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(54) Title: FLAMMABLE GAS DILUTION

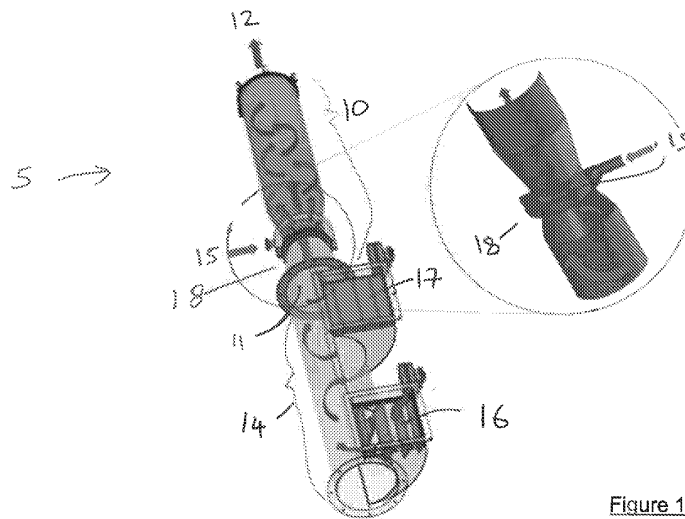


Figure 1

(57) Abstract: A flammable gas diluter (5) for diluting a flow of flammable gas to a concentration below the flammability limit of the flammable gas is disclosed. The diluter (5) comprises: a dilution vessel (10) comprising an outer envelope defining a longitudinal flow passage from an inlet (11) to an outlet (12); at least one air inlet (16) for directing a flow of air into the inlet of the diluter; and a flammable gas inlet arrangement (15). The dilution vessel has a plurality of gas flow directing formations (30, 32, 34, 36) arranged between the flammable gas inlet arrangement and the outlet, each being at a different position along a length of the dilution vessel. At least one of the plurality of gas flow formations is an inwardly directing gas flow formation (32, 36) for directing gas flow away from the outer envelope and at least one of the gas flow formations is an outwardly directing gas flow formation (30, 34) for directing gas flow towards the outer envelope.

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