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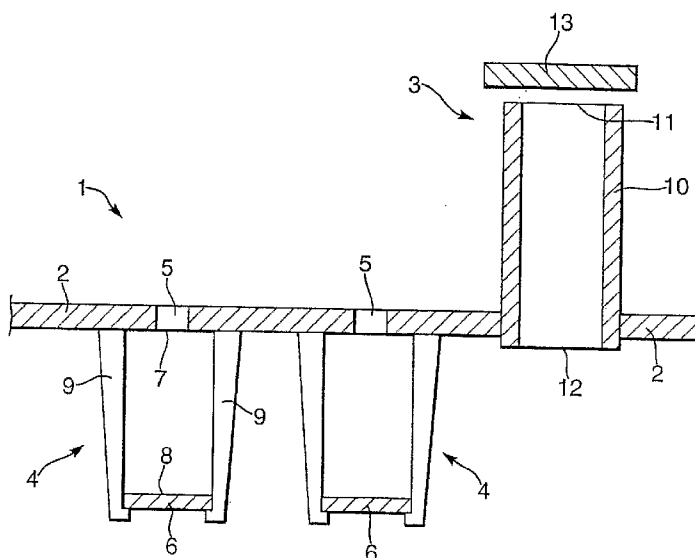
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(54) Title: DISTRIBUTION DEVICE



(57) Abstract: The invention relates to a distribution device (1) for distributing liquid over an underlying catalyst bed comprising a horizontal collection tray (2) provided with at least one gas chimney (3) for upward or downward passage of gas and with liquid dosing nozzles (4) for downward passage of liquid, wherein the gas chimney(s) (3) and liquid dosing nozzles (4) are separate from each other and do not have the same longitudinal axis, and wherein each liquid dosing nozzle (4) comprises a concentrically arranged liquid passing hole (5) and splash plate (6), wherein the splash plate (6) is located below the liquid passing hole (5) and below the collection tray (2) such that there is a free fall distance for liquid of at least 100 mm between the hole (5) and the splash plate (6). The invention further relates to a reactor for hydroprocessing comprising such distribution device (1), the use of such reactor for hydroprocessing and a process for hydrocracking or hydrotreating in such reactor.

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