

Title (en)

INTELLIGENT DEVICE FOR DOUBLE FRAGRANCE DIFFUSION OF SCENTS IN A CONFINED ENVIRONMENT

Title (de)

INTELLIGENTE VORRICHTUNG ZUR DOPPELTEN DUFTDIFFUSION VON DUFTSTOFFEN IN EINER EINGEGRENZTEN UMGEBUNG

Title (fr)

DISPOSITIF INTELLIGENT POUR DIFFUSION DE PARFUM DOUBLE D'ODEURS DANS UN ENVIRONNEMENT CONFINÉ

Publication

EP 3833407 A2 20210616 (EN)

Application

EP 19768912 A 20190805

Priority

- IT 201800007878 A 20180806
- IB 2019056632 W 20190805

Abstract (en)

[origin: WO2020031052A2] A device for double fragrance diffusion of scents is provided with an internal mechanism 18 comprising gear means 18.1, 18.2, 18.5 and a cam 18.4, featuring a flat surface positioned in such a way as to adhere to the lower flat surface 6.1 of at least one of two pressurized containers 6 and a toothed surface engaging said gear means operationally connected to a direct current electric motor 19 which, upon starting, operates said cam and triggers a lower thrust on a container 6, or alternately in the other, as a function of the sense of rotation of the cam, and makes a pressurized scented liquid go out from the valve 6.2 provided with a conveyer 6.3 conjugated with either hole 7 of an outer case 2, in the form of an aerosol. The device is provided with a control unit for controlling said release mechanism 18 and for selecting the fragrance that is appropriate for the assessed environmental conditions; for this purpose, the device is provided with sensors internal with respect to the device which allow to monitor the thermo-hygrometric and acoustical conditions of a reference environment and of actuators for interacting with users by way of sensorial alerts. The device can be a component part of a kit also comprising two pressurized containers, each containing a scented liquid, and a support, positionable inside a compartment of the intelligent device, for a removable insertion of the two containers.

IPC 8 full level

A61L 9/12 (2006.01); **A61L 9/14** (2006.01)

CPC (source: EP)

A61L 9/125 (2013.01); **A61L 9/14** (2013.01)

Citation (search report)

See references of WO 2020031052A2

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 2020031052 A2 20200213; **WO 2020031052 A3 20200319**; CN 112533650 A 20210319; EP 3833407 A2 20210616; IT 201800007878 A1 20200206

DOCDB simple family (application)

IB 2019056632 W 20190805; CN 201980052483 A 20190805; EP 19768912 A 20190805; IT 201800007878 A 20180806