

Title (en)
Short circuit switch with improved security

Title (de)
Kurzschlusschalter mit verbesserter Sicherheit

Title (fr)
Commutateur de court-circuit à sécurité améliorée

Publication
EP 2261942 A3 20120829 (FR)

Application
EP 10164553 A 20100601

Priority
FR 0953775 A 20090608

Abstract (en)
[origin: EP2261942A2] The switch has a liberation element (7) mounted between an actuating rod (5) and an attachment point (8) fixed relative to a fixed contact (2) to block the rod in translation. A pyrotechnic isolator (12) is provided with a cutting tool for cutting the liberation element. The tool is moved in translation from a retracted state to a triggering state when the isolator is ignited, the rod is released and displaced, an elastic element (9) is triggered, and the switch is closed. An independent claim is also included for an electric circuit comprising electronic components associated to a switch.

IPC 8 full level
H01H 39/00 (2006.01); **H01H 3/36** (2006.01); **H01H 33/66** (2006.01); **H01H 79/00** (2006.01)

CPC (source: EP)
H01H 39/004 (2013.01); **H01H 3/36** (2013.01); **H01H 33/666** (2013.01); **H01H 79/00** (2013.01)

Citation (search report)
• [AD] EP 1514287 B1 20060531 - EATON CORP [US]
• [AD] WO 2007095873 A1 20070830 - SIEMENS AG [DE], et al

Cited by
FR2971080A1; CN103348432A; FR2964783A1; GB2511388A; GB2511388B; US9202641B2; US9202645B2; WO2012104377A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2261942 A2 20101215; EP 2261942 A3 20120829; FR 2946455 A1 20101210; FR 2946455 B1 20110701

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