

Title (en)  
POWER PLANT WITH HEAT RESERVOIR

Title (de)  
KRAFTWERK MIT WÄRMESPEICHER

Title (fr)  
CENTRALE ÉLECTRIQUE À RÉSERVOIR THERMIQUE

Publication  
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Application  
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Abstract (en)  
[origin: WO2018024409A1] The invention relates to a power plant (1) having a steam circuit (2) which can be supplied, in the region of a heat recovery steam generator (3), with thermal energy for producing steam, the steam circuit (2) comprising, in the region of the heat recovery steam generator (3), a high pressure part (11), a medium pressure part (12) and a low pressure part (13). In addition, a heat reservoir (20) which has a phase change material (21) and which is not situated in the region of the heat recovery steam generator (3) is included, wherein, in order to supply the heat reservoir (20) with thermally processed water, a supply line (25) which leads out from the high pressure part (11) or the medium pressure part (12) is included and a discharge line (26) which leads into the medium pressure part (12), the low pressure part (13) or a steam turbine (4) is included for discharging thermally processed water from the heat reservoir (20).

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