

Title (en)

Heat exchanger, more particularly heat exchanger for exhaust gases

Title (de)

Wärmetauscher, insbesondere Abgaswärmetauscher

Title (fr)

Echangeur de chaleur, en particulier échangeur de chaleur pour gaz d'échappement

Publication

EP 0974804 B1 20021009 (DE)

Application

EP 99113222 A 19990708

Priority

DE 19833338 A 19980724

Abstract (en)

[origin: EP0974804A2] The flow channels (2) of the heat exchanger are longer than the flow channels (3) and extend through the collection chamber (4) having inlets and outlets (8, 9). In region (I), in which both flow channels run parallel to each other, the heat exchanger does not have a housing. Heat exchanger, especially waste gas heat exchanger, consists of a stack of heat exchange plates forming divided flow channels running parallel to each other, with collection chambers, and inlet and outlet for the waste gas and for liquid coolant. The flow channels (2) of the heat exchanger are longer than the flow channels (3) and extend through the collection chamber (4) having inlets and outlets (8, 9). In region (I), in which both flow channels run parallel to each other, the heat exchanger does not have a housing.

IPC 1-7

F28D 9/00

IPC 8 full level

F28F 3/00 (2006.01); **F28D 1/03** (2006.01); **F28D 9/00** (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP US)

F28D 9/0037 (2013.01 - EP US); **F28F 3/044** (2013.01 - EP US); **F28D 21/0003** (2013.01 - EP US); **F28F 2240/00** (2013.01 - EP US); **F28F 2250/102** (2013.01 - EP US)

Cited by

FR2827373A1; EP2154460A3; EP1348924A3; EP1701125A3; JP2001248980A; FR2837917A1; CN113432475A; EP1544564A1; DE10359806A1; FR2830929A1; FR2827949A1; FR2991039A1; US8016025B2; WO03081159A1; EP1348924A2; US8424592B2; US8516699B2; US7055586B2; US8261816B2

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EP 0974804 A2 20000126; **EP 0974804 A3 20000607**; **EP 0974804 B1 20021009**; AT E225926 T1 20021015; DE 19833338 A1 20000127; DE 59902999 D1 20021114; ES 2185276 T3 20030416; JP 2000097578 A 20000404; US 6293337 B1 20010925

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