

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 4287768 A1 20231206 (EN)

Application

EP 23171464 A 20230504

Priority

CN 202221366482 U 20220602

Abstract (en)

The present application relates to an electromagnetic coil, a heating assembly, and an electronic atomizing device. The electromagnetic heating coil is at least one wire bundle helically wound about an axis. In an extending direction of the axis, the electromagnetic heating coil comprises at least one turn. Each wire bundle comprises at least two conducting wires. Each turn has a first size in the extending direction of the axis and a second size in a first direction perpendicular to the extending direction of the axis. The first size is greater than the second size.

IPC 8 full level

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

CPC (source: EP KR)

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] WO 2020182746 A1 20200917 - NICOVENTURES TRADING LTD [GB]
- [XY] WO 2021116241 A1 20210617 - PHILIP MORRIS PRODUCTS SA [CH]
- [A] US 2021204603 A1 20210708 - TAURINO IRENE [CH]

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)

EP 4287768 A1 20231206; CN 217695285 U 20221101; JP 2023178216 A 20231214; KR 20230167702 A 20231211;
WO 2023231626 A1 20231207

DOCDB simple family (application)

EP 23171464 A 20230504; CN 202221366482 U 20220602; CN 2023089210 W 20230419; JP 2023074577 A 20230428;
KR 20230064126 A 20230518