

Title (en)

SHIELDING ELEMENT FOR YOKES OF IRON CORES IN TRANSFORMERS AND IN INDUCTANCE COILS

Publication

EP 0061521 B1 19840926 (DE)

Application

EP 81108636 A 19811021

Priority

DE 3111100 A 19810320

Abstract (en)

[origin: EP0061521A1] 1. A screening element, consisting of a plurality of insulant layers (9, 12, 13, 14) and a conductive paper insert (10), for yokes (4) of stepwise laminated iron cores, of transformers and inductance coils, for screening the stepped edges of the yoke from end faces, or end screening rings, of windings, characterised in - that the conductive paper insert (10) is completely metalically separated from all neighbouring components (2, 4) which carry opposite voltages, - that the conductive layer (11) in the conductive paper insert (10) is of high resistance and free from voltage-balancing conductors, - that the electrical potential carried by the conductive insert (10) is adjusted in a purely capacitive manner by the relation of the distance from the yoke (4) to the conductive paper insert (10), to the distance from the conductive paper insert (10) to the end face or end screening ring of the winding (2), and - that the edges of the conductive paper insert (10) are set back on all sides with respect to the edges of the remaining insulant layers (9, 12, 13, 14).

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IPC 8 full level

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