

Title (en)
HIGH ISOLATION POWER TRANSFORMER

Title (de)
LEISTUNGSTRANSFORMATOR HOHER ISOLATION

Title (fr)
TRANSFORMATEUR DE PUISSANCE A FORTE ISOLATION

Publication
EP 0864165 B1 20000802 (EN)

Application
EP 96940047 A 19961202

Priority
• GB 9602976 W 19961202
• GB 9524566 A 19951201

Abstract (en)
[origin: GB2307795A] An isolation transformer comprises two or more independent magnetic paths formed by high permeability magnetic cores 7, 8. Each magnetic core 7, 8 includes one or more independent windings 1, 4 and at least one coupling winding 6. Each core 7, 8 and its independent associated winding(s) 1, 4 is enclosed by an electrostatic screen 2, 5 whilst the coupling winding 6 is located outside the electrostatic screen 2, 5. The coupling winding 6 may be formed by interconnecting separate windings associated with individual cores and may be arranged to couple with more than two cores. Alternatively a core with a primary winding may be linked by plural coupling windings to respective secondary cores to drive plural secondary output windings.

IPC 1-7
H01F 30/16; **H01F 27/34**

IPC 8 full level
H01F 27/34 (2006.01); **H01F 30/16** (2006.01)

CPC (source: EP)
H01F 27/346 (2013.01); **H01F 30/16** (2013.01); **H01F 2019/085** (2013.01)

Citation (examination)
DE 4412957 A1 19951019 - SCHWAN ULRICH [DE]

Cited by
CN103035389A; US9711271B2; WO2014076067A1

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
GB 2307795 A 19970604; **GB 9524566 D0 19960131**; DE 69609625 D1 20000907; DE 69609625 T2 20010412; EP 0864165 A1 19980916; EP 0864165 B1 20000802; WO 9721233 A1 19970612

DOCDB simple family (application)
GB 9524566 A 19951201; DE 69609625 T 19961202; EP 96940047 A 19961202; GB 9602976 W 19961202