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(54) Title: CRYOBAG THAWING METHODS

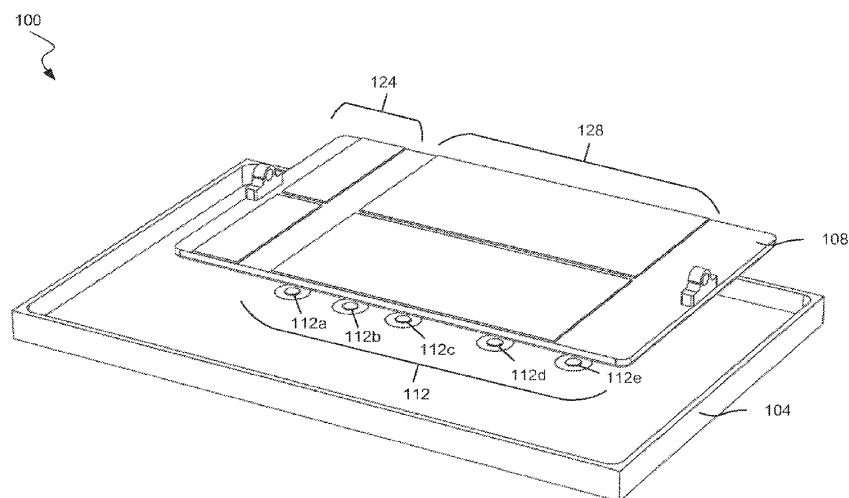


FIG. 1A

(57) Abstract: A consistent and repeatable thawing method of frozen samples in a bag-format storage vessel is described herein. Methods and systems may allow for multiple bag-format storage vessel sizes to be used in the same device. A subset of a plurality of sensors may be qualified for the thawing method. The method may further include heating a frozen sample using a first heater bank and a second heater bank. In addition, the method may include measuring a plurality of second temperatures of the bag-format vessel. At or slightly after a second threshold temperature, the method may include heating using the first heater bank and terminating heating using the second heater bank. The method may include terminating the heating of the partially thawed sample using the first heater bank after the partially thawed sample has been heated using the first heater bank for a duration.

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