

Title (en)
INDUCTANCE, SMALL TRANSFORMER OR SIMILAR APPARATUS

Publication
EP 0121677 B1 19870616 (DE)

Application
EP 84101272 A 19840208

Priority
DE 3309109 A 19830315

Abstract (en)
[origin: EP0121677A1] 1. Choke or miniature transformer, especially for use in series-connected devices of gas discharge lamps, having a plate pack (5) consisting of a core (6) and a jacket (7) and assembled from sheet metal laminae, also having a coil-formerless winding set upon the core and insulated from the latter and the jacket, on the winding heads (1a, 2a) of which winding, which protrude on both sides beyond the plate pack, there are set in the coil axial direction in each case insulating material mouldings (8, 8b) which comprise a tongue (9, 9b) pushed into the interspace between the core and the respective winding head and an outer wall lying before the winding head and connected with the tongue by an upper wall part (11, 1b), while openings of the insulating material moulding (8, 8b) defined by the outer wall (10) and the adjacent end wall of the plate pack are covered by cover parts connected with the plate pack - for example wholly or partially formed by an assembly bar - or side walls (12) of the insulating material mouldings, characterized in that on the tongue (9, 9b) there is formed a cavity (30, 35) extending between the core (6) and the winding head (1a, 2a) in the longitudinal direction of the tongue and suitable to accommodate a temperature-sensitive element (31), which cavity is open at its two ends at the moment of the impregnation of the winding (1, 2), so that the temperature-sensitive element (31) can still be inserted into the cavity (30, 35) after the impregnation of the winding (1, 2).

IPC 1-7
H01F 27/40; **H01F 15/10**

IPC 8 full level
H01F 5/04 (2006.01); **H01F 27/30** (2006.01); **H01F 27/32** (2006.01); **H01F 27/40** (2006.01)

CPC (source: EP)
H01F 5/04 (2013.01); **H01F 27/306** (2013.01); **H01F 27/326** (2013.01); **H01F 27/402** (2013.01); **H01F 2027/406** (2013.01)

Cited by
EP1517342A3

Designated contracting state (EPC)
AT FR GB NL

DOCDB simple family (publication)
EP 0121677 A1 19841017; **EP 0121677 B1 19870616**; AT E27872 T1 19870715; DE 3309109 A1 19840927; DE 3309109 C2 19850620; FI 77542 B 19881130; FI 77542 C 19890310; FI 840964 A0 19840309; FI 840964 A 19840916

DOCDB simple family (application)
EP 84101272 A 19840208; AT 84101272 T 19840208; DE 3309109 A 19830315; FI 840964 A 19840309