

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
27 April 2023 (27.04.2023)



(10) International Publication Number
WO 2023/069019 A3

(51) International Patent Classification:

B29C 64/393 (2017.01) *B33Y 50/02* (2015.01)
B29C 64/118 (2017.01) *B33Y 10/00* (2015.01)

(21) International Application Number:

PCT/SG2022/050741

(22) International Filing Date:

18 October 2022 (18.10.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10202111559S 18 October 2021 (18.10.2021) SG

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(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS,

(54) Title: METHOD AND SYSTEM FOR FABRICATING A POROUS STRUCTURE BASED ON EXTRUSION-BASED ADDITIVE MANUFACTURING, AND POROUS STRUCTURE THEREOF

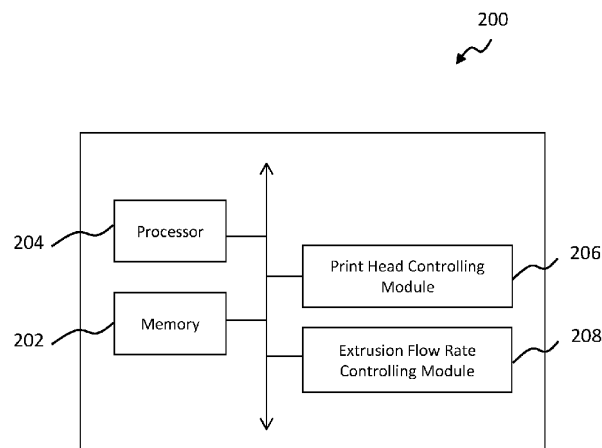


FIG. 2

(57) Abstract: A method of fabricating a porous structure based on extrusion-based additive manufacturing is provided. The method includes: controlling a print head of an extruder to move along a print path for extruding a material along the print path on a print bed for fabricating the porous structure; and controlling an extrusion flow rate of the extruder, while the print head is being controlled to move along the print path for extruding the material, for forming a plurality of pores of the porous structure. In particular, for each pore of the plurality of pores, the above-mentioned controlling the extrusion flow rate includes adjusting the extrusion flow rate with respect to a first section of the print path to form a first extruded material portion along the first section of the print path and adjusting the extrusion flow rate with respect to a second section of the print path to form a second extruded material portion along the second

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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, CV, 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, ME, 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))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:

15 June 2023 (15.06.2023)

section of the print path, the second extruded material portion formed being adjacent to and opposing the first extruded material portion formed, such that a space is formed therebetween constituting the pore. A corresponding system for fabricating a porous structure is also provided, as well as the porous structure fabricated.