

Title (en)  
SWIRLING TYPE FLUIDIZED BED FURNACE

Title (de)  
WIRBELBETTFEUERUNG VOM WIRBELUNGSTYP

Title (fr)  
FOUR À LIT FLUIDISÉ DE TYPE TOURBILLONNAIRE

Publication  
**EP 2933557 B1 20170607 (EN)**

Application  
**EP 15163680 A 20150415**

Priority  
JP 2014084374 A 20140416

Abstract (en)  
[origin: EP2933557A1] Provided is a swirling type fluidized bed furnace capable of supplying a moving layer with an appropriate air quantity without providing a moving-layer pipe with a flow meter or a damper. A swirling type fluidized bed furnace 10 of the present invention includes a furnace body 11, a moving bed plate 32a supporting a moving layer 22, a first fluidized bed plate 34a and a second fluidized bed plate 36a supporting a fluidized layer 24, a roots blower 60 supplying the moving layer 22 with gas, and a turbo blower 40 supplying the fluidized layer 24 with gas, wherein the roots blower 60 is a volumetric air blower (60).

IPC 8 full level  
**F23C 10/00** (2006.01); **F23C 10/20** (2006.01)

CPC (source: CN EP)  
**F23C 10/00** (2013.01 - EP); **F23C 10/20** (2013.01 - EP); **F23G 5/30** (2013.01 - CN); **F23G 5/50** (2013.01 - CN)

Cited by  
EP3957909A1

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 2933557 A1 20151021; EP 2933557 B1 20170607**; CN 105042598 A 20151111; JP 2015203552 A 20151116; JP 6338430 B2 20180606; KR 102326929 B1 20211117; KR 20150119800 A 20151026

DOCDB simple family (application)  
**EP 15163680 A 20150415**; CN 201510176619 A 20150414; JP 2014084374 A 20140416; KR 20150050694 A 20150410