

Title (en)
FLUIDIZING DEVICE

Title (de)
FLUIDISIERUNGSAPPARAT

Title (fr)
APPAREIL DE FLUIDISATION

Publication
EP 2981351 A1 20160210 (DE)

Application
EP 14728815 A 20140403

Priority
• DE 102013005921 A 20130403
• DE 2014000163 W 20140403

Abstract (en)
[origin: WO2015117577A1] The invention relates to a fluidizing device (1) for conditioning solid particles, consisting of a deflection chamber (2), a swirling chamber (3), said swirling chamber (3) having separating walls (10) or similar for conveying solid particles along a conveying path, also comprising a solid particle inlet unit (6) and a solid particle outlet unit (7) and a flow receiving base (11). An air deflector plate (18) is arranged below the flow receiving base (11) and openings ratios, which are produced from the openings (22) in the air distribution plates (18), vary.

IPC 8 full level
B01J 8/36 (2006.01); **B01F 23/30** (2022.01); **B01J 8/38** (2006.01); **B01J 8/44** (2006.01)

CPC (source: EP US)
B01F 23/30 (2022.01 - US); **B01F 27/80** (2022.01 - US); **B01J 2/16** (2013.01 - EP US); **B01J 8/36** (2013.01 - EP US);
B01J 8/382 (2013.01 - EP US); **B01J 8/44** (2013.01 - EP US); **F26B 5/00** (2013.01 - US); **B01J 2208/00884** (2013.01 - EP US);
B01J 2208/0092 (2013.01 - EP US); **B01J 2208/00938** (2013.01 - US)

Citation (search report)
See references of WO 2015117577A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102013005921 A1 20141009; CN 105142770 A 20151209; CN 105142770 B 20180202; EP 2981351 A1 20160210;
JP 2016519749 A 20160707; US 10076738 B2 20180918; US 2016074827 A1 20160317; WO 2015117577 A1 20150813

DOCDB simple family (application)
DE 102013005921 A 20130403; CN 201480019241 A 20140403; DE 2014000163 W 20140403; EP 14728815 A 20140403;
JP 2016505705 A 20140403; US 201414781965 A 20140403