

Title (en)

HEAT EXCHANGER AND ASSEMBLY OF A HEAT EXCHANGER AND A BURNER

Title (de)

WÄRMEÜBERTRAGER UND ANORDNUNG EINES WÄRMETAUSCHERS UND EINES BRENNERS

Title (fr)

ÉCHANGEUR DE CHALEUR ET ENSEMBLE CONSTITUE D'UN BRULEUR ET D'UN ECHANGEUR DE CHALEUR

Publication

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Application

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Priority

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Abstract (en)

The invention relates to a heat exchanger, comprising: - a casing, comprising: - a substantially U-shaped body as seen in cross-section and extending in a longitudinal direction, wherein a base of the U-shape body comprises a gas outlet opening and wherein an open end, opposite to the base, of the U-shape body comprises a receiving space for receiving a burner, and - two end plates arranged at the two longitudinal end zones of said U-shape body; - a plurality of pipes arranged within said casing and connected to said end plates, through which pipes in use a liquid can flow; - a plurality of connecting means for providing a liquid through flow connection between at least two pipes at each longitudinal end zone of said U-shape body, such that liquid flowing through a first pipe of the at least two pipes is directed to the other pipe of the at least two pipes, wherein a first part of the pipes is arranged in a first pattern defining two legs of a substantially U-shape as seen in cross-section, said first pattern being arranged substantially parallel to legs of said U-shape body, and wherein a second part of said pipes are arranged within a space at least partly bounded by said first pattern. The invention further relates to an assembly of a heat exchanger according to the invention and a burner, wherein the burner is arranged in said receiving space.

IPC 8 full level

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Citation (applicant)

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