

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

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