

Title (en)

SUPPORT MEMBER FOR AROMA CARTRIDGE, AND AROMA CARTRIDGE PROVIDED WITH SAME

Title (de)

TRÄGERELEMENT FÜR AROMAPATRONE UND DAMIT VERSEHENE AROMAPATRONE

Title (fr)

ÉLÉMENT DE SUPPORT POUR CARTOUCHE D'ARÔME ET CARTOUCHE D'ARÔME DOTÉE DE CE DERNIER

Publication

**EP 3949767 A4 20221228 (EN)**

Application

**EP 20784437 A 20200331**

Priority

- JP 2019069570 A 20190331
- JP 2020014857 W 20200331

Abstract (en)

[origin: EP3949767A1] Channels 301 (channels 301A to 301D) for an aerosol stream passing from an inlet edge 300A to an outlet edge 300B is provided to a support member 300 of an aroma cartridge. Moreover, a mixing space 302 for mixing aerosol stream passing to the support member 300 from an aroma-generating source to be heated 110 shown in FIG. 1 and FIG. 2(A) is provided at an inlet edge of the channels 301 of the support member 300. The mixing space 302 unifies a flow amount and a flow rate of the aerosol passing from the aroma-generating source to be heated 110 to the support member 300, caused by the kind and the charged amount of the base member 110A of the aroma-generating source to be heated 110, and allows a user to readily breathe the aroma components released from the aroma-generating source to be heated 110. The utilization of information in an ID chip realizes stabilization of the aerosol stream, stable support of the aroma-generating base substrate to be heated when inserting a heating element, and improvement of easy operation when inserting the cartridge.

IPC 8 full level

**A24F 40/485** (2020.01); **A24D 1/20** (2020.01); **A24D 1/22** (2020.01); **A24F 40/53** (2020.01); **A24F 47/00** (2020.01)

CPC (source: EP US)

**A24D 1/20** (2020.01 - EP); **A24D 1/22** (2020.01 - EP); **A24D 3/17** (2020.01 - US); **A24F 40/42** (2020.01 - US); **A24F 40/53** (2020.01 - EP US); **A24F 40/65** (2020.01 - US)

Citation (search report)

- [XP] WO 2019220904 A1 20191121 - TOA IND CO LTD [JP] & US 2021112855 A1 20210422 - WATANABE RYUJI [JP]
- [X] CN 104921296 A 20150923 - CHINA TOBACCO YUNNAN IND CO LTD
- [X] CN 104939314 A 20150930 - CHINA TOBACCO YUNNAN IND CO LTD
- [X] CN 207505912 U 20180619 - NANTONG JINYUAN NEW MAT CO LTD
- See also references of WO 2020204039A1

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

DOCDB simple family (publication)

**EP 3949767 A1 20220209**; **EP 3949767 A4 20221228**; CN 110680018 A 20200114; CN 211672458 U 20201016; TW 202042666 A 20201201; TW I752451 B 20220111; US 2022192263 A1 20220623; WO 2020204039 A1 20201008

DOCDB simple family (application)

**EP 20784437 A 20200331**; CN 201910851658 A 20190910; CN 201921507659 U 20190910; JP 2020014857 W 20200331; TW 109111057 A 20200331; US 202017600747 A 20200331