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(54) **PRINTING ASSEMBLY AND 3D PRINTING APPARATUS**

(57) A printing assembly and a 3D printing device are provided, wherein the 3D printing device includes the printing assembly. The printing assembly includes symmetrically arranged material-dropping guide rails, multiple printing guide rails, multiple material-dropping mechanisms and multiple printing mechanisms. The multiple printing guide rails and the multiple material-dropping mechanisms are arranged between two symmetrically arranged material-dropping guide rails. At least one printing guide rail is slidably provided with one printing mechanism.

The printing assembly and the 3D printing device can realize synchronous reciprocating movement of the material-dropping mechanisms and the printing mechanisms along the material-dropping guide rails, so that continuous printing can be realized, so as to effectively improve the printing efficiency and greatly save the space occupied by the device.

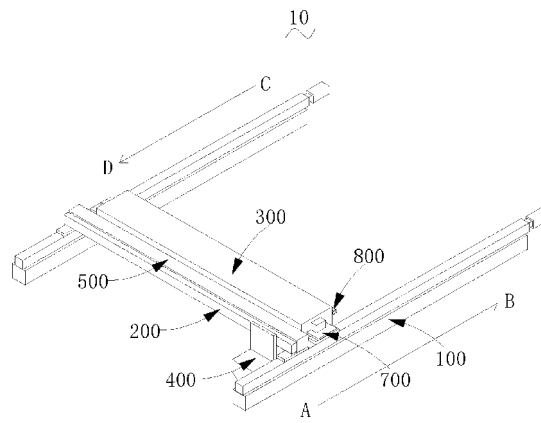


Figure 1