

Title (en)

HEAT PUMP COMPRISING A COOLING DEVICE FOR COOLING A GUIDE SPACE AND A SUCTION MOUTH

Title (de)

WÄRMEPUMPE MIT EINER KÜHLVORRICHTUNG ZUM KÜHLEN EINES LEITRAUMS UND EINES SAUGMUNDS

Title (fr)

POMPE À CHALEUR COMPRENANT UN DISPOSITIF DE REFROIDISSEMENT POUR REFROIDIR UNE CHAMBRE DE CONDUCTION ET UNE BOUCHE D'ASPIRATION

Publication

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Application

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Abstract (en)

[origin: WO2019042825A2] The invention relates to a heat pump having the following features: an evaporator (90) for evaporating working liquid; a condenser (114) for condensing compressed working steam; a compressor motor (110) having a suction mouth (92), on which a radial impeller (304) is mounted in order to convey working steam (314) evaporated in the evaporator (90) through the suction mouth (92); a guide space (302) which is arranged to guide a working steam (112) conveyed by the radial impeller (304) into the condenser (114); and a cooling device (420) for cooling the guide space (302) or the suction mouth (92) with a liquid, wherein the cooling device (420) is designed to guide (421, 422) the liquid on an outer side of the guide space (302) or the suction mouth (92), wherein the outer side is not in contact with the working steam (314, 112), and wherein an inner side of the guide space (302) or the suction mouth (92) is in contact with the working steam (314, 112).

IPC 8 full level

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