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(54) Title: DEVICE AND PROCESS FOR PREPARING A FEED STREAM FOR SOLUTION POLYMERIZATION

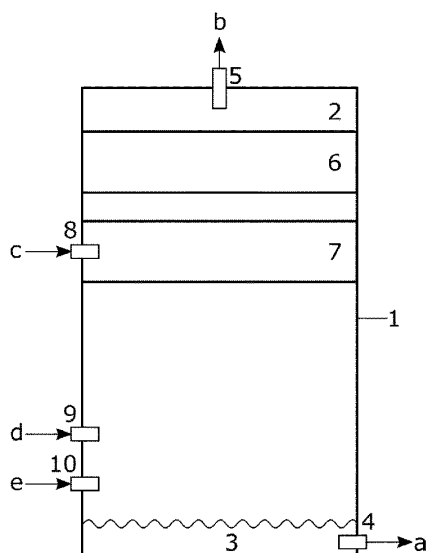


Fig. 1

(57) Abstract: A feeding device for preparing a feed stream for a solution polymerization, comprising a feed vessel, the feed vessel comprising a top zone and a bottom zone; a feed outlet for withdrawing the feed stream, wherein the feed outlet is positioned at the bottom zone; a waste outlet for withdrawing a waste vapour stream, wherein the waste outlet is positioned at the top zone; a first heat exchanger positioned below the top zone; an absorber positioned below the first heat exchanger; a first inlet for introducing a fresh liquid stream into or on top of the absorber, wherein the first inlet is positioned at the absorber; a second inlet for introducing a recycle liquid stream, wherein the second inlet is positioned below the first inlet; and a third inlet for introducing a recycle vapour stream, wherein the third inlet is positioned below the second inlet and above the feed outlet.

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