

Title (en)

HEATING SYSTEM FOR WARMING A GASEOUS TREATMENT MEDIUM FOR A DRYER

Title (de)

HEIZSYSTEM ZUM ERWÄRMEN EINES GASFÖRMIGEN BEHANDLUNGSMEDIUMS FÜR EINEN TROCKNER

Title (fr)

SYSTÈME DE CHAUFFAGE DESTINÉ À CHAUFFER UN MILIEU DE TRAITEMENT GAZEUX POUR UN SÉCHOIR

Publication

**EP 2758736 A1 20140730 (DE)**

Application

**EP 12746351 A 20120814**

Priority

- DE 102011113837 A 20110921
- EP 2012065887 W 20120814

Abstract (en)

[origin: WO2013041306A1] The invention relates to a heating system (38) for warming a gaseous treatment medium (30, 40) for a device for treating a preferably strip-shaped article (12) by means of a gaseous treatment medium (40), comprising a heating device, a mixing chamber (54) for mixing at least one first, gaseous heating medium (49) heated by means of the gas burner, and the gaseous treatment medium (30) already used for treatment and recycled by the device. Said gaseous heating medium (49) can be introduced into the mixing chamber (54) such that when the gaseous medium (49) is introduced into the mixing chamber (54), vortexes are produced in the mixing chamber (54), which generate an intensive thorough-mixing of the gaseous heating medium (49) with the recycled gaseous treatment medium (30).

IPC 8 full level

**F26B 13/16** (2006.01); **F26B 21/00** (2006.01); **F26B 21/04** (2006.01)

CPC (source: EP US)

**F26B 13/14** (2013.01 - US); **F26B 13/16** (2013.01 - EP US); **F26B 21/001** (2013.01 - US); **F26B 21/004** (2013.01 - EP US); **F26B 21/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2013041306A1

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)

**DE 102011113837 A1 20130321**; CN 103814267 A 20140521; CN 103814267 B 20160413; EP 2758736 A1 20140730; EP 2758736 B1 20170405; EP 3168559 A1 20170517; EP 3168559 B1 20200401; US 10539369 B2 20200121; US 2014223765 A1 20140814; WO 2013041306 A1 20130328

DOCDB simple family (application)

**DE 102011113837 A 20110921**; CN 201280045913 A 20120814; EP 12746351 A 20120814; EP 16203016 A 20120814; EP 2012065887 W 20120814; US 201214346117 A 20120814