

Title (en)
ELECTRICAL CONNECTION APPARATUS HAVING A PLANAR CHOKE

Title (de)
ELEKTRISCHE VERBINDUNGSVORRICHTUNG MIT PLANARER DROSSEL

Title (fr)
DISPOSITIF DE CONNEXION ÉLECTRIQUE DOTÉ D'UN PIÈGE PLANAIRE

Publication
EP 4292109 A1 20231220 (DE)

Application
EP 22718109 A 20220323

Priority
• DE 102021203048 A 20210326
• EP 2022057615 W 20220323

Abstract (en)
[origin: WO2022200418A1] The invention relates to an electrical connection apparatus having a planar choke, wherein the planar choke comprises a spiral device, wherein the spiral device comprises a first and a second planar busbar shaped as a spiral in each case, wherein the bus bars are arranged so as to be spaced apart in parallel one above the other, wherein the first bus bar turns inward in the manner of a spiral in a predetermined turning direction starting from an outer terminal of the connection apparatus and forms an inner terminal in an inner region of the spiral device, wherein the outer terminal of the first busbar forms a first terminal of the connection apparatus, wherein the second busbar turns outward in the manner of a spiral in the same turning direction starting from an inner terminal in the inner region of the spiral device and forms an outer terminal of the connection apparatus, wherein the outer terminal of the second busbar forms a second terminal of the connection apparatus, and wherein the inner terminals of the first and the second bus bar are electrically connected by means of a connecting element.

IPC 8 full level
H01F 27/28 (2006.01); **H01F 27/30** (2006.01); **H01F 37/00** (2006.01); **H02M 1/14** (2006.01)

CPC (source: EP)
H01F 27/2847 (2013.01); **H01F 27/303** (2013.01); **H01F 37/005** (2013.01); **H02M 1/14** (2013.01); **H02M 1/007** (2021.05); **H02M 3/003** (2021.05); **H02M 7/003** (2013.01)

Citation (search report)
See references of WO 2022200418A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102021203048 A1 20220929; CN 117043899 A 20231110; EP 4292109 A1 20231220; WO 2022200418 A1 20220929

DOCDB simple family (application)
DE 102021203048 A 20210326; CN 202280023825 A 20220323; EP 2022057615 W 20220323; EP 22718109 A 20220323