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(54) Title: FLOW CELLS AND METHODS RELATED TO SAME

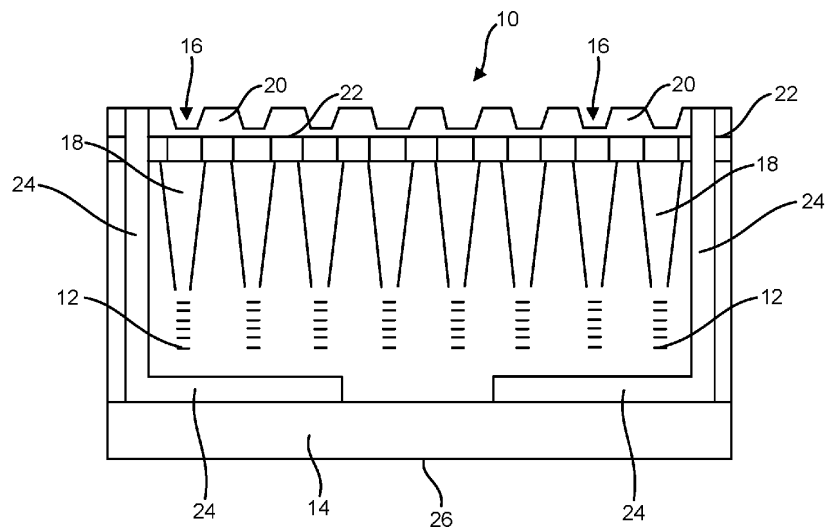


FIG. 1

(57) Abstract: Flow cells and corresponding methods are provided. The flow cells may include a support frame with top and back sides, and at least one cavity extending from the top side. The flow cells may include at least one light detection device with an active area disposed within the at least one cavity. The flow cells may include a support material disposed within the at least one cavity between the support frame and the periphery of the at least one light detection device coupling them together. The flow cells may include a lid extending over the at least one light detection device and coupled to the support frame about the periphery of the at least one light detection device. The lid and at least a top surface of the at least one light detection device form a flow channel therebetween.

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