

Title (en)
WINDING LAYER PITCH COMPENSATION FOR AN AIR-CORE REACTOR

Title (de)
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Title (fr)
SYSTÈME D'ÉGALISATION DU PAS DES COUCHES D'ENROULEMENTS D'UNE BOBINE DE SELF À AIR

Publication
EP 2973621 A1 20160120 (DE)

Application
EP 14707078 A 20140114

Priority
• AT 501792013 A 20130315
• AT 2014050009 W 20140114

Abstract (en)
[origin: WO2014138762A1] The invention relates to a winding layer pitch compensation for an air-core reactor (1) which has at least two concentric winding layers (2 - 5) that are spaced apart radially, comprising a combination of the following: a first set of strip-shaped star sheets (15), each of which is designed so as to be arranged radially below or above the winding layers (2 - 5) and which are provided with at least one receiving slot (20) along an edge (19), said receiving slot extending from the edge (19); and a second set of strip-shaped compensation sheets (18), each of which is provided with at least one insert slot (22) along an edge (21), said insert slot extending from the edge (21). A compensation sheet (18) can be inserted into each receiving slot (20) of a star sheet (15) in a formfitting manner, the star sheet (15) engaging into the insert slot (22) of the compensation sheet in a formfitting manner. The slot depths (TS) of at least two receiving slots (20) of the set of star sheets (15) are different.

IPC 8 full level
H01F 27/28 (2006.01); **H01F 27/00** (2006.01); **H01F 27/30** (2006.01)

CPC (source: AT EP US)
H01F 27/006 (2013.01 - EP US); **H01F 27/2823** (2013.01 - US); **H01F 27/30** (2013.01 - AT); **H01F 27/306** (2013.01 - EP US); **H01F 30/08** (2013.01 - AT); **H01F 37/005** (2013.01 - AT)

Citation (search report)
See references of WO 2014138762A1

Cited by
EP3796346A1; WO2021058229A1

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 2014138762 A1 20140918; AT 514282 A1 20141115; AT 514282 B1 20151015; BR 112015021881 A2 20170718; BR 112015021881 B1 20210217; CA 2902589 A1 20140918; CA 2902589 C 20211116; CN 105027233 A 20151104; CN 105027233 B 20180717; EP 2973621 A1 20160120; EP 2973621 B1 20170329; US 10777348 B2 20200915; US 2016005529 A1 20160107

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