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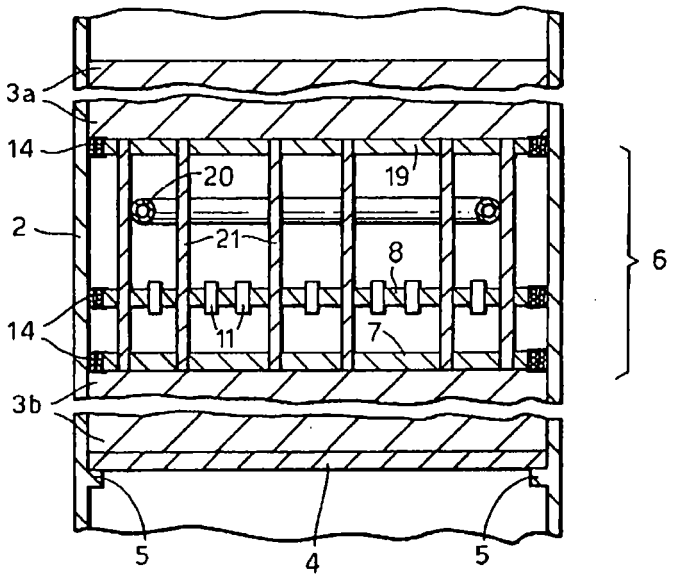
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[Continued on next page]

(54) Title: SELF-SUPPORTING REACTOR INTERNAL



(57) Abstract: The invention relates to a reactor internal comprising a substantially horizontal lower support grid and at least one distribution device selected from a distribution tray and means for distributing a quench fluid, which distribution device is located above the lower support grid and is connected to and spaced apart from the lower support grid by means of vertically extending legs. The invention further relates to a reactor internal (6) comprising a lower (7) and an upper support grid (19) and a distribution device (8, 20), wherein the support grids (7, 19) are connected to and spaced apart from each other by means of vertically extending legs (21). The invention also relates to a reactor comprising such internal and to the use of such reactor in a process for hydrocarbon processing.

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