

Title (en)
AEROSOL GENERATING DEVICE WITH PUFF DETECTION

Title (de)
AEROSOLERZEUGUNGSVORRICHTUNG MIT ZUGERKENNUNG

Title (fr)
DISPOSITIF DE PRODUCTION D'AÉROSOL AVEC DÉTECTION DE BOUFFÉE

Publication
EP 4301173 A1 20240110 (EN)

Application
EP 22708956 A 20220302

Priority

- EP 21160540 A 20210303
- EP 2022055297 W 20220302

Abstract (en)
[origin: WO2022184776A1] An aerosol-generating device for generating an aerosol from an aerosol-forming substrate. The aerosol-generating device may comprise a device housing defining a chamber for receiving the aerosol-forming substrate; an airflow channel extending from an air inlet in the device housing and through, or in fluid communication with, the chamber; and a puff sensor assembly comprising a heat transfer element and a temperature sensor in contact with the heat transfer element. A first portion of the airflow channel is at least partially defined by an airflow channel wall and a second portion of the airflow channel is at least partially defined by the heat transfer element, the second portion of the airflow channel being adjacent to the first portion and outside of the chamber. At least one of the thermal conductivity or thermal diffusivity of the heat transfer element is greater than the respective thermal conductivity or thermal diffusivity of the airflow channel wall.

IPC 8 full level
A24F 40/48 (2020.01); **A24F 40/51** (2020.01)

CPC (source: EP IL KR US)
A24F 40/46 (2020.01 - KR); **A24F 40/48** (2020.01 - IL KR); **A24F 40/485** (2020.01 - US); **A24F 40/51** (2020.01 - EP IL KR US); **A24F 40/53** (2020.01 - KR US); **A24F 40/57** (2020.01 - KR); **A24F 40/10** (2020.01 - US); **A24F 40/20** (2020.01 - US); **A24F 40/42** (2020.01 - US); **A24F 40/465** (2020.01 - US); **A24F 40/48** (2020.01 - EP); **A24F 40/57** (2020.01 - US)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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KH MA MD TN

DOCDB simple family (publication)
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