

Title (en)
ELECTRIC POWER CIRCUIT BREAKER

Publication
EP 0075341 B1 19850123 (DE)

Application
EP 82201030 A 19820816

Priority
CH 597081 A 19810916

Abstract (en)
[origin: US4463230A] An electric power circuit breaker includes two switching elements which can move, relative to each other, in an extinguishing gas and which contain, in each case, at least one main current contact and at least one arcing contact. A cylindrical coil is connected between the arcing contact and the main current contact of one of the two switching elements. This coil is provided with a ferromagnetic core, as a result of which the magnetic field of the coil exhibits a high field strength at the position occupied by an arc-commutating ring which is connected to the coil. In this circuit breaker, the commutation of heavy currents from the main current path to the coil path is accomplished in a reliable manner at all times and by simple means. This is achieved when the core is installed in a manner permitting its displacement along the axis of the coil. When the circuit breaker is in the circuit making position the core passes through no more than a portion of the interior of the coil. It closes off the interior of the coil and is flush with the arc-commutating ring when the circuit breaker is in the current breaking position.

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H01H 33/18

IPC 8 full level
H01H 33/18 (2006.01); **H01H 33/98** (2006.01); **H01H 33/985** (2006.01)

CPC (source: EP US)
H01H 33/18 (2013.01 - EP US); **H01H 33/982** (2013.01 - EP US)

Cited by
DE3341930A1; DE3341903A1; FR2554273A1

Designated contracting state (EPC)
CH DE FR LI SE

DOCDB simple family (publication)
EP 0075341 A1 19830330; EP 0075341 B1 19850123; DE 3262053 D1 19850307; JP H0354412 B2 19910820; JP S5887719 A 19830525; US 4463230 A 19840731; YU 173582 A 19850320

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