

Title (en)
LOAD INTERRUPTER SWITCH

Title (de)
LASTSCHALTER

Title (fr)
COMMUTATEUR EN CHARGE

Publication
EP 0920705 B2 20030514 (DE)

Application
EP 97944787 A 19970825

Priority
• DE 19634451 A 19960826
• EP 9704617 W 19970825

Abstract (en)
[origin: WO9809310A1] The invention concerns a load interrupter switch (1) for voltages in the kV range, with a vacuum interrupter chamber (2) which is surrounded in a gap-free manner by a sleeve (4) formed from elastomer material having high dielectric strength. The sleeve (4) is in turn clamped by the two halves (11 and 12) of the housing of the load interrupter switch (1). In this way, external flashover of the high voltage between the end plates (24 and 25) of the vacuum interrupter chamber (2) is effectively prevented during switching operations without the need for liquid or gaseous media. In this way, in contrast to conventional load interrupter switches, complicated monitoring is unnecessary and the load interrupter switch is not harmful to the environment.

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Citation (opposition)
Opponent :
• DE 2322372 A1 19741107 - SIEMENS AG
• Field calculations on epoxy resin insulated vacuum interrupters, M.B.J Leusenkamp et al. Preceedings XVIIth International Symposium on Discharges and Electrical Insulation in Vacuum, Berkeley, USA, 21-26 July 1996, S.1065-1069
• Epoxahars in mideenspanningschalsystemen, H. Bijsterbosch, Kunststof en Rubber, Februard 1995, S. 12-15
• Holec Broschüre 22.3.3 "High voltage switch gear type SVS-12kV-24kV 1990

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9809310 A1 19980305; AT E191990 T1 20000515; AU 4618397 A 19980319; CA 2263881 A1 19980305; CA 2263881 C 20061128; CZ 288889 B6 20010912; CZ 58599 A3 19990714; DE 19634451 C1 19980129; DE 59701481 D1 20000525; DK 0920705 T3 20000925; DK 0920705 T4 20030630; EP 0920705 A1 19990609; EP 0920705 B1 20000419; EP 0920705 B2 20030514; ES 2144880 T3 20000616; ES 2144880 T5 20040216; GR 3033287 T3 20000929; HK 1017768 A1 19991126; HU 222705 B1 20030929; HU P9903117 A2 20000228; HU P9903117 A3 20020328; PL 187251 B1 20040630; PL 331997 A1 19990816; PT 920705 E 20001031; RS 49698 B 20071231; RU 2188474 C2 20020827; SK 23899 A3 20000313; SK 282723 B6 20021106; TR 199900436 T2 19990521; YU 10299 A 19991122

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