

Title (en)
AEROSOL DELIVERY SYSTEM

Title (de)
AEROSOLABGABESYSTEM

Title (fr)
SYSTÈME DE DISTRIBUTION D'AÉROSOL

Publication
EP 3941285 A1 20220126 (EN)

Application
EP 20715761 A 20200317

Priority
• EP 19164470 A 20190321
• EP 2020057338 W 20200317

Abstract (en)
[origin: EP3711612A1] An aerosol delivery system has a fluid transfer article (34) with a first region (34a) for holding an aerosol precursor, and a wick (34c) which extends from the reservoir and makes abutting unbonded contact with a heating region (24) of a heater of the aerosol-delivery system. There may be a seal closing the reservoir, with the wick extending through the seal so that aerosol precursor may pass from the reservoir through the wick to the heating surface. When the heater is active, that aerosol precursor will be heated to form an aerosol or vapour. When the user sucks or inhales through the aerosol delivery system, air flows through the air-flow pathway across the heating surface of the heater, so that aerosol passes from the heater and/or wick to the user in the air-flow. The heating region of the heater may be flexible. It may therefore deform due to the contact between itself and the wick ensuring good contact therebetween. The fluid-transfer article and the heater may be separable, to allow the fluid-transfer article to be replaced. The heating region includes at least one electrically conductive filament (36) which generates heater when electrical current is passed therethrough. The or each filament has a coating of electrically insulating material thereon, the coating having a thickness not greater than 50µm.

IPC 8 full level
A24F 47/00 (2020.01); **A24F 40/10** (2020.01); **A24F 40/46** (2020.01)

CPC (source: EP)
A24F 40/46 (2020.01); **A24F 40/10** (2020.01)

Citation (search report)
See references of WO 2020187935A1

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

DOCDB simple family (publication)
EP 3711612 A1 20200923; EP 3941285 A1 20220126; EP 3941285 B1 20230607; EP 3941285 B8 20230719; EP 4233593 A2 20230830; EP 4233593 A3 20231101; WO 2020187935 A1 20200924

DOCDB simple family (application)
EP 19164470 A 20190321; EP 2020057338 W 20200317; EP 20715761 A 20200317; EP 23177656 A 20200317