

Title (en)
METHOD FOR OPERATING A HEAT PUMP

Title (de)
VERFAHREN ZUM BETREIBEN EINER WÄRMEPUMPE

Title (fr)
PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UNE POMPE À CHALEUR

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Abstract (en)
[origin: WO2018178169A1] The invention relates to a heat pump (12, 26) with a fluid circuit (21, 28) with at least one evaporator (10), a downstream compressor unit (7), at least one downstream liquefier (8), and a downstream expansion unit (9), and a first bypass line (42) with at least one bypass valve (43), so that the fluid circuit can be fluidically connected, downstream of the compressor unit (7) and upstream of the liquefier (8), to the fluid circuit downstream of the evaporator (10) and upstream of the compressor unit (7). The heat pump has a region of the part-load operation that is broadened in the direction of low heat source power. To that end, the heat pump comprises a second bypass line (45) with means for metering the throughflow quantity (46), wherein by means of the second bypass line a liquid phase of the fluid can be introduced into the first bypass line (42).

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