

Title (en)

DRY TRANSFORMER OR CHOKE COIL AND PROCESS FOR MAKING IT.

Title (de)

TROCKENTRANSFORMATOR ODER DROSSELSPULE UND VERFAHREN ZU IHRER HERSTELLUNG.

Title (fr)

TRANSFORMATEUR A SEC OU BOBINE D'ARRET ET LEUR PROCEDE DE PRODUCTION.

Publication

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Application

**EP 91918142 A 19911015**

Priority

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- DE 4110223 A 19910328
- EP 9101956 W 19911015

Abstract (en)

[origin: WO9207369A1] The invention relates to a dry transformer or a choke coil in which the winding conductors and/or winding layers and/or outer sheathing of at least one winding (2, 13) are insulated. Alternatively, at least one winding and the iron core (1, 11) with the windings (2, 13) can be entirely surrounded by ceramic resin (3). To produce the ceramic resin, a strong alkaline solution with sodium and/or potassium and/or calcium and/or lithium and a powder of silicate and aluminium is prepared. Alternatively, fibre rovings may be soaked in this solution and wound on the winding or the winding or the iron core with windings are put into a mould and this solution poured over it. This is followed by a curing process at a temperature of 70 to 100 C. Curing may be followed by soaking in a fluid with good dielectric properties.

IPC 1-7

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

IPC 8 full level

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Cited by

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