

Title (en)  
HEAT EXCHANGER

Title (de)  
WÄRMEÜBERTRAGER

Title (fr)  
ÉCHANGEUR DE CHALEUR

Publication  
**EP 3039372 A1 20160706 (DE)**

Application  
**EP 14749833 A 20140808**

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Abstract (en)  
[origin: WO2015024802A1] The invention relates to a heat exchanger (1) having a fluid-tight housing (3) for conducting a first mass flow (4), at least one heat-permeable tube (5 – 10) which runs in the housing (3) and which serves for conducting a second mass flow (11), wherein the housing (3) and outer surfaces (12, 13, 14, 15) of the at least one tube (5 – 10) form parallel flow paths (24) for the first mass flow (4), which flow paths are delimited at the end sides by a plate (21), and a connector (22) via which the first mass flow (4) can be introduced into the housing (3) in the region of the plate (21). So-called "hotspots" can be avoided, and at the same time a more uniform temperature distribution can be achieved, if an outer surface (12, 13, 14, 15) of the at least one tube (5 – 10) has an elevation (16, 17, 18) such that the first mass flow (4), after entering the housing (3), is distributed substantially uniformly in the region of the plate (21) and is divided uniformly among the flow ducts (24).

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