

Title (en)

WICK DEVICE FOR EVAPORATING FRAGRANCE HAVING A FLOW CHANNEL

Title (de)

DOCHTVORRICHTUNG ZUM VERDAMPFEN VON DUFTSTOFF MIT STRÖMUNGSKANAL

Title (fr)

DISPOSITIF À MÈCHE POUR L'ÉVAPORATION DE PARFUM AVEC CONDUIT D'ÉCOULEMENT

Publication

EP 3471784 A1 20190424 (DE)

Application

EP 16731028 A 20160616

Priority

EP 2016001006 W 20160616

Abstract (en)

[origin: WO2017215726A1] The invention relates to a device (1), comprising a container (2) for the substance (3) to be dispensed, a wick (4) as a capillary element, which wick is in contact with the substance (3) to be dispensed and is arranged in the container (2) at least in parts and forms part of the container (2), said wick having a wick-side substance dispensing area (7). According to the invention, at least one heating element (8) is provided, by means of which a substance air flow (60), which is enriched with substance and flows away from the device (1), can be produced by releasing heat to the wick-side substance dispensing area (7) and by means of which a substantially substance-free hot air flow (63), which flows away from the device (1) and is preferably warmer than the substance air flow (60), can be produced by releasing heat to the air surrounding the at least one heating element (8). Furthermore, a flow-guiding and/or deflecting apparatus is provided, by means of which at least one of the air flows flowing away, preferably the substance-free hot air flow (63), can be guided and/or deflected in such a way that the two air flows flowing away from the device (1) hit each other, preferably at a defined angle of incidence, and form a common substance-and-hot-air flow (64) flowing away from the device.

IPC 8 full level

A61L 9/12 (2006.01); **A01M 1/20** (2006.01); **A61L 9/03** (2006.01); **F23D 3/24** (2006.01)

CPC (source: EP US)

A01M 1/2044 (2013.01 - EP US); **A01M 1/2077** (2013.01 - EP US); **A61L 9/037** (2013.01 - EP US); **A61L 2209/133** (2013.01 - EP US)

Citation (search report)

See references of WO 2017215726A1

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)

WO 2017215726 A1 20171221; CN 109789235 A 20190521; CN 109789235 B 20220816; EP 3471784 A1 20190424; US 11534520 B2 20221227; US 2019117818 A1 20190425

DOCDB simple family (application)

EP 2016001006 W 20160616; CN 201680088501 A 20160616; EP 16731028 A 20160616; US 201616310264 A 20160616