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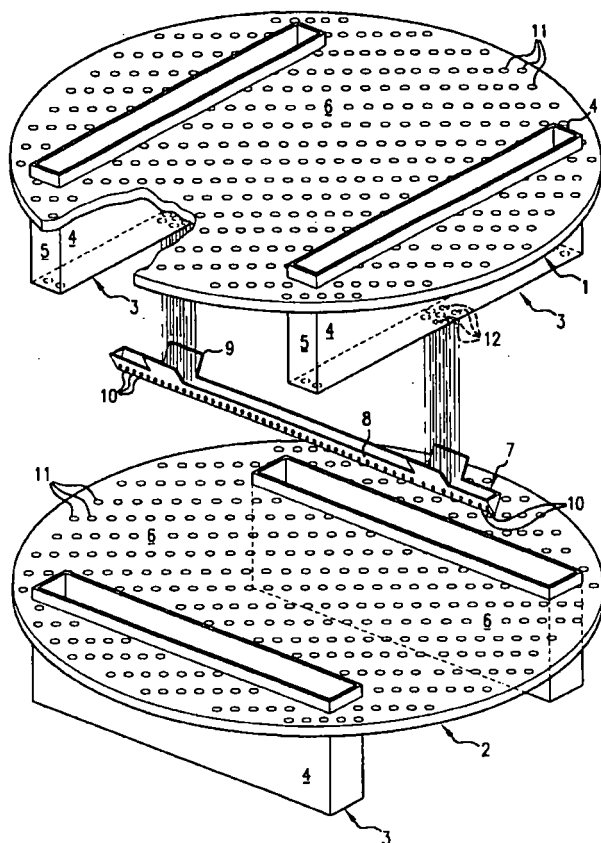
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(54) Title: **INCREASED EFFICIENCY FRACTIONAL DISTILLATION TRAY AND PROCESS**



(57) Abstract: The efficiency of multiple downcomer fractional distillation trays is improved by distributing the liquid egressing from the bottom of the downcomers (31) in a manner which provides a uniform length liquid flow path on the next lower tray. This is accomplished by liquid distribution devices (7) suspended below the downcomers of the upper tray (1), with the devices running parallel to the downcomers of the next lower tray (2) and being adapted to collect the falling liquid and then disperse it onto the decking below along the length of the lower downcomers through openings (10) in the distribution device (7).

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