

Title (en)

FLOW CHANNEL FOR A MIXER-HEAT EXCHANGER

Title (de)

STRÖMUNGSKANAL FÜR EINEN MISCHER-WÄRMETAUSCHER

Title (fr)

CANAL D'ÉCOULEMENT POUR UN ÉCHANGEUR DE CHALEUR MÉLANGEUR

Publication

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Application

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Abstract (en)

[origin: US8628233B2] The invention relates to a flow channel having a mixing insert and a plurality of tubes guided parallel to the longitudinal axis of the flow channel over the length of the mixing insert, each mixing insert including at least twenty-eight pairwise crossed multi-wall sheets, the ratio of the width of the multi-wall sheets to the inside diameter of the flow channel being no more than 0.25, the ratio of the length of the mixing insert to the inside diameter of the flow channel being no less than 0.4, and the angle of the multi-wall sheets to the longitudinal axis of the flow channel being 30° to 60° and the ratio of the intermediate spacing of neighboring planes to the inside diameter of the flow channel being no more than 0.3, and to the inside diameter of the tubes being less than 6.

IPC 8 full level

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