

Title (en)
ARRANGEMENT OF 3D PRINTING DEVICE

Title (de)
ANORDNUNG EINER 3D-DRUCKVORRICHTUNG

Title (fr)
ENSEMBLE D'UN DISPOSITIF D'IMPRESSION 3D

Publication
EP 3986701 A1 20220427 (DE)

Application
EP 20739251 A 20200623

Priority
• DE 102019004342 A 20190623
• DE 2020000140 W 20200623

Abstract (en)
[origin: WO2020259731A1] The invention relates to an arrangement for the layer-by-layer formation of mouldings from a particulate material, comprising at least one process unit (1.5, 5.2, 6.2) which can be guided to and installed in the arrangement, preferably automatically, and which comprises a printing unit (2.6, 3.6, 7.6) and a coating system (2. 2, 3.2, 7.2) with a dynamic filling system; or/and a receiving device for a building container; a preferably automatic feeder for the building container (1.3); and an adjustment device for offline preparation of the process unit.

IPC 8 full level
B29C 64/165 (2017.01); **B22F 3/105** (2006.01); **B29C 64/25** (2017.01); **B29C 64/393** (2017.01); **B33Y 30/00** (2015.01); **B33Y 40/00** (2020.01); **B33Y 50/02** (2015.01)

CPC (source: CN EP US)
B22F 10/85 (2021.01 - US); **B22F 12/50** (2021.01 - US); **B22F 12/90** (2021.01 - CN EP US); **B28B 1/001** (2013.01 - CN US); **B28B 17/0081** (2013.01 - US); **B29C 64/165** (2017.07 - CN EP US); **B29C 64/20** (2017.07 - CN); **B29C 64/321** (2017.07 - US); **B29C 64/393** (2017.07 - CN EP US); **B33Y 30/00** (2014.12 - CN EP US); **B33Y 40/00** (2014.12 - EP US); **B33Y 50/02** (2014.12 - CN EP US); **B22F 10/28** (2021.01 - CN EP US); **B22F 12/52** (2021.01 - CN EP US); **B22F 12/53** (2021.01 - CN EP US); **B22F 12/67** (2021.01 - CN EP US); **Y02P 10/25** (2015.11 - EP)

Citation (search report)
See references of WO 2020259731A1

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)
DE 102019004342 A1 20201224; CN 114126839 A 20220301; EP 3986701 A1 20220427; US 2022388247 A1 20221208; WO 2020259731 A1 20201230

DOCDB simple family (application)
DE 102019004342 A 20190623; CN 202080045945 A 20200623; DE 2020000140 W 20200623; EP 20739251 A 20200623; US 202017618297 A 20200623