Title (en)
  Safety switch

Title (de)
  Schutzschalter

Title (fr)
  Interrupteur de sécurité

Publication
  EP 2141715 A1 20100106 (EN)

Application
  EP 08011840 A 20080701

Priority
  IT VI20080160 A 20080630

Abstract (en)
  A push button safety switch comprising a box-like body (2) which houses therein at least one pair of stationary contacts (3, 4), a first slider (5) movable between two end positions (A, B), at least one pair of movable contacts (6, 7) operably connected to the first slider (5) to translate relative to the stationary contacts (3, 4) between the end positions (A, B), and to cause the circuit to open and close respectively, as well as a control push button (8) operably associated with the first slider (5) to cause it to slide within the box-like body (2), means for positive motion transmission (14) interposed between the push button (8) and the first slider (5) to cause positive opening of the circuit as the push button (8) is pressed, when the box-like body (2) is normally coupled to the push button (8), or as it accidentally disengages therefrom.

IPC 8 full level
  H01H 3/02 (2006.01)

CPC (source: EP)
  H01H 3/022 (2013.01)

Citation (applicant)
  • WO 2006094928 A1 20060914 - SIEMENS AG [DE], et al
  • EP 1801830 A1 20070627 - SIEMENS AG [DE]
  • US 6198058 B1 20010306 - GRANINGER FRANK J [US], et al
  • DE 10047998 A1 20010329 - ALLEN BRADLEY COMPANY L L C [US]
  • EP 0932171 A2 19990728 - HONEYWELL INC [US]
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  • JP 2003308756 A 20031031 - IDEC IZUMI CORP
  • JP 2003272468 A 20030926 - IDEC IZUMI CORP
  • EP 1801827 A1 20070627 - SIEMENS AG [DE]

Citation (search report)
  • [X] US 6198058 B1 20010306 - GRANINGER FRANK J [US], et al
  • [DA] EP 1801827 A1 20070627 - SIEMENS AG [DE]

Cited by
  EP2624674A1; CN103227068A; US9171682B2

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

Designated extension state (EPC)
  AL BA MK RS

DOCDB simple family (publication)
  EP 2141715 A1 20100106; **EP 2141715 B1 20150408**; IT VI20080160 A1 20100101

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  EP 08011840 A 20080701; IT VI20080160 A 20080630