

Title (en)
Core for an electrical induction device

Title (de)
Kern für eine elektrische Induktionseinrichtung

Title (fr)
Noyau pour un dispositif d'induction électrique

Publication
EP 2975618 B1 20190529 (DE)

Application
EP 14177246 A 20140716

Priority
EP 14177246 A 20140716

Abstract (en)
[origin: WO2016008727A1] The invention relates to a core (1) for an electrical induction device, comprising a plurality of lamination stacks (2) which are each formed by laminated sheets (11, 11.1, 11.2), wherein the lamination stacks (2) lie on top of each other parallel to the layer plane of the laminated sheets (11, 11.1, 11.2). According to the invention, at least one of the lamination stacks (2) is segmented and has at least two partial lamination stacks (3), the two partial lamination stacks (3) respectively lying opposite each other with their stack end faces (3a) standing transverse, in particular perpendicular, to the layer plane of the laminated sheets (11, 11.1, 11.2), the stack end faces (3a) of the two partial lamination stacks (3) have a spacing between each other through which a gap is formed extending between the two partial lamination stacks (3) perpendicular to the layer plane, and the gap forms a cooling channel (4) or at least a section of a cooling channel (4), the channel longitudinal extension thereof extending transversely, in particular, perpendicular to the layer plane of the laminated sheets (11, 11.1, 11.2).

IPC 8 full level
H01F 27/12 (2006.01); **H01F 27/245** (2006.01)

CPC (source: EP US)
H01F 3/02 (2013.01 - US); **H01F 17/06** (2013.01 - US); **H01F 27/08** (2013.01 - US); **H01F 27/12** (2013.01 - EP US); **H01F 27/24** (2013.01 - US); **H01F 27/245** (2013.01 - EP US); **H01F 27/2455** (2013.01 - EP US)

Cited by
EP3373311A1

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

DOCDB simple family (publication)
EP 2975618 A1 20160120; EP 2975618 B1 20190529; US 2017213631 A1 20170727; US 9941043 B2 20180410; WO 2016008727 A1 20160121

DOCDB simple family (application)
EP 14177246 A 20140716; EP 2015065002 W 20150701; US 201515326886 A 20150701