

Title: An Automatic Breathing Support Device for Preventing Mixing of Gases

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Abstract:

An automatic breathing support device 100 for preventing mixing of gases to be supplied and released by a patient is disclosed. The device 100 includes a processor 202 to operate a first motor 110 and a second motor 116. A first bag 112 provides a predefined amount of oxygen to the patient via an oxygen providing pipe 104. A second bag 114 is used for removing residual carbon dioxide from air tracts and lungs of the patient via a carbon dioxide removal pipe 106. The first motor 110 controls inflation and deflation of the first bag 112 and the second bag 114 simultaneously. The second motor 116 controls opening or closing of an air pressure valve 206. An oximeter 204 measures blood oxygen level and a rate of heartbeat of the patient and the air pressure sensor module 108 controls the pressure of oxygen to be supplied to the patient.

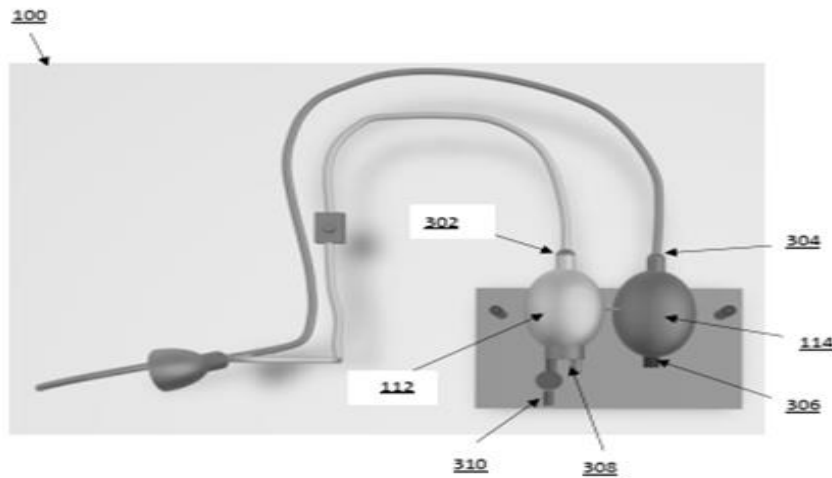


FIG. 3