

Title (en)

AIRFLOW PATH ARRANGEMENT TO PRESSURE SENSOR FOR AN AEROSOL GENERATING DEVICE

Title (de)

LUFTSTROMWEGANORDNUNG FÜR DRUCKSENSOR FÜR EINE AEROSOLERZEUGUNGSVORRICHTUNG

Title (fr)

AGENCEMENT DE VOIE D'ÉCOULEMENT D'AIR POUR CAPTEUR DE PRESSION POUR UN DISPOSITIF DE GÉNÉRATION D'AÉROSOL

Publication

EP 4240186 A1 20230913 (EN)

Application

EP 21799270 A 20211026

Priority

- EP 20205661 A 20201104
- EP 2021079642 W 20211026

Abstract (en)

[origin: WO2022096317A1] The present invention relates to an aerosol generating device (100) including: an outside casing (101) containing a battery (102) and comprising a receiving cavity 103 for receiving an exchangeable cartomizer (10) in a removable manner, a power and control interface (104) connected to the battery (102) and positioned in the receiving cavity (103) for contacting with an electrical contact and air inlet interface (11) of the cartomizer (10), wherein the power and control interface (104) comprises an airflow sensor (105) and electrical contacts (106), wherein the power and control interface (104) comprises a deformable seal (107) configured to delimit a flow path (108) to the airflow sensor (105) and wherein the power and control interface (104) comprises a non-deformable holder (109) at least partially bordering a perimeter of the deformable seal (107) in the receiving cavity (103).

IPC 8 full level

A24F 40/40 (2020.01); **A24F 40/485** (2020.01); **A24F 40/51** (2020.01)

CPC (source: EP US)

A24F 40/10 (2020.01 - US); **A24F 40/40** (2020.01 - EP); **A24F 40/42** (2020.01 - US); **A24F 40/485** (2020.01 - EP US); **A24F 40/51** (2020.01 - EP US)

Citation (search report)

See references of WO 2022096317A1

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)

WO 2022096317 A1 20220512; EP 4240186 A1 20230913; US 2024016222 A1 20240118

DOCDB simple family (application)

EP 2021079642 W 20211026; EP 21799270 A 20211026; US 202118034961 A 20211026