

Title (en)

HEAT PUMPS FOR USE OF ENVIRONMENTALLY SAFE REFRIGERANTS

Title (de)

WÄRMEPUMPE ZUR VERWENDUNG VON UMWELTVERTRÄGLICHEN KÄLTEMITTELN

Title (fr)

POMPE À CHALEUR POUR UTILISATION DES RÉFRIGÉRANTS ÉCOLOGIQUES

Publication

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Application

EP 14727748 A 20140516

Priority

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Abstract (en)

[origin: WO2014191237A1] The heat pump according to the invention comprises an internal heat exchanger and a regulating device which is designed to bring the temperature of the working fluid at the outlet of the compressor to a specifiable minimum interval above the dew point at the same pressure. By means of the aforementioned additional intervention in the heat pumping process, novel coolants can be used in heat pumps, said coolants having a low dew line slope of under 1000 (kgK2)/kJ in the temperature-entropy diagram and being characterized by very good safety and environmental properties.

IPC 8 full level

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