

Title (en)
Differential switch.

Title (de)
Differentialschutz.

Title (fr)
Disjoncteur différentiel.

Publication
EP 0519560 A1 19921223 (EN)

Application
EP 92201715 A 19920612

Priority
BE 9100593 A 19910620

Abstract (en)
The differential switch includes an externally operated, tiltable control knob (11), electric contacts (6,7) that try to put a spring in the open position and the rotatable parts (7) of which are mechanically connected to one another, a toggle lever (14,15) which connects the control knob (11) with the rotatable contact parts (7), an arm (19), which is fixed and hinged to this toggle lever (14,15), a control lever (21) at which the arm (19) has a hinged connection, a hinged locking device (23) which includes a stop part (25) behind which, in the case of the lock (23) in the lock position, the control lever (21) is pulled, with the control knob (11) engaged and closed contacts (6,7), the lock (23) which, on rotation from the lock position, releases the lever (21), and a locking rocker (28) which includes a stop part (27), that, in one position, holds the lock (23) in the lock position but in the case of fault current detection is pushed out of this position, releasing the lock (23). When the control knob (11) is engaged, a locking spring (30) tries to get the lock (23) out of the lock position and in addition, exerts a force on the lock (23) that is considerably bigger than the force necessary to turn the lock (23) with respect to the control lever (21) when it is released. <IMAGE>

IPC 1-7
H01H 71/08; **H01H 71/50**; **H01H 71/52**; **H01H 83/04**

IPC 8 full level
H01H 71/08 (2006.01); **H01H 71/50** (2006.01); **H01H 71/52** (2006.01); **H01H 83/04** (2006.01)

CPC (source: EP)
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• [AD] DE 8702467 U1 19870402
• [A] CH 483114 A 19691215 - STOTZ KONTAKT GMBH [DE]
• [A] FR 2018850 A1 19700626 - SIEMENS AG

Cited by
EP0847070A3; CN1302502C; EP1361591A3

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