

Title (en)

HEATING ELEMENT AND HEATER ASSEMBLIES, CARTRIDGES, AND E-VAPOR DEVICES INCLUDING A HEATING ELEMENT

Title (de)

ERWÄRMUNGSELEMENT UND ERWÄRMERANORDNUNGEN, KARTUSCHEN UND E-VAPOR-VORRICHTUNGEN MIT EINEM ERWÄRMUNGSELEMENT

Title (fr)

ÉLÉMENT CHAUFFANT ET ENSEMBLES DISPOSITIF DE CHAUFFAGE, CARTOUCHES ET DISPOSITIFS DE VAPOTAGE COMPRENANT UN ÉLÉMENT CHAUFFANT

Publication

EP 4236621 A3 20231018 (EN)

Application

EP 23167408 A 20200116

Priority

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- EP 20706888 A 20200116
- US 2020013848 W 20200116

Abstract (en)

Disclosed is a heater assembly comprising a heating element. The heating element includes a planar portion including a filament, the filament defining an air channel through the planar portion, and being arranged so as to form a plurality of curves. The plurality of curves include a closed end, an open end, and a tip extending away from the air channel thereon, the tip of each of the curves being generally rectangular in shape. The heating element further includes a first lead portion and a second lead portion, at one of the first lead portion, the second lead portion, or the first lead portion and second lead portion being coplanar with the heating element; and a support, with the heating element being in contact with the support such that the tip of each one of the curves rests thereon.

IPC 8 full level

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Citation (search report)

- [A] WO 2016172448 A1 20161027 - ALTRIA CLIENT SERVICES LLC [US]
- [A] CN 104770893 A 20150715 - CHINA TOBACCO YUNNAN IND CO LTD
- [A] US 2018125120 A1 20180510 - GAVRIELOV SHMUEL [US], et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 2020167407 A1 20200820; CA 3125233 A1 20200820; EA 202192230 A1 20211122; EP 3871468 A1 20210901; EP 3871468 B1 20230412; EP 4236621 A2 20230830; EP 4236621 A3 20231018; IL 285566 A 20210930

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