Title (en)

CIRCUIT BREAKER

Title (de)

SCHUTZSCHALTER

Title (fr)

DISJONCTEUR

Publication

EP 1187158 A1 20020313 (EN)

Application

EP 00909734 A 20000317

Priority

JP 0001673 W 20000317

Abstract (en)

A circuit breaker is obtained in which it is not required to dispose a phase block between interrupting units, and a case constituting an interrupting unit is hardly broken by flowing of a blast of arc gas which is produced between contacts when a large current such as a short-circuit current flows. In a circuit breaker having: a contactor mechanism which is configured by a movable contactor 18 and a stationary contactor 17; an opening/closing mechanism 30 for causing the contactor mechanism to perform an opening/closing operation; an arc distinguishing device 59 which attracts an arc in a predetermined direction, the arc being generated when the contactor mechanism is opened; and a housing 10 which is formed so as to accommodate the mechanisms and the device, the contactor mechanism and the arc distinguishing device are accommodated in cases 51 and 52 made of an insulating material to constitute a single-pole interrupting unit 50, 53, or 56, and a plurality of such single-pole interrupting units are closely juxtaposed to constitute a plural-pole interrupting unit. <IMAGE>

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H01H 71/12

IPC 8 full level

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CPC (source: EP KR)

H01H 71/0235 (2013.01 - EP); **H01H 71/0257** (2013.01 - EP); **H01H 71/10** (2013.01 - KR); **H01H 71/1009** (2013.01 - EP); H01H 71/0271 (2013.01 - EP)

Cited by

FR2882610A1; FR2950475A1; RU2741568C1; FR2950476A1; EA023980B1; EP2674951A1; CN104335311A; US8829369B2; US9064645B2; WO2011033183A1; WO2011033184A1

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