

Title (en)

HEATING DEVICE COMPRISING HEATING ELEMENT AND HIGH-FREQUENCY HEATING ASSEMBLY

Title (de)

HEIZVORRICHTUNG MIT HEIZELEMENT UND HOCHFREQUENZHEIZANORDNUNG

Title (fr)

DISPOSITIF DE CHAUFFAGE COMPRENANT UN ÉLÉMENT CHAUFFANT ET UN ENSEMBLE DE CHAUFFAGE À HAUTE FRÉQUENCE

Publication

**EP 4035541 A1 20220803 (EN)**

Application

**EP 21000249 A 20210831**

Priority

- CN 202110142552 A 20210202
- CN 202120294144 U 20210202

Abstract (en)

A heating device includes a heating element 14 comprising a main body provided with a plurality of through-holes in which heating wires 10 are disposed, and a high-frequency heating assembly comprising an induction coil 17 and a container 21 for holding tobacco materials. In a power-on state, the heating element and the high-frequency heating assembly both operate to heat tobacco materials and produce smoke or vapour. A variable frequency power supply 5 is connected to the induction coil 10, and a temperature probe 11 is connected to the power supply board 7 to protect against overheating. A hookah comprising the heating device and a smoke filter with a water container (A) is also provided.

IPC 8 full level

**A24F 1/30** (2006.01); **A24F 40/46** (2020.01); **A24F 40/465** (2020.01)

CPC (source: EP US)

**A24F 1/30** (2013.01 - EP US); **A24F 40/42** (2020.01 - US); **A24F 40/46** (2020.01 - EP); **A24F 40/465** (2020.01 - EP US); **A24F 40/51** (2020.01 - US)

Citation (search report)

- [X1] CN 207040896 U 20180227 - SHENZHEN FIRST UNION TECH CO
- [X1] WO 2019128551 A1 20190704 - SHENZHEN INNOKIN ELECTRONIC TECH CO LIMITED [CN]
- [X1] US 2020060348 A1 20200227 - MIRONOV OLEG [CH], et al
- [X1] US 2020337369 A1 20201029 - EMMETT ROBERT [CH], 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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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