] A safety circuit for an electric detonator element connected to two electrical leads and having a subsequently arranged detonable charge. The safety circuit includes an electrical component connected in parallel to the detonator element between the two leads, the electrical component having an initial condition wherein the electrical component is at least substantially electrically non-conductive. The electrical component is responsive to a signal having a voltage value above a maximum ignition voltage value for enabling triggering of a detonator element for being converted from the initial condition thereof to a final condition wherein the electrical component provides a short circuit path in parallel to the detonator element so as to prevent improper initiation of the electrical detonator element.

IPC 1-7
F42B 3/18; F42C 15/40

IPC 8 full level
F42B 3/18 (2006.01); **F42C 15/40** (2006.01)

CPC (source: EP US)
F42C 15/40 (2013.01 - EP US)

Cited by
CN103411486A; DE3637988A1

Designated contracting state (EPC)
BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
DE 3431818 A1 19860313; DE 3585487 D1 19920409; EP 0179201 A2 19860430; EP 0179201 A3 19900307; EP 0179201 B1 19920304; US 4769734 A 19880906

DOCDB simple family (application)
DE 3431818 A 19840830; DE 3585487 T 19850713; EP 85108803 A 19850713; US 77101985 A 19850830