

Title (en)

Collector for a flat tube condenser.

Title (de)

Sammler für einen Flachrohrverflüssiger.

Title (fr)

Collecteur pour un condenseur à tube aplati.

Publication

**EP 0521489 B1 19951018 (DE)**

Application

**EP 92111162 A 19920701**

Priority

- DE 4121877 A 19910702
- DE 4137037 A 19911111

Abstract (en)

[origin: EP0521489A1] The invention relates to a collector/accumulator (2) for a flat-tube condenser consisting of two structural elements (4,6) of which the first (4) has accommodating slots (8) for the flat tubes (10) on a tube plate (3), and the second (6) completes the collector/accumulator circumference, the two structural elements (4,6) adjoining one another in two overlap zones (12), which extend along the collector/accumulator (2) and seal off the two structural elements (4,6) with respect to one another, and a soldered joint (14) being provided in the respective overlap zone (12). When it is provided in these two overlap zones (12) that in each case the first structural element (4) is arranged on the outside and the second structural element (6) on the inside, it is provided that the first structural element (4) embraces the second structural element (6) towards the inside and/or that the second structural element (6) is arranged completely inside the outside width dimension B of the first structural element (4). Furthermore, it is possible to construct in the tube plate on both sides of the respective accommodating slot on the side averted from the camber of the tube plate beads which terminate in the end regions of the camber of the tube plate and are pressed, in conjunction with material deformation of the circumference of the accommodating slots, against the respective inserted flat tube in the direction of camber of the tube plate. <IMAGE>

IPC 1-7

**F28F 9/02**; **F25B 39/04**

IPC 8 full level

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Cited by

US5450667A; DE4232018A1; US5778975A; EP0684441A1; FR2720490A1; US5799396A; EP0748997A3; EP0798530A1; CN101819003A; DE4435111A1; DE4435111C2; FR2706995A1; EP0631099A3; US6360818B1; WO9609513A1; EP2588828B1

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