

Title (en)

COIL AND METHOD FOR PRODUCING A COIL

Title (de)

SPULE UND VERFAHREN ZUR HERSTELLUNG DER SPULE

Title (fr)

BOBINE ET PROCÉDÉ DE PRODUCTION DE CETTE BOBINE

Publication

EP 3924985 A1 20211222 (DE)

Application

EP 20705691 A 20200214

Priority

- DE 102019103895 A 20190215
- EP 2020053963 W 20200214

Abstract (en)

[origin: WO2020165438A1] A coil (1), which has a pipe (2) with a pipe wall (6) composed of an electrically conductive material, wherein the pipe (2) has an inductive section (7) in which a gap (4) in the pipe wall (6) is arranged, which gap (4) shapes the pipe wall (6) to form a spiral in the inductive section (7), and wherein the pipe (2) has two contact sections (8) in which the pipe wall (6) is shaped to form an electrical connection. Further aspects relate to a module having a plurality of coils, to a method for producing a coil, and to a method for producing a module.

IPC 8 full level

H01F 5/00 (2006.01); **B23C 3/32** (2006.01); **H01F 17/04** (2006.01); **H01F 27/02** (2006.01); **H01F 27/29** (2006.01); **H01F 41/04** (2006.01)

CPC (source: EP KR US)

H01F 5/00 (2013.01 - EP KR); **H01F 27/022** (2013.01 - EP KR US); **H01F 27/2804** (2013.01 - KR); **H01F 27/2828** (2013.01 - KR US); **H01F 27/29** (2013.01 - KR US); **H01F 27/292** (2013.01 - EP KR); **H01F 41/005** (2013.01 - US); **H01F 41/04** (2013.01 - EP KR); **H01F 41/064** (2016.01 - KR US); **H01F 41/076** (2016.01 - KR US); **H01F 27/2804** (2013.01 - US); **H01F 2017/048** (2013.01 - EP KR)

Citation (search report)

See references of WO 2020165438A1

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 2020165438 A1 20200820; CN 113396462 A 20210914; CN 113396462 B 20230505; DE 102019103895 A1 20200820; EP 3924985 A1 20211222; JP 2022520617 A 20220331; JP 2023139185 A 20231003; KR 20210102982 A 20210820; KR 20230144118 A 20231013; TW 202046348 A 20201216; TW I768289 B 20220621; US 2022093324 A1 20220324

DOCDB simple family (application)

EP 2020053963 W 20200214; CN 202080014236 A 20200214; DE 102019103895 A 20190215; EP 20705691 A 20200214; JP 2021547438 A 20200214; JP 2023120370 A 20230725; KR 20217024047 A 20200214; KR 20237033624 A 20200214; TW 109104700 A 20200214; US 202017425565 A 20200214