

Title (en)
ELECTRIC CIRCUIT BREAKER CONTACTOR FOR CAPACITOR BATTERIES

Publication
EP 0211707 B1 19900613 (FR)

Application
EP 86401392 A 19860625

Priority
FR 8510394 A 19850704

Abstract (en)
[origin: US4725911A] The circuit breaker-contactor includes a circuit breaker part with mechanical contacts and a contactor part with mechanical contacts connected in series. A solid-state switch is connected in parallel to the contacts of the contactor part. A control unit controls the solid-state switch and the contactor part, in such a way as to close the circuit when the potential difference passes zero by conduction or interrupting the solid-state switch. The mechanical contacts perform only current conduction by shunting the switch in normal operation. The contacts of the circuit breaker part have associated with them an arcing electrode and a shunt circuit disposed to draw the arc, as soon as the contacts open, and to shunt the solid-state switch and contactor part mechanical contacts assembly.

IPC 1-7
H01H 9/54; **H01H 71/68**

IPC 8 full level
H01H 9/54 (2006.01); **H01H 33/59** (2006.01); **H01H 89/06** (2006.01); **H01H 9/46** (2006.01)

CPC (source: EP US)
H01H 9/542 (2013.01 - EP US); **H01H 89/06** (2013.01 - EP US); **H01H 9/465** (2013.01 - EP US)

Cited by
EP0465694A1; EP0649156A1; FR2711271A1; US5493264A

Designated contracting state (EPC)
BE CH DE GB IT LI SE

DOCDB simple family (publication)
FR 2584529 A1 19870109; **FR 2584529 B1 19950106**; DE 3672020 D1 19900719; EP 0211707 A1 19870225; EP 0211707 B1 19900613; JP H0746552 B2 19950517; JP S6286619 A 19870421; US 4725911 A 19880216

DOCDB simple family (application)
FR 8510394 A 19850704; DE 3672020 T 19860625; EP 86401392 A 19860625; JP 15715886 A 19860703; US 87995986 A 19860630