

Title (en)  
SWIRLING TYPE FLUIDIZED BED FURNACE

Title (de)  
WIRBELBETTFEUERUNG VOM WIRBELUNGSTYP

Title (fr)  
FOUR À LIT FLUIDISÉ DE TYPE TOURBILLONNAIRE

Publication  
**EP 2933557 A1 20151021 (EN)**

Application  
**EP 15163680 A 20150415**

Priority  
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Abstract (en)  
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)

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

Citation (applicant)  
• JP S57124608 A 19820803 - EBARA MFG  
• JP 2007113880 A 20070510 - KOBE STEEL LTD, et al  
• WO 2012066802 A1 20120524 - EBARA ENV PLANT CO LTD [JP], et al  
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Citation (search report)  
• [XDY] WO 2012066802 A1 20120524 - EBARA ENV PLANT CO LTD [JP], et al  
• [Y] EP 2320141 A1 20110511 - JTS INTERNAT CORP [JP], et al

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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

Designated extension state (EPC)  
BA ME

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**EP 15163680 A 20150415**; CN 201510176619 A 20150414; JP 2014084374 A 20140416; KR 20150050694 A 20150410