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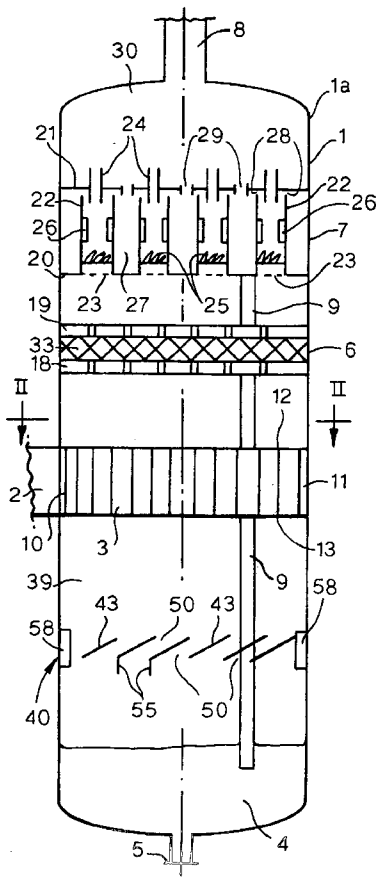
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(54) Title: GAS/LIQUID SEPARATOR



(57) Abstract: A gas/liquid separator (1a) comprising a vertical vessel (1) having an inlet (2) for a gas/liquid mixture; a gas/liquid separation device (3) arranged within the vessel, which separation device has an inlet in fluid communication with the inlet of the vessel, and an outlet means (17) for at least partially separated gas and liquid; an outlet (8) for gas from the vessel, above and in fluid communication with the outlet means of the separation device; a liquid collection space (4) in the vessel, below and in fluid communication with the outlet means of the separation device; and an outlet (5) for liquid from the vessel, having a receiving end in the liquid collection space, wherein the gas/liquid separation device (3) is a vane inlet device and wherein between the separation device and the liquid collection space (4) a liquid collection promoter tray (40) is arranged, forming a receiving area for liquid impinging on the tray from above and having a passage (50) for liquid received on the receiving area to flow to the liquid collection space; and the use of such a gas/liquid separator.

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