

Title (en)
Transformer.

Title (de)
Transformator.

Title (fr)
Transformateur.

Publication
EP 0447389 B1 19950621 (DE)

Application
EP 91890044 A 19910305

Priority
AT 60390 A 19900314

Abstract (en)
[origin: EP0447389A2] In a transformer, especially a distribution transformer, having an oil tank (1) and an oil catchment container (9), the oil catchment container (9) is constructed as an external tank surrounding the oil tank (1), maintaining a free space (6) between the side walls (7, 8), and ventilation and venting devices (17, 18) are provided for the air space (6) enclosed between the two tanks (1, 9). <IMAGE>

IPC 1-7
H01F 27/02

IPC 8 full level
H01F 27/02 (2006.01)

CPC (source: EP)
H01F 27/02 (2013.01)

Cited by
US9514874B2; CN106024312A; DE102018217755A1; EP2565445A1; US8314673B2; WO2010031448A1; US8299880B2

Designated contracting state (EPC)
BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0447389 A2 19910918; EP 0447389 A3 19920805; EP 0447389 B1 19950621; AT 397317 B 19940325; AT A60390 A 19930715; DE 59105755 D1 19950727; DK 0447389 T3 19951009; ES 2073729 T3 19950816; FI 911195 A0 19910311; FI 911195 A 19910915; IE 67358 B1 19960320; IE 910846 A1 19910925; NO 911002 D0 19910313; NO 911002 L 19910916; TR 26537 A 19950315

DOCDB simple family (application)
EP 91890044 A 19910305; AT 60390 A 19900314; DE 59105755 T 19910305; DK 91890044 T 19910305; ES 91890044 T 19910305; FI 911195 A 19910311; IE 84691 A 19910313; NO 911002 A 19910313; TR 23491 A 19910314