

Title (en)

PLANT-BASED AIR FILTRATION DEVICE AND ITS USE

Title (de)

LUFTFILTRIERVORRICHTUNG AUF PFLANZLICHER BASIS UND IHRE VERWENDUNG

Title (fr)

DISPOSITIF DE FILTRATION D'AIR À BASE DE PLANTES ET SON UTILISATION

Publication

**EP 3989710 A1 20220504 (EN)**

Application

**EP 20739278 A 20200625**

Priority

- BE 201905409 A 20190625
- EP 2020067971 W 20200625

Abstract (en)

[origin: WO2020260550A1] A plant-based air filtration device (100), and its use for filtering ambient air for example of road walls, train walls or on building façades, parking slopes, tunnel exits or building interiors, wherein ambient air entering through the sediment filtration means (70) is accelerated by the airflow generation means (60) vertically towards the air distribution duct (30) thereby pushing the air through the front openings of the air distribution duct (30) and distributing the water from the water distribution means (22) laterally to and within the plant-based layer (15) of the plant-based multi-layer materials (12).

IPC 8 full level

**A01G 9/02** (2018.01)

CPC (source: EP)

**A01G 9/025** (2013.01); **B01D 53/85** (2013.01); **B01D 2258/06** (2013.01); **Y02A 50/20** (2017.12); **Y02P 60/20** (2015.11)

Citation (search report)

See references of WO 2020260550A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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**EP 2020067971 W 20200625**; BE 201905409 A 20190625; EP 20739278 A 20200625; NL 2025921 A 20200625