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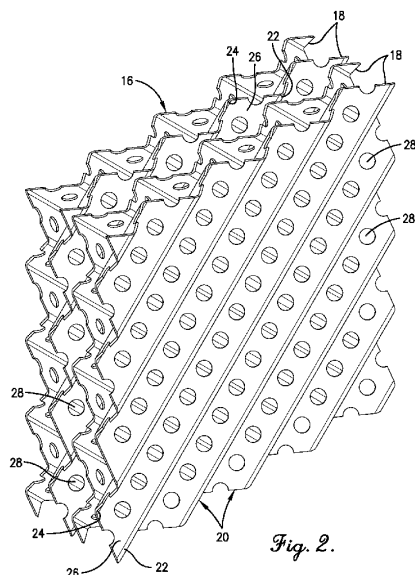
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(54) Title: STRUCTURED PACKING MODULE FOR MASS TRANSFER COLUMNS



(57) Abstract: A cross-corrugated structured packing element is provided for use in mass transfer or heat exchange columns. The packing element has a plurality of packing layers positioned in an upright, parallel relationship to each other and including corrugations formed of alternating peaks and valleys and corrugation sidewalls extending between the peaks and valleys. The packing element also includes a plurality of apertures each presenting an open area. The apertures are distributed such that the corrugation sidewalls have a greater density of open areas than any density of the open areas that may be present in the peaks and valleys. Some of the apertures may be present in the peaks and the valleys to facilitate liquid distribution. The apertures may also be placed in rows or other patterns that are aligned in a direction along a longitudinal length of the corrugations.

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