

Title (en)

TRANSFORMER OR INDUCTANCE COOLED BY INSULATING LIQUID, METHOD AND DEVICE FOR MANUFACTURING THEM

Publication

**EP 0058905 B1 19841017 (DE)**

Application

**EP 82101098 A 19820215**

Priority

SE 8101197 A 19810224

Abstract (en)

[origin: US4477790A] An electrical inductive apparatus, for example a transformer or a reactor, comprises a core and at least one winding wound around the core and formed of a plurality of superimposed turns of sheet-formed electrically-conducting material. The winding includes at least one element which, together with a surface of at least one of the turns of the winding, defines a plurality of channels for conducting an electrically-insulating fluid in contact with a part of said surface. These channels are defined between adjacent pairs of a plurality of connected together elongated spacing means of the element which are arranged in substantially parallel spaced relationship and which contact said surface. Each spacing means has a thickness which increases from a central region of the spacing means towards each of its opposite ends. This enables the turns of the winding to be flared out at their opposite ends in a suitable manner with respect to the electrical properties of the winding. The element may be manufactured from a sheet of insulating material by profile sawing in a processor-controlled sawing machine.

IPC 1-7

**H01F 27/32**; **H01F 41/12**

IPC 8 full level

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CPC (source: EP US)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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