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(54) Title: FREEZING, DRYING AND/OR FREEZE-DRYING OF PRODUCT DOSE UNITS

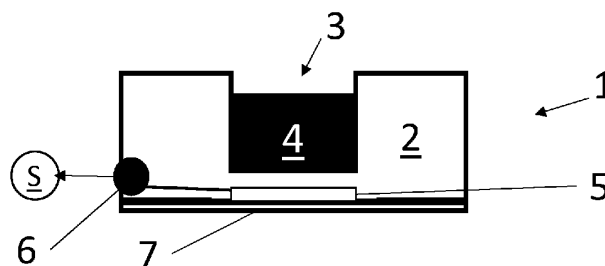


FIG 1

(57) Abstract: The invention relates to a device (1) for holding and monitoring a predetermined dose (4) of a product during a freezing, drying and/ or lyophilization process. The device comprises a mold (2) having a receptacle part (3) for containing the predetermined dose (4) of the product in direct contact with the receptacle part, a sensor (5), contacting the mold or integrated in the mold, for measuring a physical characteristic and/or quantity, and a transmitter (6) for transmitting the measured characteristic and/or quantity in the form of a sensor signal to a control unit for controlling a heating and/or cooling element (8,12,13), integrated in the device, for heating and/ or cooling a predetermined dose (4) of product during a freezing, drying and/or lyophilization process, in said lyophilization process. The invention relates in further aspects to a system and a method.



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