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

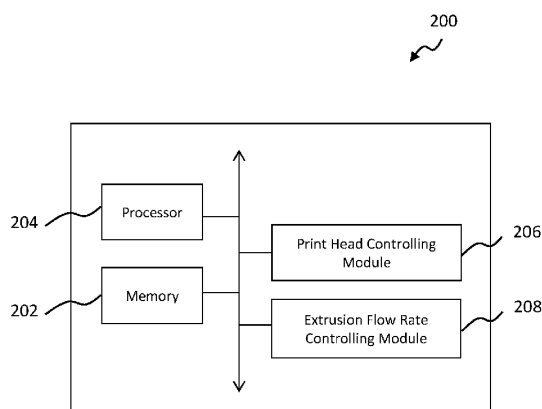


FIG. 2

(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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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.