

Title (en)
Dry type transformer

Title (de)
Trockentransformator

Title (fr)
Transformateur sec

Publication
EP 2827346 B1 20161116 (DE)

Application
EP 13003609 A 20130717

Priority
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Abstract (en)
[origin: WO2015007432A1] The invention relates to a dry-type transformer coil (10, 62, 64, 66), comprising at least two hollow cylindrical, radially spaced windings (12, 14, 46, 48) or winding parts, which are nested in each other, wherein axially extending cooling channels (30, 32, 34, 36, 50) are arranged in the hollow cylindrical intermediate space (16, 68) formed by the spacing. The filling factor of the hollow cylindrical intermediate space (16, 68) for the filling of the hollow cylindrical intermediate space with cooling channels (30, 32, 34, 36, 50) varies over the radial circumference of the hollow cylindrical intermediate space. The invention further relates to a dry-type transformer (60), comprising a transformer core, which has at least two core yokes (70) and at least two core limbs (42), wherein a dry-type transformer coil (10, 62, 64, 66) according to the invention is arranged around at least one core limb (42). The filling factor of the hollow cylindrical intermediate space (16, 68) is varied in such a way that the filling factor of the hollow cylindrical intermediate space is higher in regions (72, 74, 76, 78) shaded by the core yokes (70) at an end face than in the regions that are not shaded.

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Cited by
DE102018208363A1; EP4052276A4; WO2021081977A1

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