

Title (en)
DEVICE FOR MANIPULATING PARTICLES

Title (de)
VORRICHTUNG ZUR MANIPULATION VON PARTIKELN

Title (fr)
DISPOSITIF POUR MANIPULER DES PARTICULES

Publication
EP 3774293 A1 20210217 (FR)

Application
EP 19711924 A 20190322

Priority
• BE 201805209 A 20180328
• EP 2019057202 W 20190322

Abstract (en)
[origin: WO2019185466A1] The present application relates to a device (1) for manipulating particles. The device (1) comprises a rotating screen (10) on which a structure (30) of particiles can be formed. According to a first aspect, the device (1) comprises at least one scraper (86, 87) and at least one support element (88, 89) which supports the screen (10) at the scraper (86, 87). According to a second aspect, the device (1) comprises a particle reservoir (80) and a blower which is located inside the screen and under the reservoir (80) and which blows a gas in order to fluidise the particles present in the reservoir (80).

IPC 8 full level
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CPC (source: EP US)
B22F 3/004 (2013.01 - EP); **B22F 10/28** (2021.01 - EP US); **B22F 12/63** (2021.01 - EP US); **B29C 41/12** (2013.01 - US); **B29C 64/153** (2017.07 - US); **B29C 64/205** (2017.07 - EP US); **B29C 64/214** (2017.07 - US); **B29C 64/321** (2017.07 - EP US); **B29C 64/364** (2017.07 - US); **B33Y 30/00** (2014.12 - EP); **B33Y 40/00** (2014.12 - EP US); **B22F 12/70** (2021.01 - EP US); **B29C 41/12** (2013.01 - EP); **B33Y 30/00** (2014.12 - US); **Y02P 10/25** (2015.11 - EP)

Citation (search report)
See references of WO 2019185466A1

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)
WO 2019185466 A1 20191003; BE 1026143 A1 20191022; BE 1026143 B1 20191028; EP 3774293 A1 20210217; US 11273599 B2 20220315; US 2021114296 A1 20210422

DOCDB simple family (application)
EP 2019057202 W 20190322; BE 201805209 A 20180328; EP 19711924 A 20190322; US 201917041729 A 20190322