Title (en)

METHOD OF AND DEVICE FOR WINDING THE INDUCTIVE COILS EQUIPPING ELECTRICAL APPARATUSES SUCH AS TRANSFORMERS

Publication

EP 0081446 B1 19860611 (FR)

Application

EP 82440037 A 19821119

Priority

FR 8122614 A 19811201

Abstract (en)

[origin: ES8308444A1] An insulated wire is wound into a cylindrical coil by being continuously introduced into an annular space between a cylindrical core and a cylindrical sleeve coaxially surrounding same above a supporting surface which is rotated about their axis at an angular velocity W, the wire being fed in at a linear speed V. A processor is programmed to vary the ratio V/W according to the relationship (V/W)i= pi [D+2d)(ai-1)] where D is the diameter of the core, d is the wire diameter and ai is an integer representing the order number of the ith turn of a spiral path, counted from the core surface, along which the wire is laid in a succession of flat layers piled one atop the other. Each layer consists of n contiguous turns following one another in a radially outward direction in odd-numbered layers and in a radially inward direction in even-numbered layers, with decrementation or incrementation of the ratio V/W at the end of each turn. The discharge end of a feed tube is raised above the supporting surface, upon the completion of each layer, by an incremental distance equal to the wire diameter d to accommodate the next layer.

IPC 1-7

B65H 54/80; H01F 41/06

IPC 8 full level

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CPC (source: EP KR US)

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