

Title (en)
WINDING WITH TRANPOSED CONDUCTORS

Publication
EP 0102941 B1 19861203 (DE)

Application
EP 83890143 A 19830902

Priority
AT 329282 A 19820902

Abstract (en)
[origin: EP0102941A2] 1. Twisted conductor winding for a furnace transformer consisting of a main and an additionnal transformer, which winding is arranged on the secondary side and has coils (5, 6) which enclose the two iron legs (1, 2) of main and additionnal transformer with two intermediate parallel connecting segments (12-15, 19-24), characterized in that the connecting segments (12, 13, 14, 15, 19, 20, 21, 22, 23, 24) of one coil (5, 6) run at a selected normal distance (25), preferably in parallel, with respect to a longitudinal axis (16) which joins the centre points (17, 18) of the two iron legs (1, 2) of main and additional transformer and that further coils (5, 6) are arranged to be rotated by 180 degrees around the longitudinal axis (16), the normal distance (25) of the connecting segments (12, 13, 14, 15, 19, 20, 21, 22, 23, 24) of the individual coils (5, 6) from the longitudinal axis (16) occuring to the left and to the right of this axis, preferably alternately, and that an insulating-material plate (26), the thickness of which is twice the normal distance (25) is arranged perpendiculaly between the inside connecting segments (12, 15, 19, 21, 23) and that one further insulating-material plate (32, 33) is provided each at the perpendicular outside surfaces (27, 28, 29, 30, 31) of the connecting segments (13, 14, 20, 22, 24) and is detachably connected to the insulating-material plate (26) between the inside connecting segments (12, 15, 19, 21, 23).

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