Title (en)
DEVICE FOR HEAT EXCHANGE BETWEEN FLOWABLE MEDIA

Title (de)
VORRICHTUNG ZUM WÄRMEAUSTAUSCH ZWISCHEN STRÖMUNGSFÄHIGEN MEDIEN

Title (fr)
DISPOSITIF POUR L'ECHANGE DE CHALEUR ENTRE DES SUBSTANCES POUVANT S'ECOULER

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Application
EP 03729966 A 20030502

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• EP 0304605 W 20030502

Abstract (en)
[origin: WO2004005832A1] The invention relates to a device for heat exchange between flowable media. Said device comprises a heat exchanger block which is defined, on one side, by an inflow chamber (1) for supplying the liquid medium, and on the other side, by an outflow chamber (3) for evacuating the liquid medium. Said block comprises fluid channels (7) for the liquid medium, extending through the block from the inflow chamber (1) to the outflow chamber (3), and a covering plate (9) which extends from the inflow chamber (1) to the outflow chamber (3) and closes the block at one end. Said covering plate (9) is provided with at least one inner passage (13) which extends from the inflow channel (1) to the outflow channel (3) as a bypass flow channel bypassing the fluid channels (7). Said passage can be blocked by means of at least one pressure limitation device (11), and unblocked by opening said pressure limitation device (11) as a result of a pressure difference between the inflow chamber (1) and the outflow chamber (3), which exceeds a pre-determined threshold value.

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