

Title (en)
IMPACT FUZE FOR A PROJECTILE

Publication
EP 0227919 B1 19890503 (DE)

Application
EP 86115320 A 19861105

Priority
CH 537985 A 19851217

Abstract (en)
[origin: US4726294A] It happens time and again that a fuze does not function and that the projectile remains in the field or the place where it landed as a dud. When such a dud is found the danger exists that it might explode upon the finder's touch or when moved or lifted. To prevent this danger the impact fuze in a dud should be able to de-arm itself in a non-explosive manner. This is achieved by positioning a dud insert or de-arming device between an explosive or firing train and a booster charge. This dud de-arming device contains an escapement device which after a predetermined delay time following impact of the projectile moves a rotor from its armed or live position into its de-armed or inert position. The dud de-arming device contains structure which, by virtue of the impact delay or deceleration, that is a delay in ignition of the booster charge upon the projectile hitting the target or ground, activates the escapement mechanism.

IPC 1-7
F42C 15/18; **F42C 19/00**

IPC 8 full level
F42C 15/188 (2006.01); **F42C 15/44** (2006.01)

CPC (source: EP US)
F42C 15/188 (2013.01 - EP US); **F42C 15/44** (2013.01 - EP US)

Cited by
EP0342399A1; US4915028A

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

DOCDB simple family (publication)
EP 0227919 A1 19870708; **EP 0227919 B1 19890503**; CA 1287260 C 19910806; DE 3663196 D1 19890608; NO 161584 B 19890522; NO 161584 C 19890830; NO 864878 D0 19861204; NO 864878 L 19870618; US 4726294 A 19880223

DOCDB simple family (application)
EP 86115320 A 19861105; CA 524838 A 19861209; DE 3663196 T 19861105; NO 864878 A 19861204; US 93987086 A 19861209