

Title (en)

METHOD FOR OPERATING A MULTICYCLONE FOR SEPARATING FINE AND MICRO GRAIN AND MULTICYCLONE

Title (de)

VERFAHREN ZUM BETRIEB EINES MULTIZYKLONS ZUM TRENNEN VON FEIN- UND FEINSTKORN SOWIE MULTIZYKLON

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UN MULTICYCLONE POUR LA SÉPARATION DE GRAINS FINS ET ULTRAFINS AINSI QUE MULTICYCLONES

Publication

EP 3292912 B1 20191225 (DE)

Application

EP 16188007 A 20160909

Priority

EP 16188007 A 20160909

Abstract (en)

[origin: CA3007583A1] The invention relates to a multi-cyclone and to a method for operating such a multi-cyclone for separating fine material and very fine material. In this context, a multi-cyclone according to the invention has multiple individual cyclones which are of essentially identical construction and which are housed in a housing that has an upper and a lower chamber. Via a supply into the lower chamber it is possible to introduce in a targeted manner cyclone regulating air which can be used to set the quantity, the fineness and/or the purity of the material separated by means of the multi-cyclone.

IPC 8 full level

B02C 15/00 (2006.01); **B02C 23/14** (2006.01); **B04C 5/12** (2006.01); **B04C 5/14** (2006.01); **B04C 5/185** (2006.01); **B04C 5/28** (2006.01); **B04C 9/00** (2006.01); **B04C 11/00** (2006.01)

CPC (source: EA EP US)

B02C 15/007 (2013.01 - EA EP US); **B02C 23/14** (2013.01 - EA EP US); **B02C 23/18** (2013.01 - US); **B02C 23/26** (2013.01 - US); **B02C 23/30** (2013.01 - US); **B02C 23/32** (2013.01 - US); **B04C 5/12** (2013.01 - EA EP US); **B04C 5/14** (2013.01 - EA EP US); **B04C 5/185** (2013.01 - EA EP US); **B04C 5/28** (2013.01 - EA EP US); **B04C 11/00** (2013.01 - EA EP US); **B02C 2015/002** (2013.01 - EA EP US); **B04C 2009/002** (2013.01 - EA EP US)

Cited by

US2022401968A1; US2020149247A1; US11560689B2; US11499290B2; US11905677B2

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 3292912 A1 20180314; **EP 3292912 B1 20191225**; CA 3007583 A1 20180315; CN 109641217 A 20190416; CN 109641217 B 20210528; EA 034688 B1 20200306; EA 201800353 A1 20181130; JP 2019531178 A 20191031; JP 6934871 B2 20210915; SG 11201804823R A 20180730; US 10926270 B2 20210223; US 2019015840 A1 20190117; WO 2018046640 A1 20180315

DOCDB simple family (application)

EP 16188007 A 20160909; CA 3007583 A 20170908; CN 201780008607 A 20170908; EA 201800353 A 20170908; EP 2017072546 W 20170908; JP 2018531546 A 20170908; SG 11201804823R A 20170908; US 201716067373 A 20170908