

Title (en)

LOAD BREAK SWITCH WITH SAFETY MECHANISM

Publication

EP 0158520 A3 19861112 (EN)

Application

EP 85302397 A 19850404

Priority

US 59855884 A 19840409

Abstract (en)

[origin: EP0158520A2] A single-phase ground enclosed load break switch for distribution voltages has a hermetically sealed cylindrical metal housing (210) of from 2 to 6 inches diameter which contains an insulating gas under pressure. The switch has a movable contact assembly to contact a pair of opposed stationary coaxial conductors with the housing. A rocking bellows (266) at the fulcrum of a crank actuator (264) provides a compact hermetic seal for the actuator without excessive strain of the bellows. A safety interlock (302,310,260) with a visual indicator (318,320) locks the contact assembly in case of a loss of pressure. Excessive pressure in the switch causes the bellows (266) to be punctured with consequent locking of the contact assembly. The switch is small enough to be mounted directly on a transformer or placed into a cable, without the need for a separate enclosure.

IPC 1-7

H01H 33/56

IPC 8 full level

H01H 33/64 (2006.01); **H01H 33/46** (2006.01); **H01H 33/56** (2006.01)

CPC (source: EP)

H01H 33/563 (2013.01)

Citation (search report)

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- [X] GB 1026435 A 19660420 - S & C ELECTRIC CO
- [X] US 3077527 A 19630212 - GOLDBACH WILLIAM R, et al
- [A] CH 372722 A 19631031 - CONTINENTAL ELEKTRO IND AG [DE]
- [A] GB 841341 A 19600713 - ASEA AB

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Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0158520 A2 19851016; EP 0158520 A3 19861112; AU 4095385 A 19851017; BR 8501630 A 19851203; CA 1253184 A 19890425; DK 153785 A 19851010; DK 153785 D0 19850403; ES 542026 A0 19860601; ES 8608225 A1 19860601; JP S60230324 A 19851115; NO 851407 L 19851010; ZA 852616 B 19861230

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EP 85302397 A 19850404; AU 4095385 A 19850409; BR 8501630 A 19850408; CA 478589 A 19850404; DK 153785 A 19850403; ES 542026 A 19850408; JP 7634485 A 19850409; NO 851407 A 19850409; ZA 852616 A 19850409