

Title (en)

AIR PROCESSING DEVICES AND METHODS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR LUFTAUFBEREITUNG

Title (fr)

DISPOSITIFS ET PROCÉDÉS DE TRAITEMENT DE L'AIR

Publication

EP 4166855 A1 20230419 (EN)

Application

EP 21209805 A 20211123

Priority

CN 2021123857 W 20211014

Abstract (en)

There is provided an air processing device (100) comprising: an inlet (102); an outlet (104); a conduit (106) for air to pass between the inlet and the outlet; a fan (120) for driving a flow of air through the conduit between the inlet and the outlet; at least one air processing component (130) selected from: an air filter (132) arranged to filter air passing between the inlet and the outlet; and one or more components (134, 136) for adjusting a concentration of water vapour within the air passing between the inlet and the outlet, wherein the air processing device further comprises: a heater (142); and one or more ducts (144) for carrying heated air from the heater to one or more of the air processing components and/or the outlet respectively, wherein the ducts are arranged to introduce the heated air into the conduit between the inlet and the outlet.

IPC 8 full level

F24F 1/00 (2019.01); **F24F 6/00** (2006.01); **F24F 6/04** (2006.01); **F24F 8/10** (2021.01); **F24F 8/80** (2021.01); **F24F 11/00** (2018.01); **F24F 11/65** (2018.01)

CPC (source: EP)

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Citation (search report)

- [XA] US 2021080129 A1 20210318 - MCARDLE RYAN [US]
- [A] JP S5678930 U 19810626
- [A] CN 214276025 U 20210924 - JING WEIDONG
- [A] EP 1832817 A2 20070912 - SANYO ELECTRIC CO [JP]
- [A] CN 108870579 A 20181123 - ZHAOQING TIANDIREN TECH CO LTD

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

Designated validation state (EPC)

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