

Title (en)
WICKLESS HUMIDIFIER

Title (de)
DOCHTLOSER LUFTBEFEUCHTER

Title (fr)
HUMIDIFICATEUR SANS MÈCHE

Publication
EP 4015923 A1 20220622 (EN)

Application
EP 21153175 A 20210125

Priority
CN 2020136883 W 20201216

Abstract (en)

A humidifier (10) is disclosed comprising a water containing arrangement (14, 70) for containing water and a nebulizing device (20) for nebulizing water from said water containing arrangement, an evaporation chamber (12) arranged over said nebulizing device, said evaporation chamber terminating at an impactor (40); and a fan (80) arranged to generate an air flow (85) through said evaporation chamber towards the impactor. The impactor comprises an inner body (50) having a plurality of apertures (54), and an outer body (60) having a plurality of further apertures (64) fluidly connected to said apertures, wherein said further apertures are offset relative to said apertures such that each aperture in the inner body faces a section (62) of a material of the outer body that is spatially separated from said aperture. Also disclosed is an impactor (40) for use with such a humidifier.

IPC 8 full level
F24F 6/00 (2006.01); **F24F 6/12** (2006.01); **F24F 13/06** (2006.01); **F24F 13/22** (2006.01)

CPC (source: EP)
F24F 6/00 (2013.01); **F24F 6/12** (2013.01); **F24F 13/06** (2013.01); **F24F 13/22** (2013.01); **F24F 2006/008** (2013.01)

Citation (applicant)

A.E. SAIN ET AL.: "Size and mineral composition of airborne particles generated by an ultrasonic humidifier", INDOOR AIR, vol. 28, no. 1, 2018, pages 80 - 88

Citation (search report)

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- [Y] WO 2010006969 A1 20100121 - MENTUS HOLDING AG [CH], et al
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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

DOCDB simple family (publication)
EP 4015923 A1 20220622

DOCDB simple family (application)
EP 21153175 A 20210125