

Title (en)  
AIR-GAP WINDING

Title (de)  
LUFTSPALTWICKLUNG

Title (fr)  
ENROULEMENT À ENTREFER

Publication  
**EP 3248272 A1 20171129 (EN)**

Application  
**EP 14812141 A 20141117**

Priority  
EP 2014074781 W 20141117

Abstract (en)  
[origin: WO2016078691A1] A cylindrical multiphase coreless winding with hexagonal loops (2) is disclosed, preferably comprising two sections for each phase and having a symmetrical layout, said layout being such that a cross section of the winding according to a plane perpendicular to the main axis away from crossing regions of the loops comprises one or more concentric layers of cross-sectional areas (7) containing the loops of different phases, and that a cross section of the winding according to at least a second plane located in a crossing region of loops comprises one or more concentric layers of areas (8) containing a uniform distribution of loops of two phases.

IPC 8 full level  
**H02K 3/04** (2006.01); **H02K 3/28** (2006.01); **H02K 3/47** (2006.01)

CPC (source: CN EP)  
**H02K 3/04** (2013.01 - CN EP); **H02K 3/28** (2013.01 - CN EP); **H02K 3/47** (2013.01 - CN EP); **H02K 2201/06** (2013.01 - CN EP); **H02K 2213/03** (2013.01 - CN EP)

Citation (search report)  
See references of WO 2016078691A1

Citation (examination)

- WO 2008119120 A1 20081009 - HYBRIDAUTO PTY LTD [AU], et al
- EP 1841048 A2 20071003 - THINGAP CORP [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)  
**WO 2016078691 A1 20160526**; CN 107078579 A 20170818; EP 3248272 A1 20171129; TW 201622307 A 20160616

DOCDB simple family (application)  
**EP 2014074781 W 20141117**; CN 201480082275 A 20141117; EP 14812141 A 20141117; TW 104137913 A 20151117