

Title (en)
DEVICE FOR CONVERTING THERMAL ENERGY

Title (de)
VORRICHTUNG ZUM UMWANDELN VON THERMISCHER ENERGIE

Title (fr)
DISPOSITIF DE CONVERTISSEMENT DE L'ÉNERGIE THERMIQUE

Publication
EP 3366894 B1 20220420 (DE)

Application
EP 17157833 A 20170224

Priority
EP 17157833 A 20170224

Abstract (en)
[origin: CA3054250A1] In an apparatus for converting thermal energy from a heat source into mechanical energy by means of a thermodynamic cycle using a working medium which is guided in the cycle and in that context experiences a changing pressure, wherein a saturated steam temperature value of the working medium is associated with the respective pressure, and an expansion device for expanding the working medium from an elevated pressure to a lower pressure, wherein after expansion to the lower pressure the working medium has a waste steam temperature, there is provided an adjustment device for setting the waste steam temperature to a defined waste steam temperature value above the saturated steam temperature value associated with the lower pressure.

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