

Title (en)
PRODUCTION PLANT AND METHOD

Title (de)
PRODUKTIONSANLAGE UND VERFAHREN

Title (fr)
INSTALLATION DE PRODUCTION ET PROCÉDÉ

Publication
EP 3558503 B1 20210811 (DE)

Application
EP 17818578 A 20171221

Priority
• EP 16206567 A 20161223
• EP 2017084053 W 20171221

Abstract (en)
[origin: WO2018115260A2] The invention relates to a production plant for processing a suspension and to a method for dispersing suspensions. The production plant comprises a planetary roller mixer (1) and an extractor or a planetary roller mixer (1), a conveying device and a metering device. The planetary roller mixer (1) comprises at least one central spindle (2) with toothing (3), at least one planetary spindle (4) with toothing (5) and a housing (6) with inner toothing (7) or a housing comprising at least one bushing (8) with inner toothing (7). The planetary roller mixer (1) further comprises at least one product inlet (9) and at least one product outlet (10), wherein the product outlet (10) is in normal operating conditions arranged above the product inlet (9) and/or comprises an overflow (14) in the product discharge line (13) provided at the product outlet (10), so that in normal operating conditions the processing zone of the planetary roller mixer (1) can be substantially completely filled with the suspension.

IPC 8 full level
B01F 27/75 (2022.01); **B01F 27/94** (2022.01)

CPC (source: EP KR US)
B01F 23/53 (2022.01 - EP KR US); **B01F 25/52** (2022.01 - EP KR US); **B01F 27/0531** (2022.01 - EP KR); **B01F 27/116** (2022.01 - EP KR); **B01F 27/1163** (2022.01 - US); **B01F 27/2721** (2022.01 - US); **B01F 27/755** (2022.01 - EP KR US); **B01F 27/95** (2022.01 - EP KR); **B01F 27/951** (2022.01 - US); **B01F 33/821** (2022.01 - EP KR US); **B01F 35/213** (2022.01 - EP KR); **B01F 35/7174** (2022.01 - EP KR US); **B01F 35/92** (2022.01 - EP KR); **B01F 35/95** (2022.01 - EP KR US); **B01F 35/213** (2022.01 - US); **B01F 2035/98** (2022.01 - EP KR 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 3338881 A1 20180627; CN 110099736 A 20190806; EP 3558503 A2 20191030; EP 3558503 B1 20210811; KR 20190095953 A 20190816; US 2019381467 A1 20191219; WO 2018115260 A2 20180628; WO 2018115260 A3 20180816

DOCDB simple family (application)
EP 16206567 A 20161223; CN 201780080123 A 20171221; EP 17818578 A 20171221; EP 2017084053 W 20171221; KR 20197021533 A 20171221; US 201716471662 A 20171221