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(57) Abstract :

ANTIMICROBIAL SUFFOCATION-FREE BREATHING MASK Disclosed is an indoor face mask for antimicrobial suffocation free breathing 100. The mask 100 includes a suffocation management system (SMS) 304, a UVC chamber 324, a logic unit 156, a first micro circuit 144, a second micro circuit 164, an indicator 116, and a buzzer 152. The SMS is configured for controlling the oxygen level in an air duct 310 for suffocation free breathing. The logic unit 156 receives inputs form a plurality of sensors thereby selectively activates a pair of actuators 146 upon detection of human motion in the vicinity of the mask 100. The indicator 116 and buzzer 152 are positioned on a first PCB 254. The indicator 116 is configured to emit visible light indicating sufficient power supply to the first circuit 142. The buzzer 152 is selectively activated thereby indicates low power of the battery 138 in accordance with the UVC light intensity threshold limit. (FIG. 1 For Publication)

