

Title (en)
FLOW-DIVIDING ARRANGEMENT

Title (de)
STRÖMUNGSTEILUNGSEINRICHTUNG

Title (fr)
DISPOSITIF DE SEPARATION ET DE CONVERSION D'ECOULEMENT

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Application
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Abstract (en)
[origin: US5992453A] PCT No. PCT/EP96/04493 Sec. 371 Date Sep. 29, 1998 Sec. 102(e) Date Sep. 29, 1998 PCT Filed Oct. 17, 1996 PCT Pub. No. WO97/14511 PCT Pub. Date Apr. 24, 1997The invention concerns a flow-dividing and conversion arrangement (1) comprising a dividing system in which a substance is guided to a series of openings (3) from a total flow channel (K1) guiding the substance in a combined flow. At a first division point (T1), the total flow (K1) is branched off into two channels. Each channel end in the preceding stage branches into two channels which divide the flow and deflect the divided flows in opposite directions along the length of the arrangement. In order to improve the dividing function, the total flow channel (K1) merges at the first division point (T1) into two parallel, adjacent sections of partial flow channels (K2a, K2b) which guide the substance in the same direction. In the regions before, at and after the division point (T1) the flow is rectilinear or at least approximately rectilinear.

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