

Title (en)
Miniature high frequency power transformer.

Title (de)
Hochfrequenz-Kleinstleistungstransformator.

Title (fr)
Transformateur de puissance à haute fréquence miniature.

Publication
EP 0318955 A1 19890607 (EN)

Application
EP 88119980 A 19881130

Priority
US 12770387 A 19871202

Abstract (en)
A power transformer comprises first and second circuit boards having formed thereon the primary and secondary windings of the transformer. To maintain close magnetic coupling between the windings, the boards are insulated from each other by a layer of an electrically insulating material deposited on one of the windings, and opposite halves of a bifurcated ferrite core extending through openings formed in the boards enclose the windings with virtually no air gap between the core and the windings.

IPC 1-7
H01F 27/28

IPC 8 full level
H01F 19/00 (2006.01); **H01F 17/00** (2006.01); **H01F 17/04** (2006.01); **H01F 27/28** (2006.01); **H01F 30/00** (2006.01)

CPC (source: EP)
H01F 17/043 (2013.01); **H01F 27/2804** (2013.01)

Citation (search report)
• [A] GB 1180923 A 19700211 - PLESSEY CO LTD
• [A] GB 2087656 A 19820526 - ANALOG DEVICES INC
• [A] EP 0126169 A1 19841128 - ANT NACHRICHTENTECH [DE]

Cited by
US6147583A; US6069548A; US5673183A; US5321380A; DE19915649B4; DE19915649A1; US5565837A; FR2672181A1; US5353001A; GB2252208B; US5929733A; GB2285892A; GB2285892B; US2015101854A1; US10141107B2; US9959967B2; WO9515609A1; WO9617360A1; WO2009131429A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0318955 A1 19890607; CN 1033712 A 19890705; JP H01205509 A 19890817

DOCDB simple family (application)
EP 88119980 A 19881130; CN 88108329 A 19881202; JP 30389188 A 19881129