

Title (en)

AN ELECTRONIC DETONATING SYSTEM FOR A SUBMUNITION AND A METHOD FOR ARMING THE SYSTEM

Title (de)

ELEKTRONISCHES ZÜNDUNGSSYSTEM FÜR EINE SUBMUNITION UND VERFAHREN ZUM SCHARFMACHEN DES SYSTEMS

Title (fr)

SYSTEME DE MISE A FEU ELECTRONIQUE POUR SOUS-MUNITION ET PROCEDE D'ARMEMENT DE CE SYSTEME

Publication

EP 1558892 A4 20101013 (EN)

Application

EP 03759168 A 20031104

Priority

- SG 0300256 W 20031104
- SG 200206772 A 20021108

Abstract (en)

[origin: WO2004042316A1] An electronic detonating system (10) for a submunition and a method for arming the system (10) are described. The system (10) has a system housing (12) and a rotor switch assembly (14) mounted to the system housing (12). The rotor switch assembly (14) has a rotor housing (16) with a spring mount (34), a rotor (18) mounted to the rotor housing (16), electronic switch circuitry (20) coupled to an electric detonator and mounted to the rotor (18), a rotor retaining pin (22) coupled to a catch (24) formed by the electronic switch circuitry (20) to thereby retain the rotor (18) in a safe mode prior to arming the system (10) after launching the submunition, and a torsion spring (26) mounted to the spring mount (34) to bias the rotor (18) towards an arming position of the system (10) upon disengagement of the rotor retaining pin (22) from the catch (22).

IPC 8 full level

F42C 15/40 (2006.01); **F42C 15/192** (2006.01); **F42C 15/21** (2006.01); **F42C 15/23** (2006.01); **F42C 15/24** (2006.01); **F42C 15/28** (2006.01)

CPC (source: EP)

F42C 15/192 (2013.01); **F42C 15/24** (2013.01); **F42C 15/28** (2013.01); **F42C 15/40** (2013.01)

Citation (search report)

- No Search
- See references of WO 2004042316A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004042316 A1 20040521; AU 2003274888 A1 20040607; EP 1558892 A1 20050803; EP 1558892 A4 20101013; SG 109508 A1 20050330

DOCDB simple family (application)

SG 0300256 W 20031104; AU 2003274888 A 20031104; EP 03759168 A 20031104; SG 200206772 A 20021108