Title (en)
PLATE HEAT EXCHANGER HAVING A PLURALITY OF PLATES STACKED ONE UPON THE OTHER

Title (de)
PLATTENWÄRMETAUSCHER MIT MEHREREN ÜBEREINANDER GESTAPELTEN PLATTEN

Title (fr)
ÉCHANGEUR DE CHALEUR À PLAQUES CONSTITUÉ DE PLUSIEURS PLAQUES EMPILÉES LES UNES SUR LES AUTRES

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Application
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Abstract (en)
[origin: WO2011006825A2] The invention relates to a plate heat exchanger (1) having a plurality of plates (2) stacked one above the other, each alternatingly spanning a first and a second flow space (3) for a first or second medium, wherein each plate (2) comprises a circumferential edge (4) and is designed substantially having the shape of a basin, and wherein two adjacent plates (2) are each connected to each other by the circumferential edges (4), and wherein an end plate (7) is fixedly connected to at least one adjacent plate (2) at at least one end (14, 15) of the stack (5), wherein the circumferential edge (4) of the adjacent plate (2) is supported on a wall surface (19) of the end plate (7) implemented parallel to said edge (4) and is fixedly connected to said wall surface. In order to increase the strength without substantial weight disadvantage, the end plate (7) is made of an aluminum alloy, wherein the wall surface (19) is preferably implemented between two substantially flat, parallel surfaces (7', 7") of the end plate (7).

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