

Title (en)
AIR PURIFIER APPARATUS

Title (de)
LUFTREINIGER

Title (fr)
APPAREIL PURIFICATEUR D'AIR

Publication
EP 4040055 A1 20220810 (EN)

Application
EP 21020059 A 20210206

Priority
EP 21020059 A 20210206

Abstract (en)
An air purifier apparatus, comprising: a housing comprising an air intake opening to an external environment outside the housing; a plant pot disposed downstream of the air intake, configured to hold soil, and being perforated so as to enable contact between at least some air outside the plant pot and at least some of the soil inside the plant pot; an air purification filter disposed downstream of the plant pot; a fan disposed downstream of the air purification filter; an air outlet disposed downstream of the fan and located in a first compartment of the housing; a dehumidifier disposed in a second compartment of the housing separate from the first compartment and configured to extract water from air interacting with the dehumidifier, the second compartment having an air exchange perforation opening to the external environment; a watering system, configured to circulate water located inside the housing to the plant pot.

IPC 8 full level
F24F 1/0358 (2019.01); **A01G 7/00** (2006.01); **F24F 8/175** (2021.01); **F24F 11/50** (2018.01); **F24F 6/00** (2006.01); **F24F 110/20** (2018.01); **F24F 140/30** (2018.01)

CPC (source: EP)
F24F 1/0358 (2019.02); **F24F 8/175** (2021.01); **F24F 11/50** (2018.01); **F24F 2006/005** (2013.01); **F24F 2110/20** (2018.01); **F24F 2140/30** (2018.01)

Citation (applicant)
B.C. WOLVERTONANNE JOHNSONKEITH BOUNDS, INTERIOR LANDSCAPE PLANTS FOR INDOOR AIR POLLUTION ABATEMENT, 5 September 1989 (1989-09-05)

Citation (search report)
• [XAYI] CN 108469081 A 20180831 - HANGZHOU JIEGAO ENVIRONMENTAL PROTECTION TECH CO LTD
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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

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