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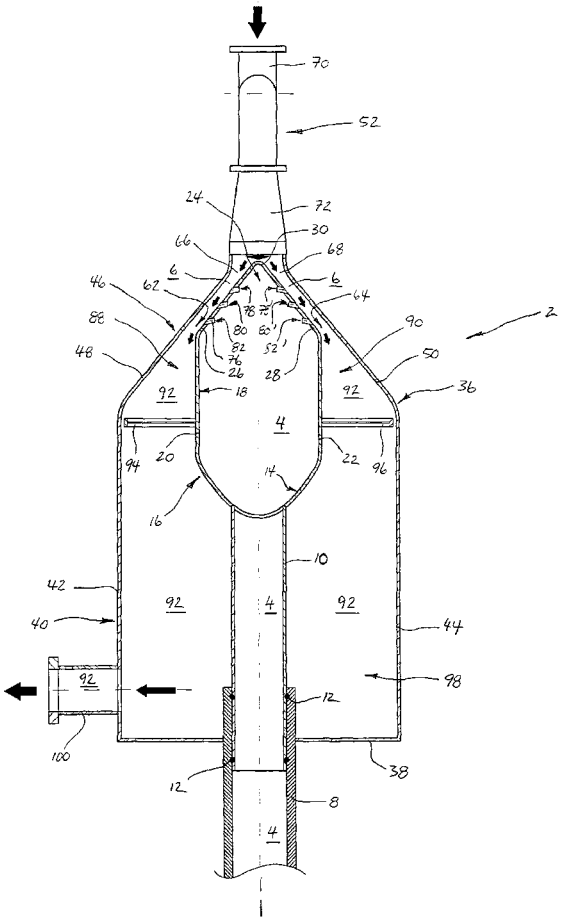
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(54) Title: GAS CONDENSER



(57) Abstract: Gas condenser (2) arranged to condense gas/vapour (4) evaporating from a volatile liquid (6) being stored, for example, in a storage tank. The gas/vapour (4) is conducted into a gas chamber (16) provided with openings, possibly also nozzles (76), the gas chamber (16) being placed in a surrounding housing (36). Thereafter, the gas/vapour (4) is sucked into at least one venturi section (62, 64), wherein the liquid (6), for example, is flowing with a static underpressure relative to the inflowing gas/vapour (4). Via at least one expansion section (88, 90), a mixture (92) of gas/vapour (bubbles) (4) and liquid (6) flows onward to a condensing chamber (98), through which the static pressure of the liquid (6) increases and the gas/vapour (4) is condensed, after which the mixture (92) is conducted back to, for example, the storage tank. By means of one or several adjusting devices arranged to the gas condenser (2), the shape of the slot volume of the venturi section(s) (62, 64), possibly also the slot volume of expansion section(s) (80, 90), and thus the course of pressure through it/them, may be optimally adjusted/changed/adapted to the current operating condition and the current gas condensing need.

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