

Title (en)
ARCING FAULT PROTECTION SYSTEM FOR A SWITCHGEAR ENCLOSURE

Title (de)
LICHTBOGENFEHLERSCHUTZ FÜR EINE SCHALTANLAGE

Title (fr)
SYSTEME DE PROTECTION CONTRE LES ARCS DE RUPTURE POUR ARMOIRE ELECTRIQUE

Publication
EP 1034591 A4 20040310 (EN)

Application
EP 98958579 A 19981113

Priority
• US 9824289 W 19981113
• US 97425497 A 19971119
• US 19009498 A 19981112

Abstract (en)
[origin: WO9926328A1] An arcing fault protection system for a switchgear enclosure (10) includes a switching device (32) for rapidly diverting current from the source bus (22) of an electrical distribution system (12) in response to the detection of arcing faults in the system. The switching device (32), which may comprise a mechanical switch, a solid-state switch or hybrid device, quickly diverts current carried on the source bus (22) to effectively extinguish arcing fault currents present in the distribution system (12), preventing the generation of gases at high pressures and/or temperatures so as to protect the switchgear equipment from damage.

IPC 1-7
H02H 7/00; **H01H 79/00**; **H01H 33/26**

IPC 8 full level
H01H 33/26 (2006.01); **H01H 79/00** (2006.01); **H01H 33/66** (2006.01); **H02H 1/00** (2006.01)

CPC (source: EP)
H01H 33/26 (2013.01); **H01H 79/00** (2013.01); **H01H 33/666** (2013.01); **H02H 1/0023** (2013.01)

Citation (search report)
• [A] BOROS F ET AL: "LIMITATION OF ARCING FAULT EFFECTS", PROCEEDINGS OF INTERNATIONAL SYMPOSIUM ON SHORT-CIRCUIT CURRENTS IN POWER SYSTEMS, XX, XX, 6 September 1994 (1994-09-06), pages 41001 - 41004, XP008018159
• See references of WO 9926328A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9926328 A1 19990527; AU 1459399 A 19990607; CA 2310619 A1 19990527; CA 2310619 C 20050208; EP 1034591 A1 20000913; EP 1034591 A4 20040310; MY 116301 A 20031231

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