

Title (en)
Polyphase high-voltage circuit breaker

Title (de)
Mehrphasiger Hochspannungsschalter

Title (fr)
Interrupteur polyphasé à haute tension

Publication
EP 0541078 B1 19960731 (EN)

Application
EP 92118932 A 19921105

Priority
SE 9103300 A 19911108

Abstract (en)
[origin: EP0541078A2] The invention relates to a three-pole high-voltage circuit breaker with a device for synchronous closing or opening in relation to the phase position of voltage or current in the respective poles. The breaker has an operating mechanism with a rotary shaft (5) which is common to all the poles. The necessary time-lag between the instants of closing or opening in the different phases is brought about by mechanical means by connecting the movable contact (2) in each pole to the common rotary shaft (5) via an operating rod (3) and a crank lever (4) fixed to the shaft, the angle (aR, aS aT) between the crank lever and the direction of movement of the movable contact in one of the breaker poles differing in magnitude from the corresponding angle (aR, aS aT) in at least one of the other poles. By mutual adaptation of the lengths of the three crank levers (4), the same length of contact travel (s<5>) in the different breaker poles can be obtained.

IPC 1-7
H01H 1/00; H01H 33/44; H01H 33/02

IPC 8 full level
H01H 9/56 (2006.01)

CPC (source: EP)
H01H 9/563 (2013.01)

Cited by
EP0663675A1; US5510590A; EP0863524A1; FR2760125A1; US5936213A

Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
EP 0541078 A2 19930512; EP 0541078 A3 19930922; EP 0541078 B1 19960731; DE 69212563 D1 19960905; DE 69212563 T2 19970306; ES 2092616 T3 19961201; SE 468872 B 19930329; SE 9103300 D0 19911108; SE 9103300 L 19930329

DOCDB simple family (application)
EP 92118932 A 19921105; DE 69212563 T 19921105; ES 92118932 T 19921105; SE 9103300 A 19911108