

Title (en)  
Auxiliary burner

Title (de)  
Zusatzbrenner

Title (fr)  
Brûleur supplémentaire

Publication  
**EP 2924380 B1 20161207 (DE)**

Application  
**EP 14162383 A 20140328**

Priority  
EP 14162383 A 20140328

Abstract (en)  
[origin: CN104949499A] An auxiliary burner and a method for efficient utilisation of hot air flows in a dryer system for goods to be dried are provided, in particular for a vehicle painting plant. Waste air from the dryer is heated in a thermal post-combustion plant and, as clean gas is conducted through circulating air recuperators, the circulating air extracted from the dryer is heated up and returned into the dryer. A device for efficient utilisation of the hot air flows in a dryer system for goods to be dried is also provided, in particular for a vehicle painting system. The device includes a dryer, the waste air of which is heated in a thermal post-combustion plant. Clean gas is fed to circulating air recuperators and at least one fresh air recuperator. At least one additional heat source for the clean gas is also provided.

IPC 8 full level  
**F26B 21/04** (2006.01); **F26B 23/02** (2006.01)

CPC (source: EP US)  
**F26B 21/04** (2013.01 - EP US); **F26B 23/002** (2013.01 - US); **F26B 23/022** (2013.01 - EP US); **F26B 2210/12** (2013.01 - EP US)

Cited by  
CN108369066A; EP3387354B1

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 2924380 A1 20150930; EP 2924380 B1 20161207**; CN 104949499 A 20150930; CN 104949499 B 20190709; ES 2618455 T3 20170621; PL 2924380 T3 20170630; US 10254044 B2 20190409; US 2015276315 A1 20151001

DOCDB simple family (application)  
**EP 14162383 A 20140328**; CN 201510138588 A 20150327; ES 14162383 T 20140328; PL 14162383 T 20140328; US 201514671119 A 20150327