Additive Manufacturing in Gel-Supported Environment

Abstract

Described are methods for making three dimensional objects. A nozzle (150) is positioned within a gel (170) inside a container of gel (160). The position of the nozzle within the gel is changed while depositing solidifying material through the nozzle. The gel supports the solidifying material at the position at which the solidifying material is deposited. The solidifying material is solidified to form a solid material, which is a three-dimensional object (180c).

Figure 6