

Title (en)

Exhaust air dryer with heat recovery and condensation bath and method for its operation

Title (de)

Ablufttrockner mit Wärmerückgewinnung und Kondensatwanne sowie Verfahren zu seinem Betrieb

Title (fr)

Sèche-linge à évacuation d'air doté d'une récupération de chaleur et cuve de condensation ainsi que son procédé de fonctionnement

Publication

EP 2055826 B1 20101222 (DE)

Application

EP 08105513 A 20081008

Priority

DE 102007052079 A 20071031

Abstract (en)

[origin: EP2055826A1] The dryer (1) has an air supply duct (2) for supplying air, and heat pumps (12, 18) for heating supply air and the heated supply air, where the air are supplied over articles to be dried using a blower (19). An air exhaust duct (16) and an engine (21) drive a drying chamber (3), a heat exchanger (14) of the exhaust duct and a condensate tub (20) that is arranged underneath the exchanger. An opening (22), a blower (23) and an inlet (25) dissipate warm air from a housing inner area (27) to the tub, where the opening enables influence of air present over the tub based on suction effect. An independent claim is also included for a method for operating an exhaust air dryer with a drying chamber for drying articles.

IPC 8 full level

D06F 58/24 (2006.01); **D06F 58/20** (2006.01)

CPC (source: EP US)

D06F 58/206 (2013.01 - EP US); **D06F 58/24** (2013.01 - EP US)

Cited by

CN113188305A; ITMI20091803A1; US2014373379A1; US9441322B2; US10053813B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2055826 A1 20090506; **EP 2055826 B1 20101222**; AT E492679 T1 20110115; DE 102007052079 A1 20090507; DE 502008002062 D1 20110203; US 2009119943 A1 20090514

DOCDB simple family (application)

EP 08105513 A 20081008; AT 08105513 T 20081008; DE 102007052079 A 20071031; DE 502008002062 T 20081008; US 29048508 A 20081030