

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 April 2022 (07.04.2022)



(10) International Publication Number
WO 2022/070002 A1

(51) International Patent Classification:

B29C 64/135 (2017.01) *B33Y 70/00* (2015.01)
B29C 64/209 (2017.01) *C08K 7/02* (2006.01)
B29C 64/245 (2017.01) *B29K 33/04* (2006.01)
B33Y 10/00 (2015.01)

(21) International Application Number:

PCT/IB2021/058613

(22) International Filing Date:

21 September 2021 (21.09.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/086,829 02 October 2020 (02.10.2020) US
17/247,115 30 November 2020 (30.11.2020) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

(54) Title: VAT-BASED ADDITIVE MANUFACTURING WITH DISPENSED MATERIAL

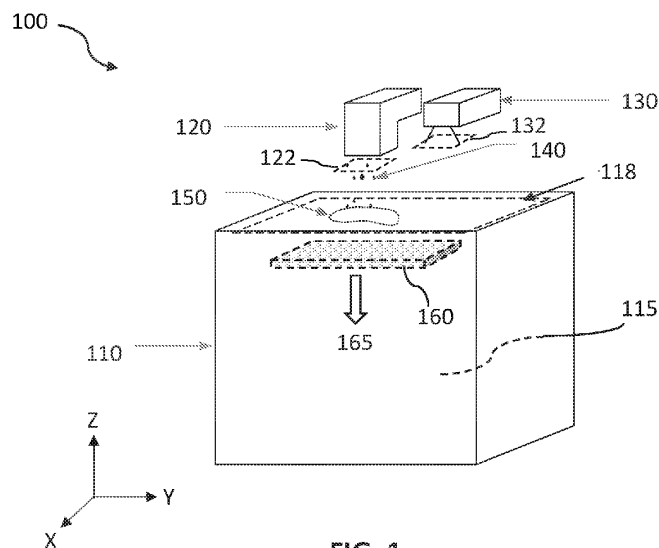


FIG. 1

(57) Abstract: Methods of creating additive manufactured parts include providing a first composition in a vat, where the first composition is a liquid with a first viscosity. A build platform is placed adjacent to and submerged under a top surface of the first composition. A second composition is dispensed on the top surface, the second composition having a second viscosity and being dispensed in a shape area according to a part to be created. The top surface is illuminated to expose the first composition and second composition to light having a polymerization wavelength, thereby causing polymerization of at least one of the first composition or second composition. In some embodiments, the first composition is a base resin that is absent of a photoinitiator, and the second composition is a photoinitiator solution. The photoinitiator solution may have a second viscosity that is less than the first viscosity of the base resin.

[Continued on next page]

AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE