

Title (en)

APPARATUS AND METHOD FOR PRODUCING THREE-DIMENSIONAL OBJECTS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERZEUGUNG DREIDIMENSIONALER GEGENSTÄNDE

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR LA FABRICATION D'OBJETS TRIDIMENSIONNELS

Publication

EP 3807075 A1 20210421 (DE)

Application

EP 19729277 A 20190606

Priority

- DE 102018114008 A 20180612
- EP 2019064848 W 20190606

Abstract (en)

[origin: WO2019238533A1] An apparatus (1) for producing three-dimensional objects (2) from a deformable material (4) has the following features: a housing (3) that has a chamber (21) for receiving the deformable material (4); a feed device (5) for feeding the deformable material (4) into the chamber (21) of the housing (3); a first discharge opening (7) for discharging the deformable material (4) from the chamber (21) of the housing (3); a first closing device (8) for selectively closing and opening the first discharge opening (7), said device having a cavity (22) connected via at least one connecting bore (23) to the chamber (21) of the housing (3); a second discharge opening (11), which has a smaller cross-section than the first discharge opening (7), for discharging the deformable material (4) from the cavity (22) of the first closing device (8); and a second closing device (24) for selectively closing and opening the connecting bore (23).

IPC 8 full level

B29C 64/106 (2017.01); **B29C 64/00** (2017.01); **B29C 64/209** (2017.01); **B33Y 10/00** (2015.01); **B33Y 30/00** (2015.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2019238533A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

DE 102018114008 A1 20191212; CN 112292252 A 20210129; CN 117183328 A 20231208; EP 3807075 A1 20210421; EP 4353447 A1 20240417; US 2021178676 A1 20210617; US 2024033991 A1 20240201; WO 2019238533 A1 20191219

DOCDB simple family (application)

DE 102018114008 A 20180612; CN 201980038540 A 20190606; CN 202311375284 A 20190606; EP 19729277 A 20190606; EP 2019064848 W 20190606; EP 23208038 A 20190606; US 201916973853 A 20190606; US 202318379970 A 20231013