

Title (en)

HEAT EXCHANGER FOR HIGH TEMPERATURE FLUIDS IN WHICH ONE OF THE FLUIDS ENTERS AND LEAVES BY WAY OF THE SUPERIOR PART OF THE EXCHANGER

Publication

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Application

**EP 83402128 A 19831102**

Priority

FR 8218571 A 19821105

Abstract (en)

[origin: US4585058A] Heat exchanger comprising a bundle (35) with straight vertical tubes, whose inner wall serves as the entry duct (46) for the fluid to be heated. This inner wall consists of a first shell (45) having a vertical axis, welded to the lower tube plate (39), a second shell (46) coaxial with the first and similarly fixed to the tube plate (39) and a third shell (47) fixed to the upper tube plate (40) and extended downwards between the two plates (39 and 40). The three shells are joined to the upper part of the exchanger so as to form two chambers (54 and 55) filled with inert gas. The inner shell (45) is joined to an entry duct (48) for the fluid to be heated. The invention applies, in particular, to intermediate heat exchangers of fast neutron nuclear reactors of an integrated type.

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