

Title (en)

DEVICE AND METHOD FOR REMOVING AUXILIARY MATERIAL OF 3D-PRINTED WORKPIECES

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ENTFERNEN VON HILFSMATERIAL 3D-GEDRUCKTER WERKSTÜCKE

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR RETIRER UN MATÉRIAU AUXILIAIRE DE PIÈCES IMPRIMÉES EN 3D

Publication

**EP 4313555 A1 20240207 (DE)**

Application

**EP 22715337 A 20220322**

Priority

- AT 501972021 A 20210323
- AT 501982021 A 20210323
- AT 509052021 A 20211112
- AT 509062021 A 20211112
- AT 2022060086 W 20220322

Abstract (en)

[origin: WO2022198252A1] The invention relates to a method and a device for removing auxiliary material of 3D-printed workpieces (1), in particular for removing supporting material which is soluble in a dissolving liquid (3), wherein a drum (8) for receiving at least one workpiece (1) is provided, the drum (8) being at least partially filled with the dissolving liquid (3) for dissolving the auxiliary material, wherein the dissolving liquid (3) is suitable for and/or configured to dissolve the auxiliary material, and wherein a rotary drive (7) is provided, which sets the drum (8) in rotation for dissolving the auxiliary material.

IPC 8 full level

**B29C 64/35** (2017.01); **B08B 3/00** (2006.01); **B22F 10/00** (2021.01); **B22F 12/00** (2021.01); **B29C 64/393** (2017.01); **B29C 64/40** (2017.01); **B33Y 40/20** (2020.01); **B33Y 50/02** (2015.01)

CPC (source: EP)

**B08B 3/06** (2013.01); **B29C 64/35** (2017.08); **B29C 64/393** (2017.08); **B29C 64/40** (2017.08); **B33Y 40/20** (2020.01); **B33Y 50/02** (2014.12); **B22F 10/40** (2021.01); **B22F 10/68** (2021.01)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2022198252 A1 20220929**; EP 4313554 A1 20240207; EP 4313555 A1 20240207; WO 2022198253 A1 20220929

DOCDB simple family (application)

**AT 2022060085 W 20220322**; AT 2022060086 W 20220322; EP 22715336 A 20220322; EP 22715337 A 20220322