

Title (en)

High voltage diode split half bulk transformer

Title (de)

Diodensplit-Hochspannungstransformator mit Halb-Lagenwicklungen

Title (fr)

Transformateur haute tension à enroulements en semicouches séparés par diodes

Publication

EP 0851443 A1 19980701 (EN)

Application

EP 97402967 A 19971209

Priority

FR 9616033 A 19961226

Abstract (en)

The invention relates to a process for winding the coils of a high-voltage transformer for a cathode-ray tube. According to the invention the tertiary windings are coiled by imparting a locally oscillatory motion, in an axial direction of the coil former, to a wire-guide which guides the wire to be coiled towards a rotating coil former. The tertiary windings of a transformer made according to the invention are such that neighbouring turns constituting the winding overlap one another. As a result a larger number of turns can be coiled on the same length of coil. The transformer according to the invention therefore includes a smaller number of diodes 10 and of intermediate insulating layers 24 between windings of the tertiary. The electromagnetic coupling quality remains good. The process allows good reproducibility of the product. <IMAGE>

IPC 1-7

H01F 38/42; **H01F 41/06**

IPC 8 full level

H01F 38/42 (2006.01); **H01F 41/04** (2006.01); **H01F 41/06** (2006.01)

CPC (source: EP)

H01F 38/42 (2013.01); **H01F 41/082** (2016.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0851443 A1 19980701; CN 1186312 A 19980701; FR 2757996 A1 19980703; FR 2757996 B1 19990716; JP H10199743 A 19980731

DOCDB simple family (application)

EP 97402967 A 19971209; CN 97125548 A 19971219; FR 9616033 A 19961226; JP 35719697 A 19971225