

THREE-DIMENSIONAL PRINTING APPARATUS AND PRINTING METHOD THEREOF

ABSTRACT OF THE DISCLOSURE

5 A three-dimensional printing apparatus suitable for fabricating a three-dimensional object from a model of the three-dimensional object is provided. The three-dimensional printing apparatus includes a rotary base and a printing head. The rotary base has a carrying surface and is configured to rotate about a first axis and shift along the first axis. The printing head is disposed above the rotary base and
10 configured to shift along a second axis perpendicular to the first axis for dispensing successive layers of building material onto the carrying surface. The successive layers of building material form the three-dimensional object. The shape of each layer of the building material is decided by the rotation of the rotary base about the first axis, the shifting of the rotary base along the first axis and the shifting of the printing head along
15 the second axis. A printing method for the three-dimensional printing apparatus is also provided.

FIG. 1