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(54) Title: AN APPARATUS AND METHOD FOR COLLECTING ANESTHETIC GASES AND A METHOD FOR PRODUCING A REVERSIBLE ADSORBENT

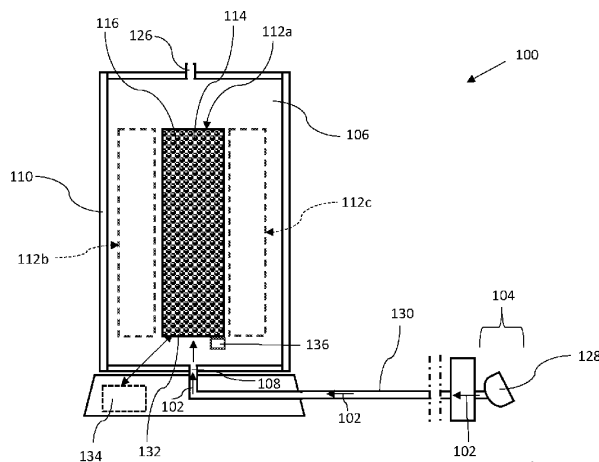


Fig. 1

(57) Abstract: An apparatus (100) for collecting one or more anesthetic gases in a gas stream (102) derived from exhalation air from a patient and captured by a mask arrangement (104). The apparatus (100) comprises a chamber (106) comprising an inlet (108) connectable to a mask arrangement (104) for capturing a gas stream (102) derived from exhalation air from a patient. The chamber (106) is configured to receive the gas stream (102) via the inlet (108). The chamber (106) houses one or more adsorption units (112a-c) comprising one or more reversible adsorbents (114) for adsorption of one or more anesthetic gases. The reversible adsorbent (114) comprises one or more molecular sieves (116) impregnated with a metal-containing compound. A method (200) for collecting one or more anesthetic gases in such a gas stream (102). A method (300) for producing a reversible adsorbent (114).

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WO 2025/080182 A3

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