

Title (en)

CONTACT DEVICE FOR VACUUM CIRCUIT BREAKER

Publication

EP 0456140 A3 19920408 (DE)

Application

EP 91107265 A 19910504

Priority

DE 4015135 A 19900511

Abstract (en)

[origin: EP0456140A2] A contact device for electrical vacuum circuit breakers is fitted with cup-shaped contacts which are arranged coaxially with respect to one another and whose cylindrical wall, which is connected to the cup base and acts as a contact support, is split into webs by slots running obliquely with respect to the axis of rotation of the contact, and the end of the cylindrical wall is covered with a disc-shaped or annular contact element, and the slots are bridged by means of a bracket which is a poor conductor in comparison with the contact support. In order to obtain a bracket which has a small cross-section, satisfies all the requirements and is easy to produce, it is provided for said bracket to be constructed from a cylindrical pin (27) which is inserted in a hole (26) in the cylindrical wall (17, 18), which hole extends approximately parallel to the axis of rotation (23) of the contact (11, 12), the pin (27) - seen in the insertion direction - engaging in a blind hole in the web part of that side of the slot or slots (22) and being fixed in the opposite web part, in which it engages first, mechanically bridging the slot or slots. <IMAGE>

IPC 1-7

H01H 33/66

IPC 8 full level

H01H 33/664 (2006.01)

CPC (source: EP)

H01H 33/6642 (2013.01)

Citation (search report)

- [Y] DE 2015528 A1 19711021 - SIEMENS AG
- [Y] GB 2038098 A 19800716 - WESTINGHOUSE ELECTRIC CORP
- [A] US 3622724 A 19711123 - SOFIANEK JOSEPH C
- [A] US 4839481 A 19890613 - NASH WILLIAM H [US], et al

Cited by

CN109671590A; CN112397341A

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0456140 A2 19911113; EP 0456140 A3 19920408; DE 4015135 A1 19911114; DE 4015135 C2 19950727; DE 9007343 U1 19911219

DOCDB simple family (application)

EP 91107265 A 19910504; DE 4015135 A 19900511; DE 9007343 U 19900511