

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 58/28** (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; EP3633307A1; US10801790B2

Designated contracting state (EPC)

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

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