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(54) **Title: OSTOMY SYSTEMS AND METHODS**

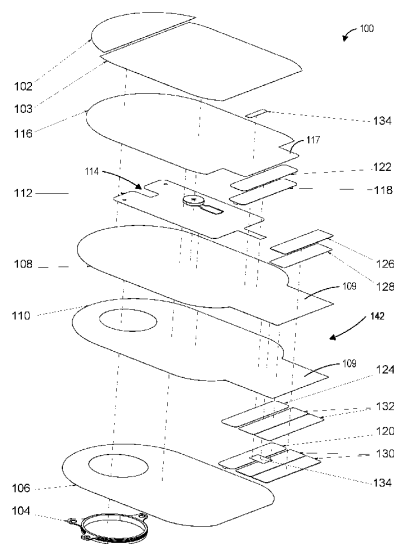


FIG. 1

(57) **Abstract:** A maintenance bag of an ostomy system can include fewer sensors than a diagnostic or analytic ostomy bag that is typically used for newer users. The maintenance bag can include sensors and electronics to detect fill level of the bag. The maintenance bag can also include a bag sealing mechanism that can detect drainage events and aid the user to track inventory of the bags. A wafer that can be used with an ostomy bag can include leak sensors configured to detect leak of effluent. The wafer can also include temperature sensors configured to detect inflammation. The wafer can further include a convex interface for better fit with certain users.

WO 2022/082215 A1

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