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(54) **Title:** FLOW STOP INSERT APPARATUS AND METHODS

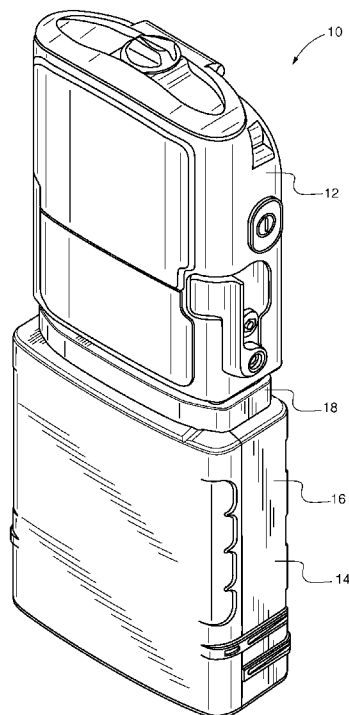


Fig. 1

(57) **Abstract:** An embodiment is directed to pressure plate for attachment to an infusion pump, where the pressure plate includes a tubing support surface at least partially surrounded by a raised perimeter support. The pressure plate includes a plurality of guide structures extending from the raised perimeter support that define a passageway for an infusion pump tube. Additionally an attachable flow stop assembly is included that includes an attachable occlusion arch and an attachable flow stop arm. The attachable occlusion arch includes a plurality of tab structures that couple to the raised perimeter support. The occlusion arch further includes an aperture configured to surround an infusion pump tube threaded therethrough. The attachable flow stop arm is operatively coupled to the raised perimeter support adjacent the attachable occlusion arch in a spring-biased fashion such that the aperture in the occlusion arch may be selectively occluded by the flow stop arm.



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