

Title (en)
FUSE FOR A HAND GRENADE

Title (de)
ZÜNDER FÜR EINE HANDGRANATE

Title (fr)
DETONATEUR POUR GRENADE A MAIN

Publication
EP 1397635 B1 20041222 (DE)

Application
EP 02740174 A 20020617

Priority
• EP 02740174 A 20020617
• CH 0200328 W 20020617
• EP 01810588 A 20010618

Abstract (en)
[origin: WO02103279A1] Accidents frequently occur when handling conventional hand grenades as well as during their transport and/or before their use due to the fact that their safety is insufficient. A considerable improvement is effected by a fuse (1) having three safety mechanisms. When secured, a firing pin piece (22) serving as an impact hammer (21) cannot rotate since its bearing (24) is blocked on a cylinder (50). An ignition likewise cannot occur as a result of an orthogonal displacement of the firing pin (2) with regard to the longitudinal axis (A), said firing pin being located inside a slide (70). As a third mechanism, a safety splint (3) cannot be removed as long as the fuse body (4) is not rotated with regard to the grenade (10) around angle (ss). The manual control of the rotational movement is effected by a locking bolt (60). The cylinder (50) is loaded toward a secured position by a spiral spring (56).

IPC 1-7
F42C 14/02

IPC 8 full level
F42C 14/02 (2006.01)

CPC (source: EP)
F42C 14/02 (2013.01)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02103279 A1 20021227; AT E285563 T1 20050115; DE 50201845 D1 20050127; DK 1397635 T3 20050314; EP 1397635 A1 20040317; EP 1397635 B1 20041222; ES 2235052 T3 20050701; PT 1397635 E 20050429

DOCDB simple family (application)
CH 0200328 W 20020617; AT 02740174 T 20020617; DE 50201845 T 20020617; DK 02740174 T 20020617; EP 02740174 A 20020617; ES 02740174 T 20020617; PT 02740174 T 20020617