

Title (en)

GRAIN SIZE SELECTION AND/OR MATTER DRYING APPARATUS

Title (de)

KORNGRÖSSENWAHL UND/ODER MATERIALTROCKNUNGSVORRICHTUNG

Title (fr)

APPAREIL DE SÉLECTION GRANULOMÉTRIQUE ET/OU DE SÉCHAGE DE MATIÈRE

Publication

EP 2106294 B1 20120314 (FR)

Application

EP 07870307 A 20071120

Priority

- FR 2007001901 W 20071120
- FR 0610144 A 20061120

Abstract (en)

[origin: FR2908673A1] Apparatus for drying mineral particles comprises a vertical upflow pipe (1) with a bottom inlet for gas, a side inlet (4) for the particles, a top outlet (3) for gas and entrained fines, a bottom outlet (2) for coarser particles, and turbulence-creating baffles (5) between the bottom outlet and the side inlet. An independent claim is also included for a continuous grinding plant of the closed circuit type, comprising a grinder, drying apparatus as above in which the coarser particles are recycled to the grinder, a separator for removing oversize particles from and recycling them to the grinder, and a filter for separating fine product particles from the gas.

IPC 8 full level

B02C 17/18 (2006.01); **B07B 4/02** (2006.01); **B07B 9/02** (2006.01)

CPC (source: EP US)

B07B 4/02 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2908673 A1 20080523; FR 2908673 B1 20091106; AT E549088 T1 20120315; CA 2670906 A1 20080612; CA 2670906 C 20120110; CN 101583429 A 20091118; CN 101583429 B 20111116; DK 2106294 T3 20120618; EP 2106294 A2 20091007; EP 2106294 B1 20120314; ES 2384402 T3 20120704; JP 2010510468 A 20100402; JP 5497443 B2 20140521; MX 2009005334 A 20090902; PL 2106294 T3 20120831; RU 2009123505 A 20101227; RU 2445174 C2 20120320; UA 95818 C2 20110912; US 2010133369 A1 20100603; US 8245963 B2 20120821; WO 2008068432 A2 20080612; WO 2008068432 A3 20080807

DOCDB simple family (application)

FR 0610144 A 20061120; AT 07870307 T 20071120; CA 2670906 A 20071120; CN 200780043075 A 20071120; DK 07870307 T 20071120; EP 07870307 A 20071120; ES 07870307 T 20071120; FR 2007001901 W 20071120; JP 2009536765 A 20071120; MX 2009005334 A 20071120; PL 07870307 T 20071120; RU 2009123505 A 20071120; UA A200904956 A 20071120; US 44797307 A 20071120