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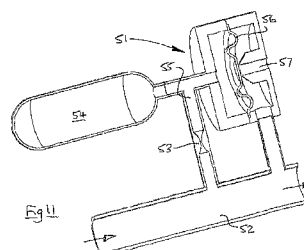
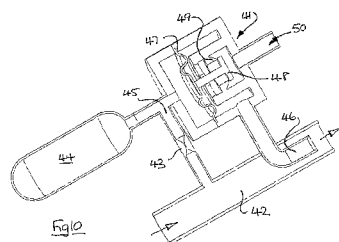
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(54) Title: BREATHING APPARATUS WITH DOUBLE COUNTERLUNG



(57) Abstract: A double counterlung for the breathing circuit of a diver has regulators (41, 51) for automatic addition and venting of breathing gas. Also disclosed is a weighted hinged plate (3) for a double counterlung, to reduce breathing effort when the diver is horizontal. Other improvements to the breathing circuit are described including use of a two stage compressor (151, 155), and single actuator valves for back-up circuits.

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