

Title (en)

ELECTROMAGNETIC ASSEMBLY OF POLYPHASE STRUCTURE

Title (de)

ELEKTROMAGNETISCHE ANORDNUNG MIT MEHRPHASIGER STRUKTUR

Title (fr)

ENSEMBLE ÉLECTROMAGNÉTIQUE À STRUCTURE POLYPHASÉE

Publication

**EP 3563468 A1 20191106 (FR)**

Application

**EP 17828927 A 20171227**

Priority

- FR 1663405 A 20161227
- EP 2017084633 W 20171227

Abstract (en)

[origin: WO2018122255A1] The present invention relates to an electromagnetic assembly (1) of polyphase structure, said assembly including: a yoke (5) comprising an electromagnetic body; a plurality of spaced-apart blocks (50) that protrude with respect to one of the carrier faces (5A, 5B) of the yoke (5) and that are arranged, consecutively, along the periphery of the carrier face (5A, 5B) of the yoke (5); and at least one winding (6) that is associated with the blocks (50), wherein there is only one yoke (5), the plurality of blocks (50) is arranged in at least two groups of blocks (A, B, C) in which two consecutive blocks (50) of a given group of blocks (A, B, C) are spaced apart by an inter-block distance (E), and each group of blocks (A, B, C) is separated from the adjacent group of blocks (A, B, C) by an inter-group distance (D) that is different from the inter-block distance (E).

IPC 8 full level

**H02K 1/26** (2006.01); **H02K 1/16** (2006.01)

CPC (source: EP US)

**H02K 1/146** (2013.01 - US); **H02K 1/165** (2013.01 - EP US); **H02K 1/265** (2013.01 - EP US)

Citation (search report)

See references of WO 2018122255A1

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)

**FR 3061370 A1 20180629**; **FR 3061370 B1 20220513**; CN 110383635 A 20191025; EP 3563468 A1 20191106; JP 2020515216 A 20200521; US 11196307 B2 20211207; US 2020006992 A1 20200102; WO 2018122255 A1 20180705

DOCDB simple family (application)

**FR 1663405 A 20161227**; CN 201780081040 A 20171227; EP 17828927 A 20171227; EP 2017084633 W 20171227; JP 2019536165 A 20171227; US 201716474033 A 20171227