

(54) Title of the invention : MULTI-COMPARTMENT TEMPERATURE-CONTROLLED FOOD PLATE

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(57) Abstract :
 A multi-compartment temperature-controlled food plate 100 comprising a housing 102. Housing 102 comprises one or more compartments 104 and each of the compartments is configured to store food items. A plurality of lids 116 is configured to cover and uncover the respective compartment and prevent spillage of stored food items. A plurality knobs 118 comprises a user interface 120 to control the temperature of each of the compartments. A temperature-controlling unit 110 operatively coupled to the plurality of compartments 104 and configured to perform any or a combination of cooling and heating of the stored food items. A plurality sensor 106 is configured to measure the temperature of the stored food items in each of the compartments 104. Microcontroller 126 is configured to monitor the heating and cooling of the plurality of compartments 104. A mobile device 302 enables a user to control the heating and cooling of the food.

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