

Title (en)

REFRIGERATING OR HEAT PUMP SYSTEM WITH HEAT REJECTION AT SUPERCRITICAL PRESSURE

Title (de)

KÄLTE- ODER WÄRMEPUMPENSYSTEM MIT WÄRMEABGABE BEI ÜBERKRITISCHEM DRUCK

Title (fr)

SYSTEME DE POMPE DE REFRIGERATION OU DE CHAUFFAGE AVEC REJET DE CHALEUR SOUS PRESSION SUPERCRITIQUE

Publication

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Application

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Priority

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- NO 20005974 A 20001124

Abstract (en)

[origin: WO0242695A1] A refrigerating or heat pump system includes an evaporator (23), a compressor (20), an air-cooled heat rejecting heat exchanger (21) and an expansion device (22) being connected in a closed circuit and operating in a trans critical vapor compression cycle. The heat rejecting heat exchanger (21) is cooled by natural upwards circulation/convection of air. In a preferred embodiment the heat rejecting exchanger (21) is built into an air flow conduit or shell (11) to improve the natural air circulation by obtaining a chimney effect.

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IPC 8 full level

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