

Title (en)
ELECTRONIC ATOMIZATION DEVICE

Title (de)
ELEKTRONISCHE ZERSTÄUBUNGSVORRICHTUNG

Title (fr)
DISPOSITIF ÉLECTRONIQUE D'ATOMISATION

Publication
EP 4205580 A4 20231011 (EN)

Application
EP 20950734 A 20200827

Priority
CN 2020111829 W 20200827

Abstract (en)
[origin: EP4205580A1] An electronic atomization device, including a mouthpiece (3), an airflow sensor (2), and an activation channel (1) communicating the mouthpiece (3) and the airflow sensor (2). a liquid suction portion (21) is arranged on the section of the activation channel (1) close to the airflow sensor (2), and the liquid suction portion (21) is configured to absorb liquid flowing through the activation channel (1) through capillary force. By providing the liquid suction portion (21) on the section of the activation channel (1) close to the airflow sensor (2) to absorb a leakage liquid flowing to the activation channel (1), the airflow sensor (2) is prevented from being soaked by the leakage liquid, thereby reducing the failure of the airflow sensor (2), and ensuring the smoothness of the activation channel (1).

IPC 8 full level
A24F 40/485 (2020.01); **A24F 40/51** (2020.01); **A24F 40/10** (2020.01)

CPC (source: EP US)
A24F 40/10 (2020.01 - US); **A24F 40/42** (2020.01 - US); **A24F 40/48** (2020.01 - US); **A24F 40/485** (2020.01 - EP); **A24F 40/51** (2020.01 - EP US); **A24F 40/10** (2020.01 - EP)

Citation (search report)

- [XAI] WO 2020002924 A1 20200102 - NICOVENTURES TRADING LTD [GB]
- [XAY] WO 2019170032 A1 20190912 - CHANGZHOU PATENT ELECTRONIC TECH CO LTD [CN]
- [XAY] CN 211211454 U 20200811 - SHENZHEN FIRST UNION TECH CO

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

DOCDB simple family (publication)
EP 4205580 A1 20230705; EP 4205580 A4 20231011; US 2023189892 A1 20230622; WO 2022041063 A1 20220303

DOCDB simple family (application)
EP 20950734 A 20200827; CN 2020111829 W 20200827; US 202318174024 A 20230224