

Title (en)

THERMAL PROTECTIVE DEVICE FOR TRANSFORMERS AND INDUCTANCES

Publication

EP 0111470 B1 19870304 (DE)

Application

EP 83890212 A 19831115

Priority

AT 414282 A 19821115

Abstract (en)

[origin: US4549817A] An electrical component such as a transformer winding or choke coil is placed in a forced cooling circuit containing circulation pumps and coolers for a cooling medium and is subjected to forced circulation cooling. The thermal monitoring apparatus comprises a container housing therein a thermal sensor surrounded by a thermosensor winding. The container is connected by respective branch lines to the forced cooling circuit either upstream or downstream with respect to the circulation pumps. Cooling medium flows through the transformer or choke coil in the forced cooling circuit and through the branch lines leading to the container. Each branch line is provided with an equivalent hydraulic resistance of the transformer winding and the cooler. The thermosensor winding is connected to a current transformer which is supplied with a current which is proportional to the current flowing through the transformer or choke coil.

IPC 1-7

H01F 27/40; H02H 5/06

IPC 8 full level

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CPC (source: EP US)

H01F 27/402 (2013.01 - EP US); **H01F 2027/404** (2013.01 - EP US); **H01F 2027/406** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

EP 0111470 A2 19840620; EP 0111470 A3 19850109; EP 0111470 B1 19870304; AT 378623 B 19850910; AT A414282 A 19850115; DE 3370093 D1 19870409; JP S59112607 A 19840629; US 4549817 A 19851029

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