

Title (en)
STEAM POWER PLANT

Title (de)
DAMPFKRAFTANLAGE

Title (fr)
INSTALLATION MOTRICE A VAPEUR

Publication
EP 0626034 B1 19960501 (DE)

Application
EP 93903159 A 19930210

Priority
• AT 23792 A 19920213
• DE 9300113 W 19930210

Abstract (en)
[origin: WO9316271A1] The high-efficiency steam power plant proposed uses as its working fluid a mixture of two liquids with different boiling points. The working fluid is heated in a pressure vessel (1) and passed in a closed circuit through an expansion chamber (4) and a condenser (6) to the pressure vessel (1) again. In the expansion chamber (4), the liquid with the lower boiling point evaporates, while the liquid with the higher boiling point forms droplets. In another closed circuit running in the opposite direction, a coolant is liquefied by a heat pump and cooled in a heat exchanger (10) in order to cool the condenser (6) following expansion. After the condenser (6), the working fluid passes through the heat exchanger (10) where it is heated.

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F01K 25/04

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