

Title (en)
Transformer coil

Title (de)
Transformatorwicklung

Title (fr)
Enroulement de transformateur

Publication
EP 2474986 A1 20120711 (DE)

Application
EP 11000040 A 20110105

Priority
EP 11000040 A 20110105

Abstract (en)
The winding (10) has two hollow-cylindrical winding modules (12, 14) provided with electrical conductors (18, 20) and axially arranged around a common winding axis (16). An electrical insulation layer (22) encloses the winding modules, and includes radial recesses (28, 30) or a ring-like radial projection (32) protruded transverse to the winding axis at a radial outer surface (24). The recesses are arranged between the winding modules. The winding is defined at axial front surfaces of front plates (38, 40). A flexible profile strip is partially wrapped by an insulation material.

Abstract (de)
Die Erfindung betrifft eine Transformatorwicklung (10, 50, 70) umfassend wenigstens zwei hohlzylindrisch um eine gemeinsame Wickelachse (16, 56, 80) angeordnete axial benachbarte Wicklungsmodule (12, 14, 52, 54, 72, 74, 76, 78) mit einem lagenweise gewickelten elektrischen Leiter (18, 20) sowie eine gemeinsame elektrische Isolationsschicht (22, 68, 82), durch welche die Wicklungsmodule (12, 14, 52, 54, 72, 74, 76, 78) umhüllt sind. Die Isolationsschicht (22, 68, 82) weist an ihrer radialen Außenfläche (24, 90) wenigstens eine quer zur Wickelachse (16, 56, 80) ausgeprägte ringartige radiale Vertiefung (28, 30, 58, 60, 62, 64, 66, 84, 86, 88) oder ringartige radiale Erhebung (32) auf.

IPC 8 full level
H01F 27/32 (2006.01)

CPC (source: EP US)
H01F 27/2895 (2013.01 - US); **H01F 27/327** (2013.01 - EP US); **H01F 27/323** (2013.01 - EP US); **H01F 2027/328** (2013.01 - EP US)

Citation (search report)
• [XY] CH 350711 A 19601215 - OERLIKON MASCHF [CH]
• [X] CH 294051 A 19531031 - OERLIKON MASCHF [CH]
• [X] EP 0654803 A1 19950524 - SACHSENWERK AG [DE]
• [Y] DE 287894 C
• [Y] DE 102006060567 A1 20080626 - ABB AG [DE]
• [Y] DE 102007053685 A1 20090514 - ABB TECHNOLOGY AG [CH]

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 2474986 A1 20120711; BR 112013015731 A2 20181030; CA 2823793 A1 20120712; CA 2823793 C 20170207; CN 103282982 A 20130904; CN 103282982 B 20160330; EP 2661759 A1 20131113; US 2013293340 A1 20131107; US 8692643 B2 20140408; WO 2012092942 A1 20120712

DOCDB simple family (application)
EP 11000040 A 20110105; BR 112013015731 A 20111129; CA 2823793 A 20111129; CN 201180064363 A 20111129; EP 11796621 A 20111129; EP 2011005970 W 20111129; US 201313934383 A 20130703