

Title (en)
CIRCUIT BREAKER.

Title (de)
LEISTUNGSSCHALTER.

Title (fr)
COUPE-CIRCUIT.

Publication
EP 0281622 B1 19931124 (EN)

Application
EP 87906398 A 19870904

Priority
DK 450286 A 19860919

Abstract (en)
[origin: WO8802178A1] Circuit breaker with a number of movable contact members (20) and a corresponding number of fixed contact members (25, 26) where at least one of the contact members comprises a spring-loaded set of contact rolls (20) with several rolls (21, 22, 23, 24) arranged in such a way as to contact plane side surfaces of two contact bars (25, 26) between the rolls, said rolls being able to glide or roll on said surfaces during the closing and opening of the circuit breaker. In order to limit the necessary travel of the movable contact members between the closing and the opening it is suggested to arrange the set of contact rolls (20) and the co-operating contact bars (25, 26) so that they form a stepped engagement. Thus the physical dimensions of the circuit breaker are reduced compared to the prior art, even with circuit breakers with several poles and for heavy currents.

IPC 1-7
H01H 1/16

IPC 8 full level
H01H 1/16 (2006.01); **H01H 1/36** (2006.01)

CPC (source: EP)
H01H 1/16 (2013.01); **H01H 1/365** (2013.01)

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8802178 A1 19880324; AU 603616 B2 19901122; AU 8073587 A 19880407; DE 3788277 D1 19940105; DE 3788277 T2 19940331; DK 158422 B 19900514; DK 158422 C 19901022; DK 450286 A 19880320; DK 450286 D0 19860919; EP 0281622 A1 19880914; EP 0281622 B1 19931124; ES 2005325 A6 19890301; FI 88084 B 19921215; FI 88084 C 19930325; FI 882341 A0 19880518; FI 882341 A 19880518; GR 871434 B 19880122

DOCDB simple family (application)
DK 8700108 W 19870904; AU 8073587 A 19870904; DE 3788277 T 19870904; DK 450286 A 19860919; EP 87906398 A 19870904; ES 8702659 A 19870915; FI 882341 A 19880518; GR 870101434 A 19870916