

Title (en)

COMPOSITE HEATING AEROSOL-GENERATING DEVICE

Title (de)

AEROSOLERZEUGUNGSVORRICHTUNG MIT VERBUNDWÄRME

Title (fr)

DISPOSITIF DE GÉNÉRATION D'AÉROSOL CHAUFFANT COMPOSITE

Publication

EP 3965531 A1 20220309 (EN)

Application

EP 20798812 A 20200429

Priority

- KR 20190049485 A 20190429
- KR 20190049516 A 20190429
- KR 20190101161 A 20190819
- KR 20190119336 A 20190927
- KR 2020005676 W 20200429

Abstract (en)

The present invention relates to an aerosol generating device, and more particularly, to a complex heating type aerosol generating device that can heat a smoking article having a plurality of aerosol-forming substrates. According to an embodiment of the present invention, there is provided a complex heating type aerosol generating device, which is grippable and portable-sized, for a smoking article having a first aerosol-forming substrate and a second aerosol-forming substrate arranged at the upstream of the first aerosol-forming substrate, the complex heating type aerosol generating device comprising: a cavity provided in the device into which the smoking article can be inserted; a first heating means provided in the device to heat the interior or exterior of the first aerosol-forming substrate of the smoking article within a first temperature range; a second heating means provided in the device to heat the interior or exterior of the second aerosol-forming substrate of the smoking article within a second temperature range; first and second sensors provided in the device to sense the temperatures of the first and second heating means, respectively; a rechargeable battery provided in the device to function as a direct current power source; and a control unit provided in the device and electrically connected to the first and second sensors and the battery, to control the first and second heating means according to the sensed values of the first and second sensors, respectively, by receiving direct current power from the battery.

IPC 8 full level

H05B 6/10 (2006.01); **H05B 1/02** (2006.01); **H05B 3/20** (2006.01); **H05B 6/36** (2006.01)

CPC (source: EP)

A24F 40/30 (2020.01); **A24F 40/465** (2020.01); **H05B 1/0227** (2013.01); **H05B 3/40** (2013.01); **H05B 6/108** (2013.01); **A24F 40/10** (2020.01); **A24F 40/20** (2020.01)

Cited by

US12022883B2; WO2024008031A1

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 3965531 A1 20220309; **EP 3965531 A4 20230531**; CN 113796160 A 20211214

DOCDB simple family (application)

EP 20798812 A 20200429; CN 202080032096 A 20200429