

Title (en)

APPARATUS AND METHOD FOR SIFTING FEEDSTOCK INCLUDING GRINDING MILL

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SICHTEN VON AUFGABEGUT UND MAHLANLAGE

Title (fr)

DISPOSITIF ET PROCÉDÉ DE SÉPARATION D'UNE MATIÈRE D'ALIMENTATION ET L'INSTALLATION DE BROyage

Publication

EP 2142312 A2 20100113 (DE)

Application

EP 08750058 A 20080505

Priority

- EP 200805501 W 20080505
- DE 102007021545 A 20070508

Abstract (en)

[origin: WO2008135558A2] The invention relates to an apparatus for sifting feedstock, comprising: a. a static sifter that has a ventilated bottom which is oriented at an angle to the vertical and is penetrated by sifting gas; b. an inlet for feeding the feedstock to the ventilated bottom; c. an outlet for the coarse material; d. a dynamic sifter that is mounted downstream and encompasses at least one rotor with rotor blades and a horizontal rotor axis; e. at least one outlet for the sifting gas loaded with fine material; and f. a housing inside which the static and the dynamic sifter are arranged. The housing area surrounding the dynamic sifter is designed as a housing spiral such that the sifting gas flows against the rotor in a substantially tangential direction. The rotor rotates counter to the direction of flow of the sifting gas in the housing spiral.

IPC 8 full level

B07B 4/02 (2006.01); **B07B 4/08** (2006.01); **B07B 7/083** (2006.01); **B07B 9/02** (2006.01)

CPC (source: EP US)

B07B 4/02 (2013.01 - EP US); **B07B 4/08** (2013.01 - EP US); **B07B 7/083** (2013.01 - EP US); **B07B 9/02** (2013.01 - EP US)

Citation (search report)

See references of WO 2008135558A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008135558 A2 20081113; **WO 2008135558 A3 20081231**; AT E553855 T1 20120515; BR PI0809019 A2 20140923; BR PI0809019 A8 20150428; CA 2680393 A1 20081113; CA 2680393 C 20140812; CN 101652191 A 20100217; CN 101652191 B 20120926; DE 102007021545 A1 20081127; DE 102007021545 B4 20110728; DK 2142312 T3 20120723; EP 2142312 A2 20100113; EP 2142312 B1 20120418; ES 2383048 T3 20120615; MX 2009010266 A 20091012; US 2010116720 A1 20100513; US 8430246 B2 20130430

DOCDB simple family (application)

EP 200805501 W 20080505; AT 08750058 T 20080505; BR PI0809019 A 20080505; CA 2680393 A 20080505; CN 200880010779 A 20080505; DE 102007021545 A 20070508; DK 08750058 T 20080505; EP 08750058 A 20080505; ES 08750058 T 20080505; MX 2009010266 A 20080505; US 59820708 A 20080505