Title (en)

OVERCURRENT CIRCUIT BREAKER

Publication

EP 0408982 A3 19920701 (DE)

Application

EP 90112708 A 19900703

Priority

US 38095589 A 19890717

Abstract (en)

[origin: US4984123A] A push-push (make-break) switch (43) including a thermally operated circuit breaker release is adapted for controlling an electric motor (42). The switch (43) may be employed by itself or used in conjunction with a standard control switch (41) connected to auxiliary contacts (15 and 18) which are normally closed but opened when switch (43) is activated. When switch (43) is momentarily activated, it becomes latched to continue operation of the motor (42) until the motor stalls upon completion of a task. The increased current draw of the motor (42) is sensed by a bi-metalic element (27) whose free end moves to automatically release the switch (43) and disrupt its continuity path. The switch (43) is in a compact, self-contained, design which provides various different operational features. In automotive applications, switch (43) provides convenient express operation of motor operated accessories such as power windows and the like.

IPC 1-7

H01H 73/30

IPC 8 full level

H01H 13/56 (2006.01); **G05F 3/08** (2006.01); **H01H 37/52** (2006.01); **H01H 37/74** (2006.01); **H01H 73/30** (2006.01)

CPC (source: EP US)

H01H 73/306 (2013.01 - EP US); H01H 2300/01 (2013.01 - EP US)

Citation (search report)

- [A] DE 3313465 A1 19841018 - ELLENBERGER & POENSGEN [DE]
- [AD] FR 2380703 A7 19780908 - ELLENBERGER & POENSGEN [DE]
- [A] DE 8516297 U1 19850905

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0408982 A2 19910123; **EP 0408982 A3 19920701**; **EP 0408982 B1 19941109**; DE 59007675 D1 19941215; ES 2063866 T3 19950116; JP 2814012 B2 19981022; JP H0357121 A 19910312; US 4984123 A 19910108

DOCDB simple family (application)

EP 90112708 A 19900703; DE 59007675 T 19900703; ES 90112708 T 19900703; JP 18735390 A 19900717; US 38095589 A 19890717