

Title (en)

STRUCTURED PACKING FOR MASS TRANSFER AND/OR HEAT EXCHANGE BETWEEN A LIQUID AND A GAS

Title (de)

STRUKTURIERTE PACKUNG FÜR STOFF- UND/ODER WÄRMEAUSTAUSCH ZWISCHEN EINER FLÜSSIGKEIT UND EINEM GAS

Title (fr)

GARNISSAGE STRUCTURE POUR TRANSFERT DE MASSE ET/OU ECHANGE DE CHALEUR ENTRE UN LIQUIDE ET UN GAZ

Publication

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Application

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Abstract (en)

[origin: WO9850752A1] The invention relates to a structured packing (1) for mass transfer or heat exchange between a liquid and a gas. The structured packing comprises a multiplicity of sheets (2, 3) with corrugations (G) parallel to one another. Adjoining sheets are arranged crosswise with respect to the direction of their channels. The corrugations of each sheet have a corrugation height (H) and a corrugation width (B). The ratio of the corrugation height (H) to corrugation width (B) satisfies the equation $H/B \geq 0.75$, preferably satisfies the equation $H/B \geq 1$ and even more preferentially satisfies the equation $H/B \geq 2$. The sheets with corrugations can have a triangular or sine-wave-shaped corrugation profile. The direction of the channels in the sheets can be arranged at an angle of approximately 45 DEG to 70 DEG with respect to the vertical.

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