

Title (en)  
AEROSOL GENERATION DEVICE ALERTING OF A FORTHCOMING CAPILLARY ELEMENT DRYING

Title (de)  
AEROSOLERZEUGUNGSVORRICHTUNG ZUR WARNUNG VOR EINER BEVORSTEHENDEN TROCKNUNG EINES KAPILLARELEMENTS

Title (fr)  
DISPOSITIF DE GÉNÉRATION D'AÉROSOL ALERTANT D'UN PROCHAIN SÉCHAGE D'ÉLÉMENT CAPILLAIRE

Publication  
**EP 4111890 A1 20230104 (EN)**

Application  
**EP 21183228 A 20210701**

Priority  
EP 21183228 A 20210701

Abstract (en)  
An aerosol generation device (1) comprises:- a reservoir (5) storing an aerosol-forming liquid,- a heater (18) arranged, when supplied with electrical power, for heating this aerosol-forming liquid to induce generation of an aerosol that can be inhaled by a user during a puff, and- an electrical and control device comprising a controller arranged for controlling electrical power supply to this heater (18) and, after each puff, for estimating a first quantity of aerosol-forming liquid consumed from at least an electrical power supplied to the heater (18), a puff duration and a flow rate of the generated aerosol, and a second quantity remaining in the reservoir (5) by subtracting the estimated first quantity from the last second quantity remaining before the puff, and for triggering an alert for the user when this estimated second quantity is smaller than a chosen threshold.

IPC 8 full level  
**A24F 40/51** (2020.01); **A24F 40/53** (2020.01)

CPC (source: EP)  
**A24F 40/53** (2020.01); **A24F 40/60** (2020.01); **A24F 40/10** (2020.01)

Citation (applicant)  
EP 2468116 A1 20120627 - PHILIP MORRIS PROD [CH]

Citation (search report)

- [A] WO 2016090303 A1 20160609 - PAX LABS INC [US]
- [A] WO 2018184861 A1 20181011 - PHILIP MORRIS PRODUCTS SA [CH]
- [A] WO 2021011739 A1 20210121 - INSTRUMEMS INC [US]
- [AD] EP 2468116 A1 20120627 - PHILIP MORRIS PROD [CH]

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)  
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