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(54) Title: SYSTEM AND METHOD FOR FABRICATION OF A THREE-DIMENSIONAL EDIBLE PRODUCT

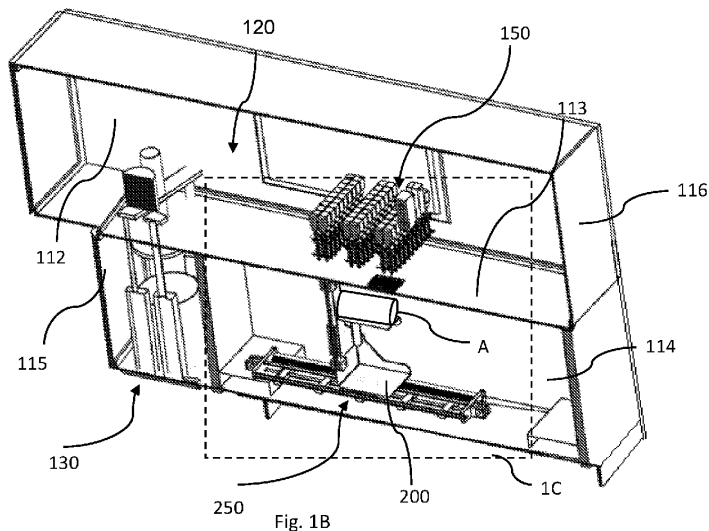


Fig. 1B

(57) Abstract: The present disclosure provides a system (100) and method for fabrication of a three-dimensional edible product having two or more edible components. The system comprises a processor configured to receive an edible product design having pattern coordinates, and to provide pattern address signals, a printing mechanism (120) having a printing head (150) with two or more sets of a plurality of discrete applicators, each one of the two or more sets is configured to receive and dispense a different edible component, each of said discrete applicators being configured to receive and selectively dispense, its corresponding edible component onto a printing support bed (200) in accordance with said pattern address signals, and a driving mechanism (250) configurable to control the position of said printing head with respect to a printing support bed. The method comprises: providing a printing support bed by which said edible product is supported while being fabricated, providing a printing mechanism having a printing head with two or more sets of a plurality

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of discrete applicators where each one of the two or more sets is configured to receive and dispense a different edible component, dispensing, a plurality of strands of two or more different edible compositions provided to said printing mechanism onto said printing support bed, each strand being dispensed by a different set of the two or more sets in accordance with the pattern address signals, so as to form a product layer; and operating a driving mechanism in accordance with said pattern address signals for controlling the position of said printing head with respect to said printing support bed so as to fabricate said product by depositing successive product layers on top of each other.