

Title (en)

Immersed transformer self-protected by a device comprising a circuit breaker and fuses

Title (de)

Eingetauchter Transformator selbsttätig geschützt durch eine Anordnung mit Lastschalter und Schmelzsicherungen

Title (fr)

Transformateur immergé auto-protege par un dispositif incluant un disjoncteur et des fusibles

Publication

EP 0981140 B1 20040128 (FR)

Application

EP 99410089 A 19990726

Priority

FR 9810519 A 19980814

Abstract (en)

[origin: EP0981140A1] The triphase transformer (1) is immersed in a tub (4) with dielectric gas (5). An isolating cross section (7) holds fuses (11) in place (12). The fuses are series connected for each circuit transformer between the windings and isolating section. Each pole has contact units connected to a circuit breaker (15).

IPC 1-7

H01F 27/40; **H01H 71/10**

IPC 8 full level

H01F 27/40 (2006.01); **H01H 71/10** (2006.01)

CPC (source: EP)

H01F 27/402 (2013.01); **H01H 71/1081** (2013.01); **H01H 2085/0291** (2013.01)

Cited by

EP2075807A1; FR2822601A1; EP1267368A1; FR2826173A1; FR2849968A1; EP3651170A1; EP4195226A1; US11025048B2; WO02075757A1; EP1806817A1; US7755868B2; EP0991090B1; WO2023110262A1

Designated contracting state (EPC)

DE ES GB GR IT SE

DOCDB simple family (publication)

EP 0981140 A1 20000223; **EP 0981140 B1 20040128**; AR 021200 A1 20020703; AU 4444799 A 20000309; AU 753147 B2 20021010; BR 9903587 A 20000829; CN 1206670 C 20050615; CN 1245342 A 20000223; DE 69914420 D1 20040304; DE 69914420 T2 20041202; EA 002377 B1 20020425; EA 199900657 A2 20000228; EA 199900657 A3 20000424; ES 2213999 T3 20040901; FR 2782409 A1 20000218; FR 2782409 B1 20021129; ID 23712 A 20000511; NO 320723 B1 20060123; NO 993766 D0 19990803; NO 993766 L 20000215

DOCDB simple family (application)

EP 99410089 A 19990726; AR P990104089 A 19990813; AU 4444799 A 19990813; BR 9903587 A 19990813; CN 99117729 A 19990812; DE 69914420 T 19990726; EA 199900657 A 19990813; ES 99410089 T 19990726; FR 9810519 A 19980814; ID 990771 D 19990806; NO 993766 A 19990803