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(54) Title: STRUCTURED PACKING

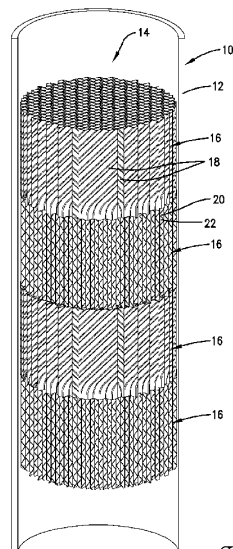


Fig. 1.

(57) Abstract: A corrugated structured packing sheet has the combination of cor-
rugations that include a curve formed in the geometry of the corrugations in the
lower edge region of the structured packing sheet and a surface texturing on op-
posite faces of the structured packing sheet that are in the form of a grid of inden-
ted and raised structures. Each indented structure is separated from some or all of
adjacent ones of the indented structures by the raised structures. The raised struc-
tures form rows of peaks and interconnecting saddles. Microchannels extend along
adjacent ones of the indented structures and the interconnecting saddles. The sur-
face texturing caused an unexpected performance improvement when used with
the curved geometry of the corrugations in the lower edge region.

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