

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: WO2008141472A1] The invention relates to a flow channel (22) having a mixing insert and a plurality of tubes (16) guided parallel to the longitudinal axis of the flow channel (22) over the length (L) of the mixing insert (10, 12), each mixing insert (10, 12) comprising at least twenty-eight pairwise crossed multi-wall sheets (18 A, 18 B), the ratio of the width (b) of the multi-wall sheets (18 A, 18 B) to the inside diameter (Di) of the flow channel (22) being no more than 0.25, the ratio of the length (L) of the mixing insert (10, 12) to the inside diameter (Di) of the flow channel (22) being no less than 0.4, and the angle (alpha) of the multi-wall sheets (18 A, 18 B) to the longitudinal axis (x) of the flow channel (22) being 30 to 60 and the ratio of the intermediate spacing (a) of neighboring planes (EA, EB) to the inside diameter of the flow channel (22) being no more than 0.3, and to the inside diameter of the tubes (16) being less than 6.

IPC 8 full level

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