

Title (en)

ELECTROMAGNETIC HEATING COIL, HEATING ASSEMBLY, AND ELECTRONIC ATOMIZING DEVICE

Title (de)

ELEKTROMAGNETISCHE HEIZSPULE, HEIZANORDNUNG UND ELEKTRONISCHE ZERSTÄUBUNGSVORRICHTUNG

Title (fr)

BOBINE DE CHAUFFAGE ÉLECTROMAGNÉTIQUE, ENSEMBLE DE CHAUFFAGE ET DISPOSITIF D'ATOMISATION ÉLECTRONIQUE

Publication

**EP 4287769 A1 20231206 (EN)**

Application

**EP 23171836 A 20230505**

Priority

CN 202210620960 A 20220602

Abstract (en)

The present application relates to an electromagnetic heating coil, a heating assembly, and an electronic atomizing device. The electromagnetic heating coil includes a plurality of turns arranged in an axial direction. From one end to another end in the axial direction, the electromagnetic heating coil includes a first helical section and a second helical section sequentially connected to the first helical section. A pitch between any two adjacent turns of the first helical section is smaller than a pitch between any two adjacent turns of the second helical section.

IPC 8 full level

**H05B 6/10** (2006.01); **A24F 40/465** (2020.01)

CPC (source: CN EP KR)

**A24F 40/40** (2020.01 - CN); **A24F 40/46** (2020.01 - CN); **A24F 40/465** (2020.01 - EP KR); **H05B 6/108** (2013.01 - EP); **H05B 6/36** (2013.01 - KR); **A24F 40/20** (2020.01 - EP KR)

Citation (search report)

- [XYI] US 2021204603 A1 20210708 - TAURINO IRENE [CH]
- [XYI] US 2020077703 A1 20200312 - MONSALUD JR LUIS R [US], et al
- [Y] WO 2020182729 A1 20200917 - NICOVENTURES TRADING LTD [GB]
- [Y] CN 113662279 A 20211119 - UNIV WUHAN TECH

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 23171836 A 20230505**; CN 202210620960 A 20220602; CN 2023089226 W 20230419; JP 2023079297 A 20230512; KR 20230065664 A 20230522