

Title (en)

A DEVICE FOR CAPTURING AND CLEANING OF NANO PARTICLES FROM THE AIR

Title (de)

VORRICHTUNG ZUM EINFANGEN UND REINIGEN VON NANOTEILCHEN AUS DER LUFT

Title (fr)

DISPOSITIF DE CAPTURE ET DE NETTOYAGE DE NANOPARTICULES À PARTIR DE L'AIR

Publication

**EP 3856391 A4 20220511 (EN)**

Application

**EP 18935423 A 20180924**

Priority

TR 2018050520 W 20180924

Abstract (en)

[origin: WO2020068007A1] The invention relates to a novel device to capture and clean the air from Particulate Matter (PM). Materials used to catch Nano particles are: Water and soap foam, and relevant chemicals which catch certain air pollutants. The invention is designed to suck and mix outside air with water and soap foam. The mixture is circulating inside the Vessel (19) by water pump (2) and sprayed by ejectors (24). Ejectors (24) split-up air into small pieces in water solution (I). The air is moving up through water solution (I) and soap foam. On the top of the vessel (19), there are felts (16) to catch the water and soap foam drops. Clean air is going out through felts (16) and upper air outlet holes (18) in the wall and on the top of the vessel (19).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- See references of WO 2020068007A1

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