Title (en)
   THERMAL POWER PLANT

Title (de)
   WÄRMEKRAFTANLAGE

Title (fr)
   CENTRALE THERMIQUE

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Abstract (en)
   [origin: WO2008113671A1] The invention relates to a thermal power plant (1) with a device for generating heat of compression and comprises a pump circuit (5) with a pump (7) for pumping a liquid (4) through a flow restrictor (10), a heat exchanger (20) for transferring heat from the heated liquid to a fluid which is to be heated and which is pumped through the heat exchanger (20), and a liquid container (2). The pump circuit (5) is constructed as an open circuit, in that the liquid which is to be pumped through the flow restrictor (10) is withdrawn from the liquid container (2), and the heated liquid which has been pumped through the flow restrictor (10) is returned to the liquid container (2). The heat exchanger (20) is connected in a heat exchanger circuit (21), constructed as an open circuit with a pump (22) for pumping heated liquid (4) through the heat exchanger (20). The invention thus provides that the intake opening in the liquid container (2) and the opening on the outlet side of the heat exchanger circuit (21) are arranged in such a way that, by the operation of the pump (22) of the heat exchanger circuit (21), the liquid in the liquid container (2) is mixed thoroughly. The invention further describes a method for the generation of compression heat and for the transfer of the generated compression heat to a fluid which is to be heated.

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