Title (en)
Heating boiler.

Title (de)
Heizkessel.

Title (fr)
Chaudière de chauffage.

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Application
EP 90100849 A 19900116

Priority
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Abstract (en)
The boiler which is the object of the present invention comprises a vertical metallic vessel (1) occupied by a mass of thermal fluid (2) and with connection pieces (4) connected to a closed heating circuit. The vessel houses two conical deflectors (18, 19) having vertical axis connected at their vertices and determining a zone of reduced cross section in the middle portion of the internal space of the vessel which comprises in its lower portion a heat generator of any kind (3) and a serpentine pipe (12) with valves (13, 14) at the ends thereof, and in the upper portion another serpentine pipe (15) with valves (16, 17) at the ends thereof, one of said valves being in correspondence with the base of the upper deflector and the other with the exit conduit. The head of the vessel also comprises an air discharge valve (5). The invention is based on the improvement of the performance and the increase of energy which results from the zero-gravity within the installation system in case that the boiler is adapted to work under said conditions. Thus, it is obvious that for obtaining the maximum efficiency of the boiler which is the object of the invention the disclosed system must function in a zero-gravity state.

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