

Title (en)
Mechano-electronic fuze for hand grenade

Title (de)
Mechanisch-elektrischer Zünder für eine Handgranate

Title (fr)
Fusée électromécanique pour grenade à main

Publication
EP 0781975 A2 19970702 (EN)

Application
EP 96500067 A 19960530

Priority
ES 9502554 A 19951229

Abstract (en)
It consists of conventional mechanical carriage and handling safety-devices and safety-devices functioning mechanically and electronically. An original autonomous electric supply system. An electronic rather than a pyrotechnic delay. An explosive chain that changes from being misaligned to being in line, and able to trigger the detonation of the main charge in a hand-grenade. The energy required for it to function is stored in a spring (205) driving an electric generator (501), which improves storage, handling and use safeties, and the repeatability of the delay at any temperature, concurrently very substantially extending its useful life. <IMAGE>

IPC 1-7
F42C 14/02; **F42C 11/04**; **F42C 15/184**

IPC 8 full level
F42C 11/00 (2006.01); **F42C 11/04** (2006.01); **F42C 15/184** (2006.01)

CPC (source: EP)
F42C 11/003 (2013.01); **F42C 11/04** (2013.01); **F42C 15/184** (2013.01)

Cited by
US7013809B1; DE10241724B4; ES2176060A1; DE10316875A1; DE10316875A8; DE10316875B4; US7387156B2; US7197983B2; WO0131283A1

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

DOCDB simple family (publication)
EP 0781975 A2 19970702; **EP 0781975 A3 19980318**; **EP 0781975 B1 20010829**; AT E204987 T1 20010915; DE 69614816 D1 20011004; DE 69614816 T2 20020425; DK 0781975 T3 20011210; ES 2136485 A1 19991116; ES 2136485 B1 20000516; PT 781975 E 20020228

DOCDB simple family (application)
EP 96500067 A 19960530; AT 96500067 T 19960530; DE 69614816 T 19960530; DK 96500067 T 19960530; ES 9502554 A 19951229; PT 96500067 T 19960530