

Title (en)

DRIER AND METHOD FOR OPERATING A DRIER

Title (de)

TROCKNER UND VERFAHREN ZUM BETRIEB EINES TROCKNERS

Title (fr)

SÉCHOIR ET PROCÉDÉ POUR FAIRE FONCTIONNER UN SÉCHOIR

Publication

**EP 3784830 A1 20210303 (DE)**

Application

**EP 19729172 A 20190425**

Priority

- DE 102018206629 A 20180427
- DE 2019200033 W 20190425

Abstract (en)

[origin: WO2019206383A1] The invention relates to a drier comprising a receptacle (4) for the items to be dried, an air guide for guiding recirculated air (12) and/or fresh air (5) to the receptacle (4), a heating device (19) and at least one sensor (13, 17) for determining relative humidity and/or temperature, the air guide comprising at least one selection element (9, 11) so that the amount of recirculated air guided to the receptacle (4) can be varied using said selection element (9, 11). The drier according to the invention is characterized by comprising an open-loop or closed-loop controller so that the amount of recirculated air guided to the receptacle and/or the heating power of the heating device (19) can be controlled or adjusted during drying. The invention further relates to a method for operating a drier.

IPC 8 full level

**D06F 58/12** (2006.01); **D06F 58/02** (2006.01); **D06F 58/38** (2020.01)

CPC (source: EP US)

**D06F 58/20** (2013.01 - EP US); **D06F 58/26** (2013.01 - US); **D06F 95/00** (2013.01 - US); **D06F 58/02** (2013.01 - EP US);  
**D06F 58/38** (2020.02 - EP US); **D06F 95/00** (2013.01 - EP); **D06F 2103/02** (2020.02 - EP US); **D06F 2103/04** (2020.02 - US);  
**D06F 2103/06** (2020.02 - EP US); **D06F 2103/08** (2020.02 - EP US); **D06F 2103/12** (2020.02 - US); **D06F 2103/24** (2020.02 - EP US);  
**D06F 2103/32** (2020.02 - EP US); **D06F 2103/34** (2020.02 - EP US); **D06F 2103/36** (2020.02 - EP US); **D06F 2105/24** (2020.02 - EP US);  
**D06F 2105/28** (2020.02 - EP US); **D06F 2105/30** (2020.02 - US); **D06F 2105/32** (2020.02 - EP US); **D06F 2105/48** (2020.02 - US)

Cited by

US2021230792A1; US11976409B2

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)

**WO 2019206383 A1 20191031**; DE 102018206629 A1 20191031; DK 3784830 T3 20230710; EP 3784830 A1 20210303;  
EP 3784830 B1 20230405; ES 2949791 T3 20231003; FI 3784830 T3 20230711; US 11976409 B2 20240507; US 2021230792 A1 20210729

DOCDB simple family (application)

**DE 2019200033 W 20190425**; DE 102018206629 A 20180427; DK 19729172 T 20190425; EP 19729172 A 20190425; ES 19729172 T 20190425;  
FI 19729172 T 20190425; US 201917050675 A 20190425