

Title (en)

AIR DEHUMIDIFIER, ESPECIALLY FOR AIR COOLING OR AIR CONDITIONING MACHINES

Title (de)

LUFTENTFEUCHTER, INSBESONDERE FÜR LUFTKÜHL- ODER KLIMAANLAGEN

Title (fr)

DÉSHUMIDIFICATEUR D'AIR, EN PARTICULIER POUR DES MACHINES DE CONDITIONNEMENT D'AIR OU DE REFROIDISSEMENT D'AIR

Publication

**EP 3674616 B1 20220216 (EN)**

Application

**EP 19215543 A 20191212**

Priority

CZ 2018741 A 20181227

Abstract (en)

[origin: EP3674616A1] The invention relates to an air dehumidifier, especially for air cooling or air conditioning machines, arranged inside a cooling chamber (1) upstream of an air outlet from the cooling chamber (1). The air dehumidifier (4) comprises a body (41) in which is mounted a purifying cassette (42) comprising a sieve (424) coupled to an ultrasonic radiator (5), whereby below the purifying cassette (42) is arranged a snow and/or ice collector (43) which is associated with a snow and/or ice conveyor (44) which opens into a snow and ice collection container (45). The collection container is mounted outside the cooling chamber (1).

IPC 8 full level

**F25D 17/04** (2006.01); **F24F 11/41** (2018.01); **F25D 21/06** (2006.01)

CPC (source: CZ EP)

**F24F 11/41** (2017.12 - EP); **F25B 9/00** (2013.01 - CZ); **F25B 37/00** (2013.01 - CZ); **F25B 47/02** (2013.01 - CZ); **F25D 17/045** (2013.01 - EP); **F25D 17/047** (2013.01 - EP); **F25D 21/065** (2013.01 - EP); **F25B 27/00/02** (2013.01 - EP); **F25D 21/14** (2013.01 - EP); **F25D 2317/0411** (2013.01 - EP); **F25D 2321/144** (2013.01 - EP)

Citation (examination)

WO 2019078774 A1 20190425 - SWEGON OPERATIONS AB [SE]

Cited by

EP3715288A1; WO2024053206A1; WO2024053205A1

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

DOCDB simple family (publication)

**EP 3674616 A1 20200701**; **EP 3674616 B1 20220216**; CZ 2018741 A3 20200422; CZ 308293 B6 20200422

DOCDB simple family (application)

**EP 19215543 A 20191212**; CZ 2018741 A 20181227