

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

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Application
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Abstract (en)
[origin: WO2011003889A2] A heat exchange device (1), e.g., for a syngas reactor, comprising a channel wall (3) defining a flow channel and one or more heat exchange surfaces (5a- d), each embedding one or more flow paths for a fluid heat exchange medium. A support structure (20) supports the heat exchange surfaces (5a - d) within the flow channel. The support structure (20) comprises a plurality of arms (21) extending from a central crossing (22) to the channel wall (3). The arms (21) of the support structure can embed evenly distributed, e.g., meandering inner channels (23) which can be in open connection with the flow paths in the heat exchange surfaces (5a - d).

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