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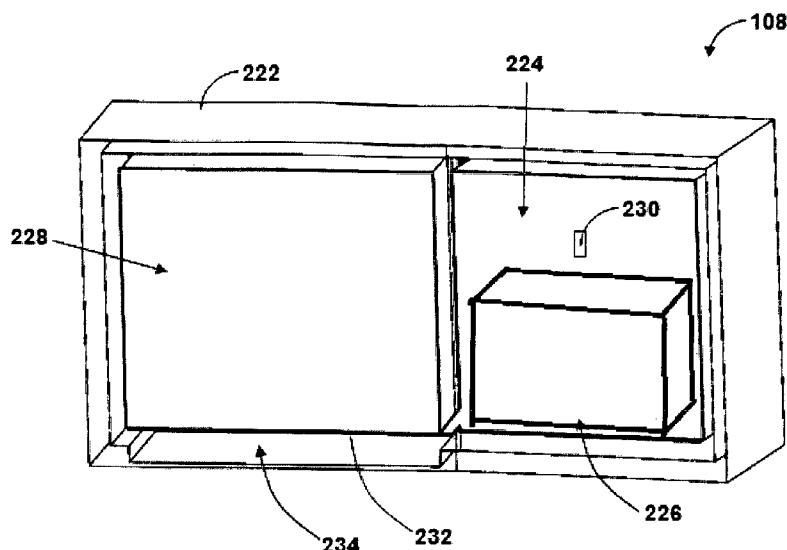


FIG. 5

(57) Abstract: An active venting system for venting air from devices covering mouth and nose, said active venting system comprises: a power source; a blower coupled to the power source; and an electronic device or a printed circuit board coupled to the blower, wherein the blower is turned on or off by the electronic device or printed circuit board to vent exhaled or dead air from the respirator body. Also, provided are respiratory devices comprising the active venting system.