

Title (en)

COIL WINDING AND AEROSOL GENERATING DEVICE

Title (de)

SPULENWICKLUNG UND AEROSOLERZEUGUNGSVORRICHTUNG

Title (fr)

ENROULEMENT DE BOBINE ET DISPOSITIF DE GÉNÉRATION D'AÉROSOL

Publication

**EP 4284116 A1 20231129 (EN)**

Application

**EP 23170292 A 20230427**

Priority

CN 202210563546 A 20220523

Abstract (en)

The present invention discloses a coil winding and an aerosol generating device having the same. The coil winding includes a support body (1) and coils (3). An outer surface of the support body (1) is provided with an air groove (2), the coils (3) are wound on the outer surface of the support body (1) and at least partially cover the air groove (2), and an air interlayer is formed by the air groove (2) between the support body (1) and the coils (3).

IPC 8 full level

**H05B 6/10** (2006.01); **A24F 40/20** (2020.01); **A24F 40/40** (2020.01); **A24F 40/465** (2020.01); **H05B 6/42** (2006.01)

CPC (source: CN EP KR)

**A24F 40/40** (2020.01 - CN); **A24F 40/465** (2020.01 - CN EP KR); **A24F 40/51** (2020.01 - CN); **A24F 40/57** (2020.01 - CN); **H05B 6/108** (2013.01 - EP); **H05B 6/36** (2013.01 - KR); **H05B 6/42** (2013.01 - EP); **A24F 40/20** (2020.01 - EP KR); **A24F 40/40** (2020.01 - EP); **H05B 2206/02** (2013.01 - KR)

Citation (search report)

- [XYI] EP 3020292 A1 20160518 - SHENZHEN FIRST UNION TECH CO [CN]
- [XYI] WO 2020182754 A1 20200917 - NICOVENTURES TRADING LTD [GB]
- [XI] US 2019191782 A1 20190627 - TANG JIANGUO [CN], et al
- [Y] WO 2021190214 A1 20210930 - SHENZHEN SMOORE TECHNOLOGY LTD [CN] & US 2023015720 A1 20230119 - ZHOU HONGMING [CN], et al

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 4284116 A1 20231129**; CN 114931239 A 20220823; JP 2023172914 A 20231206; KR 20230163291 A 20231130; WO 2023226587 A1 20231130

DOCDB simple family (application)

**EP 23170292 A 20230427**; CN 202210563546 A 20220523; CN 2023085118 W 20230330; JP 2023079224 A 20230512; KR 20230057080 A 20230502