

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

H01F 27/28 (2006.01); **H01F 27/32** (2006.01); **H01F 41/06** (2006.01); **H01F 41/12** (2006.01)

CPC (source: EP US)

H01F 27/322 (2013.01 - EP US); **H01F 41/125** (2013.01 - EP US); **Y10T 29/4902** (2015.01 - EP US)

Citation (examination)

DE 3029416 A1 19810326 - ASEA AB [SE]

Cited by

EP0538777A1

Designated contracting state (EPC)

BE CH DE FR GB LI

DOCDB simple family (publication)

EP 0058905 A1 19820901; **EP 0058905 B1 19841017**; CA 1182876 A 19850219; DE 3260979 D1 19841122; JP S57155711 A 19820925; NO 820539 L 19820825; SE 428979 B 19830801; SE 8101197 L 19820825; US 4477790 A 19841016; ZA 821169 B 19830126

DOCDB simple family (application)

EP 82101098 A 19820215; CA 396879 A 19820223; DE 3260979 T 19820215; JP 2803982 A 19820223; NO 820539 A 19820222; SE 8101197 A 19810224; US 35125582 A 19820222; ZA 821169 A 19820223