

Title (en)

Transformer having an air gap and an insulation foil packet.

Title (de)

Transformator mit einem Luftspalt und einem Isolierfolienpaket.

Title (fr)

Transformateur avec un entrefer et un paquet de feuilles isolantes.

Publication

EP 0461712 A1 19911218 (EN)

Application

EP 91201393 A 19910606

Priority

NL 9001350 A 19900614

Abstract (en)

The transformer (1) comprises a ferromagnetic core (3), which is interrupted by an air gap (11), and a coil former (5), which is provided with a winding packet (7). The coil former (5) surrounds the core (3) at the area of the air gap (11). The winding packet (7) comprises an electrically conducting foil winding packet (17) and spacer elements (15) which are located between the coil former (5) and the foil winding packet (17) and reduce the formation of eddy currents due to the magnetic stray field (13). <IMAGE>

IPC 1-7

H01F 3/14; **H01F 27/34**

IPC 8 full level

H01F 27/28 (2006.01); **H01F 3/14** (2006.01); **H01F 27/34** (2006.01); **H01F 27/36** (2006.01)

CPC (source: EP)

H01F 3/14 (2013.01); **H01F 27/346** (2013.01); **H01F 2027/348** (2013.01)

Citation (search report)

- [Y] GB 2052166 A 19810121 - PHILIPS NV
- [Y] DE 3625964 A1 19870212 - SCHRACK ELEKTRONIK AG [AT]
- [A] EP 0315527 A1 19890510 - OREGA ELECTRO MECANIQUE [FR]
- [A] EP 0108921 A1 19840523 - VACUUMSCHMELZE GMBH [DE]
- [A] DE 2305957 A1 19740815 - SIEMENS AG

Cited by

DE19704232A1; DE19704232C2; EP2787515A3; US7701317B2; WO2005096330A1; WO2020239847A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0461712 A1 19911218; JP H04230010 A 19920819; NL 9001350 A 19920102

DOCDB simple family (application)

EP 91201393 A 19910606; JP 16751991 A 19910613; NL 9001350 A 19900614