

Title (en)  
A CIRCUIT BREAKER.

Title (de)  
LASTSCHALTER.

Title (fr)  
COUPE-CIRCUIT.

Publication  
**EP 0470215 B1 19950927 (EN)**

Application  
**EP 91903475 A 19910121**

Priority  
• IE 65690 A 19900223  
• US 9100380 W 19910121

Abstract (en)  
[origin: WO9113454A1] A residual current circuit breaker (1) has a partition wall (3) which separates an over-current protection device (4) from a residual current detection circuit (5). A plunger rod (24) extends through a bore (23) in the armature (21) of a coil (20) and is moved independently through the coil (20) to trip the breaker if a residual current is detected by the circuit (5). The plunger rod (24) is moved by a drive rod (31), the operation of which is controlled by a permanent magnet (35) which retains the drive rod (31) retracted and an electromagnet (30) which allows the drive rod (31) to drive forwardly under the action of a spring (32) in the event of a residual current being detected. The plunger rod (30) is reset by a reset lever (40) which is moved when an operating handle (18) of the breaker moves from a non-tripped to a tripped position on tripping of the breaker.

IPC 1-7  
**H01H 73/00**; **H02H 3/00**

IPC 8 full level  
**H01H 73/36** (2006.01); **H01H 83/02** (2006.01); **H01H 83/20** (2006.01); **H01H 71/10** (2006.01); **H01H 83/04** (2006.01)

CPC (source: EP)  
**H01H 83/20** (2013.01); **H01H 71/1072** (2013.01); **H01H 83/04** (2013.01)

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**WO 9113454 A1 19910905**; AU 639986 B2 19930812; AU 7225691 A 19910918; CA 2053238 A1 19910824; DE 69113364 D1 19951102; DE 69113364 T2 19960314; EP 0470215 A1 19920212; EP 0470215 A4 19930505; EP 0470215 B1 19950927; IE 71036 B1 19970115; IE 900656 A1 19910828; JP 2735384 B2 19980402; JP H04507168 A 19921210

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**US 9100380 W 19910121**; AU 7225691 A 19910121; CA 2053238 A 19910121; DE 69113364 T 19910121; EP 91903475 A 19910121; IE 65690 A 19900223; JP 50360391 A 19910121