

Title (en)

ENERGY RECOVERY CIRCUIT FROM A THERMAL SOURCE AND RELATED ENERGY RECOVERY METHOD

Title (de)

ENERGIERÜCKGEWINNUNGSSCHALTUNG AUS EINER WÄRMEQUELLE UND ENTSPRECHENDES VERFAHREN ZUR ENERGIERÜCKGEWINNUNG

Title (fr)

CIRCUIT DE RÉCUPÉRATION D'ÉNERGIE À PARTIR D'UNE SOURCE THERMIQUE ET PROCÉDÉ DE RÉCUPÉRATION D'ÉNERGIE ASSOCIÉ

Publication

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Application

EP 18839731 A 20181228

Priority

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- IB 2018060700 W 20181228

Abstract (en)

[origin: WO2019130266A1] An energy recovery circuit from a thermal source, comprising a circulation pump (P) of an operating fluid, a high-temperature heat exchanger (HTHX) in which the operating fluid exchanges heat with the thermal source, a vane expander (1) comprising an inlet port (16) and an outlet port (17), a low-temperature heat exchanger (LTHX) in which the operating fluid exchanges heat with a cooling fluid, and a duct for the supplementary introduction of operating fluid in the liquid state from a high pressure branch of the circuit downstream of the pump (P) into a portion (18) of an expansion chamber (14) of the expander (1) isolated from the inlet port (16) and the outlet port (17).

IPC 8 full level

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