

Title (en)
DISTRIBUTION METERING DEVICE FOR A ROLLER MILL, ROLLER MILL WITH SUCH A DISTRIBUTION METERING DEVICE, METHOD FOR GRINDING GRINDING STOCK, AND ROLLER MILL COMPRISING A SWITCHING CABINET WITH A COOLING SYSTEM

Title (de)
VERTEIL-DOSIERVORRICHTUNG FÜR EINEN WALZENSTUHL, WALZENSTUHL MIT EINER SOLCHEN VERTEIL-DOSIERVORRICHTUNG, VERFAHREN ZUM MAHLEN VON MAHLGUT SOWIE WALZENSTUHL MIT EINEM SCHALTSCHRANK MIT EINER KÜHLUNG

Title (fr)
DISPOSITIF DE DOSAGE ET DE DISTRIBUTION POUR UN MOULIN À CYLINDRES, MOULIN À CYLINDRES COMPRENANT UN TEL DISPOSITIF DE DOSAGE ET DE DISTRIBUTION, PROCÉDÉ POUR LE BROYAGE DE PRODUIT À BROIER AINSI QUE MOULIN À CYLINDRES COMPRENANT UNE ARMOIRE DE COMMANDE COMPRENANT UN REFROIDISSEMENT

Publication
EP 3592464 A1 20200115 (DE)

Application
EP 19725761 A 20190527

Priority
• EP 18174239 A 20180525
• EP 2019063644 W 20190527

Abstract (en)
[origin: CA3101404A1] The invention relates to a distribution metering device (1) for a roller mill, comprising a housing (2) with at least one grinding stock inlet (3), at least one grinding stock outlet (4), a feed roll (5) which is arranged in the housing (2) for metering grinding stock into a grinding gap of the roller mill through the grinding stock outlet (4), said feed roll being rotatable about a feed roll axis (SA), a conveyor shaft (6) which is arranged in the housing (2) for distributing grinding stock along the feed roll (5), said conveyor shaft being rotatable about a conveyor shaft axis (FA), wherein the conveyor shaft axis (FA) is substantially parallel to the feed roll axis (SA), and a first fill state sensor (7) arranged in the housing (2) for ascertaining a first grinding stock fill state of the housing (2). According to the invention, a second fill state sensor (8) arranged in the housing is provided for ascertaining a second grinding stock fill state of the housing (2). The grinding stock inlet (3) and the first fill state sensor (7) are arranged at a first end of the feed roll (5) and the conveyor shaft (6), and the second fill state sensor (8) is arranged at a second end of the feed roll (5) and the conveyor shaft (6).

IPC 8 full level
B02C 4/28 (2006.01); **B02C 23/00** (2006.01); **B02C 25/00** (2006.01)

CPC (source: CN EP KR RU US)
B02C 4/28 (2013.01 - RU); **B02C 4/286** (2013.01 - CN EP KR US); **B02C 23/00** (2013.01 - EP KR RU); **B02C 23/02** (2013.01 - CN); **B02C 25/00** (2013.01 - CN EP KR RU US); **B02C 4/02** (2013.01 - US); **B02C 4/42** (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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3572152 A1 20191127; EP 3572152 B1 20200805; AU 2019272929 A1 20201217; AU 2019272929 B2 20211118; AU 2021261834 A1 20211202; AU 2021261834 B2 20240328; BR 112020023672 A2 20210217; BR 112020023672 B1 20210914; CA 3101404 A1 20191128; CA 3101404 C 20220322; CN 112384301 A 20210219; CN 112384301 B 20220329; CN 114534852 A 20220527; CN 114534852 B 20231201; EP 3592464 A1 20200115; ES 2824761 T3 20210513; JP 2021514835 A 20210617; JP 2022001367 A 20220106; JP 6953642 B2 20211027; JP 7326397 B2 20230815; KR 102320757 B1 20211102; KR 102647490 B1 20240313; KR 20210003296 A 20210111; KR 20210134419 A 20211109; MX 2020012603 A 20211001; MX 2021012001 A 20211104; RU 2755504 C1 20210916; US 11185867 B2 20211130; US 11865547 B2 20240109; US 2021197206 A1 20210701; US 2022072561 A1 20220310; WO 2019224399 A1 20191128

DOCDB simple family (application)
EP 18174239 A 20180525; AU 2019272929 A 20190527; AU 2021261834 A 20211101; BR 112020023672 A 20190527; CA 3101404 A 20190527; CN 201980046037 A 20190527; CN 202210198533 A 20190527; EP 19725761 A 20190527; EP 2019063644 W 20190527; ES 18174239 T 20180525; JP 2020565876 A 20190527; JP 2021159213 A 20210929; KR 20207037065 A 20190527; KR 20217034574 A 20190527; MX 2020012603 A 20190527; MX 2021012001 A 20201123; RU 2020142810 A 20190527; US 201917058412 A 20190527; US 202117528912 A 20211117