

Title (en)  
TRANSFORMER ASSEMBLY

Title (de)  
TRANSFORMATORANORDNUNG

Title (fr)  
ENSEMBLE TRANSFORMATEUR

Publication  
**EP 4044205 A1 20220817 (EN)**

Application  
**EP 21157375 A 20210216**

Priority  
EP 21157375 A 20210216

Abstract (en)  
According to the present disclosure a transformer assembly is provided which comprises a core having a yoke. The yoke comprises a plane surface portion and an edge portion (8), wherein the edge portion (8) protrudes beyond the plane surface portion into a direction defined by a surface normal (N) perpendicular to the plane surface portion. Further, the transformer comprises a clamping plate (10) for clamping the yoke in a direction perpendicular to the surface normal (N), wherein the clamping plate (10) comprises a plane portion (12) oriented parallel to the plane surface portion of the yoke. The plane portion (12) of the clamping plate (10) is shaped such that the edge portion (8) of the yoke lies outside a projection of the plane portion (12) of the clamping plate (10) along the surface normal (N). In this manner, it is possible to reduce a distance between the plane portion (12) of the clamping plate (10) and the plane surface portion of the yoke. This allows reducing the extension of insulation members measured parallel to the surface normal which may be disposed between the plane portion (12) of the clamping plate (10) and the plane surface portion of the yoke.

IPC 8 full level  
**H01F 27/26** (2006.01); **H01F 27/30** (2006.01)

CPC (source: EP)  
**H01F 27/263** (2013.01); **H01F 27/306** (2013.01)

Citation (search report)  
• [X] DE 102015013578 A1 20170406 - SGB STARKSTROM GERÄTEBAU GMBH [DE]  
• [X] US 10262785 B2 20190416 - TAMÉZ TORRES GERARDO [MX]  
• [X] US 4839622 A 19890613 - HAY NOAH D [US]  
• [A] EP 3503134 A1 20190626 - EHMANN BERTRAM [DE]  
• [A] EP 2530686 A1 20121205 - ABB RESEARCH LTD [CH]  
• [A] US 2017018354 A1 20170119 - SARKAR SUBHAS [US]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 4044205 A1 20220817**

DOCDB simple family (application)  
**EP 21157375 A 20210216**