

Title (en)

DEVICE USING THE HEAT LOSSES OF INTERNALLY FLUID-COOLED TRANSFORMERS OR CHOKES

Publication

EP 0043511 B1 19840926 (DE)

Application

EP 81104933 A 19810625

Priority

DE 3025661 A 19800707

Abstract (en)

[origin: US4456899A] Method and device of utilizing, through heat exchanger or heat pump provided in addition to a normal cooling system, heat due to energy loss in a coil device, such as a transformer or a choke coil having a liquid-cooled interior, which includes throttling the normal cooling system so as to set a difference between the temperature of the interior liquid coolant, at a location under a casing cover of the coil device, and a maximum permissible temperature for a normal useful life of insulation for the coil winding so that the temperature of the inner coolant is lower when the coil device is under full load than when it is under partial load.

IPC 1-7

H01F 27/12; **F24D 11/00**

IPC 8 full level

H01F 27/08 (2006.01); **F24D 11/00** (2006.01); **H01F 27/12** (2006.01); **H01F 27/16** (2006.01)

CPC (source: EP US)

F24D 11/005 (2013.01 - EP US); **F28D 21/0001** (2013.01 - EP); **F28F 27/02** (2013.01 - EP); **H01F 27/12** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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