

Title (en)
MACHINE FOR CONVERTING RESIDUAL HEAT INTO MECHANICAL ENERGY

Title (de)
MASCHINE ZUR UMWANDLUNG VON RESTWÄRME IN MECHANISCHE ENERGIE

Title (fr)
MACHINE DE CONVERSION DE CHALEUR FATALE EN ÉNERGIE MÉCANIQUE

Publication
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Application
EP 19795290 A 20191001

Priority
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Abstract (en)
[origin: WO2020070432A1] The invention relates to a machine for converting heat into mechanical energy, comprising an expansion valve (EXP) producing mechanical energy from a flow of vapour of a fluid, an evaporator (EVAP) heated by a heat source (Sh) at a high temperature (Th) and configured to supply the expansion valve with vapour; a condenser (COND) cooled by a cold source (Sb) at a low temperature (Tb) and configured to condense vapour delivered by the expansion valve; a liquid circuit (VL) configured to transfer the fluid in the liquid phase from the condenser to the evaporator; a vapour circuit (VV) configured to transfer the fluid in the vapour phase from the evaporator to the condenser; and valves configured in order, in a first so-called active time, to shut off the liquid and vapour circuits (VV, VL), and in a second so-called inactive time, to open the liquid and vapour circuits.

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