

Title (en)

HEAT EXCHANGER DEVICE FOR THE RAPID HEATING OR COOLING OF FLUIDS

Title (de)

WÄRMETAUSCHERVORRICHTUNG ZUM SCHNELLEN AUFHEIZEN ODER ABKÜHLEN VON FLUIDEN

Title (fr)

DISPOSITIF ECHANGEUR DE CHALEUR POUR CHAUFFER OU REFROIDIR RAPIDEMENT DES FLUIDES

Publication

**EP 1920208 A1 20080514 (DE)**

Application

**EP 06791789 A 20060901**

Priority

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Abstract (en)

[origin: US2008190594A1] A heat exchanger ( 1 ), in particular a micro heat exchanger, constructed from a stack of films or plates (F), wherein in the individual plates (F), throughholes ( 4, 5, 7, 8 ) and channels ( 2, 3 ) extending in the plane of the plates are formed, and the plates (F) are arranged over one another such that the channels ( 2, 3 ) in successive plates (F) intersect, a first fluid (P) flows through the channels ( 2 ) of a plate (F) and a second fluid (W) through the channels ( 3 ) in the adjacent plate (F), at the outsides of the resulting block of intersecting channels ( 2, 3 ) supply and discharge pipes are formed by the throughholes ( 4, 5, 7, 8 ), and wherein at least one of the two fluids (P, W) flows through the channels of the relevant plate in an antiparallel manner or in the counter direction alternately.

IPC 8 full level

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