

Title (en)

Dryer with a cross-flow heat exchanger and method for operating same

Title (de)

Trockner mit einem Kreuzstromwärmetauscher und Verfahren zu seinem Betrieb

Title (fr)

Séchoir doté d'un échangeur thermique à flux croisé et son procédé de fonctionnement

Publication

**EP 2565321 B1 20150114 (DE)**

Application

**EP 12182350 A 20120830**

Priority

DE 102011081940 A 20110901

Abstract (en)

[origin: EP2565321A1] The dryer (1) has an exhaust air duct (2) provided with a supply air duct (12) is arranged between drying chamber (3) and cross-flow heat exchanger (14). The exhaust air duct and cross-flow heat exchanger are provided such that the process air is flowed with respect to cooling flow inlet (24) of cross-flow heat exchanger by the exhaust air duct, with greater proportion. The flow guidance portion in the exhaust air duct is provided in the flowing against region of the cross-flow heat exchanger. An independent claim is included for method for operating dryer.

IPC 8 full level

**D06F 58/24** (2006.01); **D06F 58/30** (2020.01)

CPC (source: EP US)

**D06F 58/24** (2013.01 - EP US); **F28D 9/0068** (2013.01 - EP); **F28D 21/0014** (2013.01 - EP); **F28F 9/0268** (2013.01 - EP); **D06F 58/30** (2020.02 - EP US); **D06F 2103/36** (2020.02 - EP US); **D06F 2105/24** (2020.02 - EP US); **F28F 2250/106** (2013.01 - EP)

Cited by

EP2980306A1; EP3819423A1; US11686530B2; US10801790B2; EP3633307A1

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 2565321 A1 20130306; EP 2565321 B1 20150114**; DE 102011081940 A1 20130307; PL 2565321 T3 20150630

DOCDB simple family (application)

**EP 12182350 A 20120830**; DE 102011081940 A 20110901; PL 12182350 T 20120830