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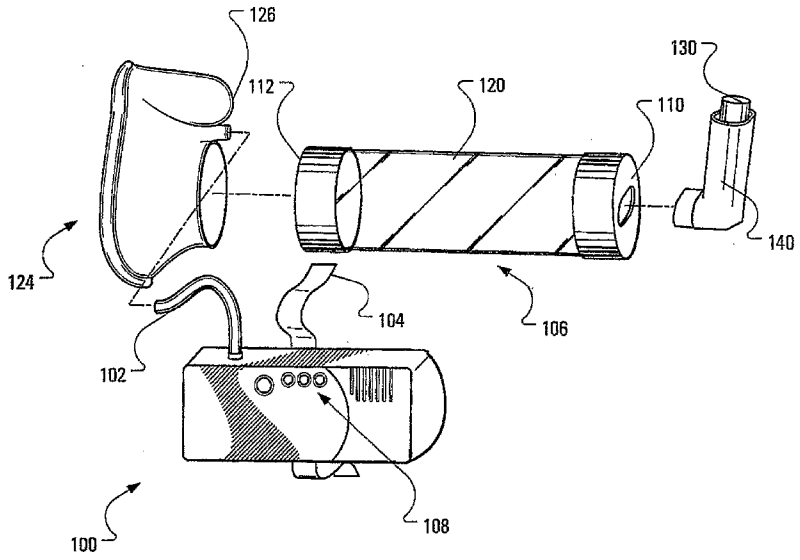
— *of inventorship (Rule 4.17(iv))*

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[Continued on next page]

(54) **Title:** DATA LOGGER FOR MONITORING ASTHMATIC CONDITIONS



(57) **Abstract:** An apparatus for monitoring asthmatic conditions takes the form of a data logger for attaching to a spacer. The spacer has a chamber with an input end and an output end and defining an interior space wherein the input end receives a medication discharge from a discharge orifice of a canister of medication into the interior space and wherein the medication can be withdrawn from the interior space by inhalation by a patient from the output end. The data logger is mounted to the spacer and may include such sensors as pressure transducers and accelerometers. The sensors may be arranged to measure various aspects of the environment of the spacer, such as a pressure change induced by the inhalation of the medicine from the chamber. A memory may also be included for recording the measurements for later transfer to another device for processing and analysis.

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