

Title (en)

HEATER, AND HEATING ATOMIZATION APPARATUS

Title (de)

HEIZELEMENT UND ZERSTÄUBUNGSVORRICHTUNG MIT HEIZUNG

Title (fr)

DISPOSITIF DE CHAUFFAGE ET APPAREIL D'ATOMISATION CHAUFFANT

Publication

EP 4252560 A1 20231004 (EN)

Application

EP 21896819 A 20211115

Priority

- CN 202022783416 U 20201126
- CN 2021130524 W 20211115

Abstract (en)

A heater (10) and an electronic atomization device. The heater (10) is used for heating a heating base and comprises a support assembly (100) provided with a helical channel (140) and an open cavity (130); an air inlet (141) and an air outlet (142) are formed on two ends of the helical channel (140); the open cavity (130) is used for accommodating the heating base, and an opening (131) communicated with the outside is formed at one end of the open cavity (130); the air inlet (141) is closer to the opening (131) than the air outlet (142); at least part of the helical channel (140) surrounds the open cavity (130); and external air entering the helical channel (140) from the air inlet (141) is output to the open cavity (130) by means of the air outlet (142).

IPC 8 full level

A24F 40/00 (2020.01); **A24F 40/46** (2020.01)

CPC (source: EP KR)

A24F 40/46 (2020.01 - EP KR); **A24F 40/485** (2020.01 - EP KR); **H05B 3/04** (2013.01 - EP); **H05B 3/06** (2013.01 - KR); **H05B 3/10** (2013.01 - KR); **H05B 3/42** (2013.01 - EP KR); **A24F 40/20** (2020.01 - EP KR); **H05B 2203/022** (2013.01 - EP)

Citation (search report)

See references of WO 2022111318A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4252560 A1 20231004; CN 214629887 U 20211109; JP 2023542017 A 20231004; KR 20230057453 A 20230428; WO 2022111318 A1 20220602

DOCDB simple family (application)

EP 21896819 A 20211115; CN 202022783416 U 20201126; CN 2021130524 W 20211115; JP 2023518030 A 20211115; KR 20237010510 A 20211115