

Title (en)

COIL OR TRELLIS UTILISABLE IN VARIABLE TRANSFORMERS, ADJUSTABLE POWER OR PRECISION RESISTORS, CODING RESISTORS, WOUND RESISTORS, ELECTRIC RADIATORS AND HEAT EXCHANGERS

Publication

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Application

EP 80400543 A 19800421

Priority

- FR 7910155 A 19790423
- FR 7910156 A 19790423

Abstract (en)

[origin: EP0018296A1] 1. Resistive or insulated or enamelled conductor wire coil useable in variable transformers or in potentiometers the support of which in insulating material includes a boss (3) having the shape of a cylindrical tube with great diameter with regard to the coil set, two side flanges (10) and (13) a central flange (2) and two intermediate flanges (5) and (9) each of them cylindrical, the flanges (5) and (9) have radial slots (6) and the central flange has equally spaced teeth (O) around its periphery and two crimped metal eyelets (1), coil characterized by the fact that the winding is achieved in following manner : the first end of the wire is soldered to one of the conductor eyelets (1) crimped in the central flange (2) in one of the slots (47), crosses the flange (5) through one of its slots (6), passes into the groove (7), makes (N1-epsilon) turns around the boss (3) inside the groove (7), crosses the flange (5) through one of its slots (6), passes one more over the central flange (2) into the slot (48), crosses the flange (9) by one of its slots (6), makes (N2-epsilon) turns in the groove (11), crosses the flange (9) by one of its slots (6), passes again over the central flange (2) into the slots (49) adjacent to the slot (48), crosses the flange (5) by one of its slots (6), makes (N3-epsilon) turns in the groove (7), crosses the flange (5) by one of its slots (6), passes again over the central flange (2) and so on until the insulated resistor or conductor wire covers the desired periphery of the flange (2) ; before the last passage over the central flange (2) the wire makes (Nk-epsilon) turns in the corresponding groove, then passes over the central flange into the corresponding slot, and its end is soldered on the second eyelet (1) crimped in the central flange (2).

IPC 1-7

H01F 29/06; **H01C 3/14**; **H01C 17/04**; **H01C 10/30**; **F28D 7/08**

IPC 8 full level

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CPC (source: EP)

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Cited by

FR2495309A1; FR2497049A1; GB2407214A; FR2496966A2; US6933822B2; US7026905B2; US7193495B2; US7256678B2

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