

Title (en)

Device for increasing the evaporator pressure in heat pumps and/or refrigeration machines with zeotropic refrigerant

Title (de)

Vorrichtung zur Anhebung des Verdampfdrucks für Wärmepumpen und/oder Kältemaschinen mit zeotropen Kältemitteln

Title (fr)

Dispositif d'augmentation de la pression d'évaporateur dans des pompes à chaleur et/ou des machines frigorifiques utilisant un frigorigène zéotrope

Publication

EP 0801278 B1 20030813 (DE)

Application

EP 96120304 A 19961218

Priority

CH 83996 A 19960401

Abstract (en)

[origin: EP0801278A2] The device uses a zeotropic refrigeration medium and includes a suction gas/liquid gas internal heat exchanger (5) for increasing the vapour pressure. A sensor (6) for the expansion valve (4) between the heat extraction and heat delivery heat exchangers is positioned on the low pressure side of the internal heat exchanger. In the case of a number of internal heat exchangers, the sensor for the expansion valve is positioned between the last internal heat exchanger and the compressor.

IPC 1-7

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IPC 8 full level

F25B 9/00 (2006.01); **F25B 40/00** (2006.01)

CPC (source: EP)

F25B 9/006 (2013.01); **F25B 40/00** (2013.01); **F25B 2700/21151** (2013.01)

Cited by

EP0926454A3; DE102017216361A1; WO2011031014A3; US6192696B1; US11237097B2

Designated contracting state (EPC)

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