

Title (en)

COIL ELEMENT FOR AN ELECTRICAL MACHINE

Title (de)

SPULENELEMENT FÜR EINE ELEKTRISCHE MASCHINE

Title (fr)

ÉLÉMENT DE BOBINE POUR MACHINE ÉLECTRIQUE

Publication

**EP 4038724 A1 20220810 (DE)**

Application

**EP 20780684 A 20200925**

Priority

- DE 102019215097 A 20191001
- EP 2020076872 W 20200925

Abstract (en)

[origin: WO2021063822A1] The invention relates to a coil element (6, 6') for a coil of an electrical machine comprising at least two conductor elements (10), which run in parallel, for arrangement in slots (3) of a coil former (2) and at least one connecting section (8) which connects the two conductor elements (10) to one another, wherein the conductor elements (10) and the connecting section (10) are formed in one piece, characterized in that a bending point (11, 11') in a plane which is spanned by the two conductor elements (10) is provided only at a transition (9) from one conductor element (10) to the connecting section (8), and in that the connecting section (8) runs in a straight line. Further aspects of the invention are a wave winding for an electrical machine having at least one coil element of this kind, and an electrical machine.

IPC 8 full level

**H02K 3/12** (2006.01); **H02K 3/28** (2006.01)

CPC (source: CN EP US)

**H02K 3/12** (2013.01 - CN EP US); **H02K 3/28** (2013.01 - CN EP US); **H02K 15/0478** (2013.01 - US); **H02K 2213/03** (2013.01 - CN US)

Citation (search report)

See references of WO 2021063822A1

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)

**DE 102019215097 A1 20210401**; CN 114467243 A 20220510; EP 4038724 A1 20220810; US 2022368186 A1 20221117; WO 2021063822 A1 20210408

DOCDB simple family (application)

**DE 102019215097 A 20191001**; CN 202080069568 A 20200925; EP 2020076872 W 20200925; EP 20780684 A 20200925; US 202017765545 A 20200925