

Title (en)

Moving contact arrangement with a shielding part.

Title (de)

Bewegbare Kontaktanordnung mit einem Abschirmkörper.

Title (fr)

Agencement de contacts mobiles avec écran.

Publication

EP 0358289 B1 19941123 (DE)

Application

EP 89250029 A 19890907

Priority

US 24209288 A 19880908

Abstract (en)

[origin: JPH02117025A] PURPOSE: To provide an integral composite for isolating and insulating all contact blades of one phase of a circuit breaker by an insulating device by providing a means for keeping the space between contact blades and a means for shielding the lower surfaces of the contact blades from arc on the insulating device. CONSTITUTION: This device has 10 contact blades 18 isolated by a movable contact blade barrier 20, the barrier 20 is formed of a component having a plurality of spacers 22 for keeping the space between the contact blades 18, an engaging part housing hole 24, and a bulkhead 26, and the engaging part housing hole 24 gives the space for mounting a device for rotating the blades 18 on the barrier 20. The device for rotating the blades 18 is mounted on the barrier 20, whereby the blades 18 are uniformly rotated to simultaneously open contacts 10, 12. Further, the spacers 22 and the engaging part housing hole 24 cooperate with a partitioning wall 28 so as to form an air gap 30 between the blades 18, an the air gap 30 helps electrically and thermally insulate the blades 18 each other.

IPC 1-7

H01H 9/30; **H01H 1/64**

IPC 8 full level

H01H 33/12 (2006.01); **H01H 1/22** (2006.01); **H01H 9/30** (2006.01); **H01H 33/53** (2006.01); **H01H 1/62** (2006.01)

CPC (source: EP US)

H01H 1/226 (2013.01 - EP US); **H01H 9/30** (2013.01 - EP US); **H01H 1/62** (2013.01 - EP US); **H01H 9/302** (2013.01 - EP US); **H01H 2001/228** (2013.01 - EP US)

Cited by

EP3330988A1; CN108155066A; US10141140B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0358289 A2 19900314; **EP 0358289 A3 19910515**; **EP 0358289 B1 19941123**; CA 1330817 C 19940719; DE 58908658 D1 19950105; ES 2064428 T3 19950201; JP H02117025 A 19900501; US 4926016 A 19900515

DOCDB simple family (application)

EP 89250029 A 19890907; CA 610427 A 19890906; DE 58908658 T 19890907; ES 89250029 T 19890907; JP 23026389 A 19890904; US 24209288 A 19880908