

Title (en)

ROTOR, GRINDING MACHINE, AIR EXTRACTION CLADDING AND GRINDING ELEMENT FOR A GRINDING MACHINE

Title (de)

ROTOR, SCHLEIFMASCHINE, LUFTABSAUGUMMANTELUNG UND SCHLEIFELEMENT FÜR EINE SCHLEIFMASCHINE

Title (fr)

ROTOR, AFFUTEUSE, GAINÉ D'ASPIRATION D'AIR ET ÉLÉMENT ABRASIF POUR UNE AFFUTEUSE

Publication

EP 3383540 B1 20201028 (DE)

Application

EP 16805445 A 20161202

Priority

- EP 15198064 A 20151204
- EP 2016079638 W 20161202

Abstract (en)

[origin: WO2017093513A1] The invention relates to a rotor (1) for a grinding machine (2) for the foodstuffs and feedstock industry, having an external diameter of between 0.5 and 0.6 m, comprising a plurality of substantially cylindrical, in particular hollow cylindrical, grinding elements (3) and one such grinding element (3) having an outer grinding surface (4) substantially in the form of a circular cylinder jacket, wherein the grinding elements (3) are arranged coaxially above one another and in such a way that a substantially annular air gap (5) is produced between the grinding surfaces (4) of two adjacent grinding elements (3), wherein a ratio between an enveloping surface (H) of the rotor (1) and a total grinding surface of the rotor (1) is greater than 1.05 and less than 1.25.

IPC 8 full level

B02B 3/04 (2006.01); **B02B 3/00** (2006.01)

CPC (source: EP KR RU US)

B02B 3/00 (2013.01 - EP RU US); **B02B 3/04** (2013.01 - EP KR RU US); **B02B 5/02** (2013.01 - US); **B02B 7/02** (2013.01 - US); **B02C 7/02** (2013.01 - RU); **B02C 7/08** (2013.01 - RU); **B02C 7/12** (2013.01 - RU); **B02B 1/00** (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)

WO 2017093513 A1 20170608; BR 112018010914 A2 20181121; BR 112018010914 B1 20211005; CN 108495714 A 20180904; CN 108495714 B 20210625; EP 3383540 A1 20181010; EP 3383540 B1 20201028; JP 2018537281 A 20181220; JP 6835844 B2 20210224; KR 102147029 B1 20200824; KR 20180089493 A 20180808; RU 2702722 C1 20191009; US 10974249 B2 20210413; US 2019070612 A1 20190307

DOCDB simple family (application)

EP 2016079638 W 20161202; BR 112018010914 A 20161202; CN 201680080096 A 20161202; EP 16805445 A 20161202; JP 2018528793 A 20161202; KR 20187019031 A 20161202; RU 2018122758 A 20161202; US 201615779145 A 20161202