

Title (en)

Circuit breaker with composite sleeve provided with a monitoring device

Title (de)

Leistungsschalter mit Umhüllung aus zusammengesetztem Material, welcher mit einer Überwachungsvorrichtung ausgerüstet ist

Title (fr)

Disjoncteur à enveloppe en matériau composite équipé d'un dispositif de surveillance

Publication

EP 0537074 B1 19960710 (FR)

Application

EP 92402750 A 19921008

Priority

FR 9112472 A 19911010

Abstract (en)

[origin: EP0537074A1] The present invention relates to a circuit breaker comprising a cutout chamber (1) with composite insulating material sleeve consisting of a cylinder made from glass fibres impregnated with epoxy resin furnished externally with a polymer coating forming vanes and with metal collars (105, 115) at its ends. The circuit breaker comprises an arc-detecting means consisting of a fluorescent optical fibre (102), one end of which is arranged outside and close to the said cylinder and the other end of which is connected to a photodetector (112). <IMAGE>

IPC 1-7

H01H 33/66

IPC 8 full level

H01H 33/668 (2006.01)

CPC (source: EP)

H01H 33/668 (2013.01)

Cited by

FR2731520A1; DE19539535A1; EP0962023A4; US6608481B1; EP0678887A1; FR2718883A1; US6250432B1; US6478525B2; US6585211B1; WO0065622A1; WO0008664A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0537074 A1 19930414; EP 0537074 B1 19960710; AT E140340 T1 19960715; DE 69212101 D1 19960814; DE 69212101 T2 19961121; ES 2089452 T3 19961001; FR 2682527 A1 19930416; FR 2682527 B1 19931119

DOCDB simple family (application)

EP 92402750 A 19921008; AT 92402750 T 19921008; DE 69212101 T 19921008; ES 92402750 T 19921008; FR 9112472 A 19911010