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(54) **Title:** MANUFACTURING FOOD USING 3D PRINTING TECHNOLOGY

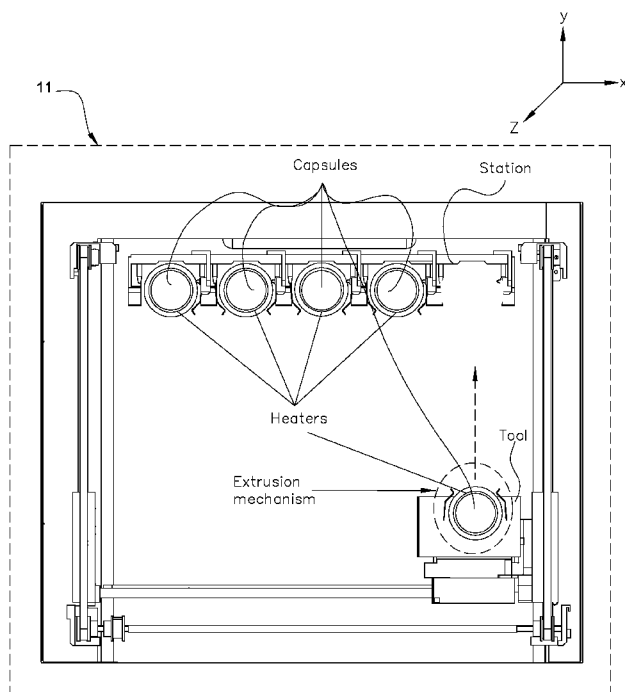


FIG. 1A

(57) **Abstract:** A 3D printer system that uses the AM method to print a product using a plurality of materials, each of which is contained in a respective capsule. The capsules are removably inserted into respective capsule holders, each of which includes a heating device for adjusting the temperature of the material, and is releasably held in one of a plurality of stations. A tool fetches individual capsules from and deposits them to their stations, and holds individual capsules for printing the product using a telescopic extrusion apparatus. A memory stores capsule-identifying data, a processor provides position coordinates for positioning of the tool, and a controller moves the tool to the position coordinates. The capsule holders include heating systems for controlling the rheological behavior of the materials based on algorithms executed by the processor.



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