

Title (en)
CONTACTING ARRANGEMENT FOR COMPRESSED-GAS CIRCUIT BREAKERS

Publication
EP 0011122 B1 19820120 (DE)

Application
EP 79103804 A 19791004

Priority
DE 2847808 A 19781102

Abstract (en)
[origin: US4321439A] An electrical contact construction for air-blast circuit breakers, particularly blast-piston or "puffer" type breakers, which subject the arc drawn during current interruption to a compressed-gas blast as well as a magnetic-force effect which lengthens the arc. To increase the interruption capacity of such breakers, and particularly to improve arc behavior during the interruption process, a tubular member is disposed within the interior spaces of the tubular contacts of such a breaker in which the switching gases flow. The member has an inner surface which is conically shaped and is matched to the contour of openings provided in nozzle members disposed at the end faces of the tubular contacts to improve gas flow.

IPC 1-7
H01H 1/06; **H01H 33/18**

IPC 8 full level
H01H 33/88 (2006.01); **H01H 1/06** (2006.01); **H01H 33/18** (2006.01); **H01H 33/70** (2006.01); **H01H 33/91** (2006.01)

CPC (source: EP US)
H01H 33/7053 (2013.01 - EP US); **H01H 33/91** (2013.01 - EP US)

Cited by
DE4028421A1; US10526460B2

Designated contracting state (EPC)
AT CH FR GB IT NL SE

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EP 0011122 A1 19800528; **EP 0011122 B1 19820120**; AT E599 T1 19820215; BR 7907123 A 19800916; CA 1133549 A 19821012; DE 2847808 A1 19800508; DE 2847808 C2 19860410; JP H0114652 B2 19890313; JP S5564320 A 19800515; MX 146682 A 19820727; US 4321439 A 19820323; ZA 795865 B 19801029

DOCDB simple family (application)
EP 79103804 A 19791004; AT 79103804 T 19791004; BR 7907123 A 19791101; CA 338979 A 19791101; DE 2847808 A 19781102; JP 13824979 A 19791025; MX 17982279 A 19791029; US 9012279 A 19791101; ZA 795865 A 19791101