

Title (en)
DEVICE FOR CROSS-CURRENT FILTRATION

Title (de)
VORRICHTUNG ZUR QUERSTROMFILTRATION

Title (fr)
DISPOSITIF DE FILTRAGE TRANSVERSAL

Publication
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Application
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Abstract (en)
[origin: WO2004002612A1] The invention relates to a device for cross-current filtration with a number of filtration modules (1) arranged parallel to each other and branching from a distributor (20). According to the invention, the distributor (20) is arranged such that a flow transverse to the front surface of the filtration module (1) is generated in front of all filtration modules (1). It is of advantage if means for the adjustment of the flow speed transverse to the front faces of the filtration modules (1) are provided. It is of particular advantage if the flow transverse to the front faces of the filtration modules (1) is the same across all filtration modules (1). The above can be achieved to advantage whereby the open cross-section of the distributor (20) reduces in the direction of flow, the reduction being continuous or stepwise. By avoiding the build-up of fibrous bundles (7), the fault-free operating time of a filtration plant embodied as above can be significantly lengthened with relation to a conventionally embodied filtration plant. The above leads to an increased productivity.

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