

Title (en)
DEVICE FOR GRINDING DISPENSED PRODUCTS WITH PRIOR SCREENING

Title (de)
VORRICHTUNG ZUM ZERKLEINERN VON AUFGABEGUT MIT VORGESCHALTETER SICHTUNG

Title (fr)
DISPOSITIF DE BROYAGE DE MATERIAUX DE CHARGEMENT AVEC TRI PREALABLE

Publication
EP 2992960 B1 20240117 (DE)

Application
EP 15020150 A 20150902

Priority
DE 102014112599 A 20140902

Abstract (en)
[origin: CA2902531A1] The invention relates to a device for the comminution of free-flowing feed material, with a housing (2) enclosing a comminution chamber (5) which contains a rotor (11) which rotates around an axis (4), and which features comminution tools (18) over its circumference. With a feeding device (30), the feed material is transported to the comminution chamber (5) in form of a gas-solid matter mixture, whereat the feeding device (30) features a pneumatic sieve passage (35) which uses the effect of gravity for removal of foreign particles from the feed material. In order to operate both the sieve passage (35) and the device (1) under optimal process parameters, the device (1) features at least one inlet port (25, 39) for the supply of secondary air, whereat the at least one inlet port (25, 39) flows into the gas-solid matter mixture downstream of the sieve passage (35).

IPC 8 full level
B02C 13/288 (2006.01); **B02C 13/10** (2006.01); **B02C 23/02** (2006.01); **B02C 23/08** (2006.01)

CPC (source: EP US)
B02C 13/10 (2013.01 - EP US); **B02C 13/286** (2013.01 - US); **B02C 13/288** (2013.01 - EP US); **B02C 18/2225** (2013.01 - US); **B02C 23/02** (2013.01 - EP US); **B02C 23/08** (2013.01 - EP US); **B02C 23/24** (2013.01 - US); **B02C 23/40** (2013.01 - US); **B02C 2013/28618** (2013.01 - US)

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 2992960 A1 20160309; **EP 2992960 B1 20240117**; **EP 2992960 C0 20240117**; CA 2902531 A1 20160302; CA 2902531 C 20190115; DE 102014112599 A1 20160303; ES 2974802 T3 20240701; PL 2992960 T3 20240513; RS 65410 B1 20240531; US 10722897 B2 20200728; US 2016059239 A1 20160303

DOCDB simple family (application)
EP 15020150 A 20150902; CA 2902531 A 20150831; DE 102014112599 A 20140902; ES 15020150 T 20150902; PL 15020150 T 20150902; RS P20240421 A 20150902; US 201514843478 A 20150902