

Title (en)

INTERNAL LIQUID SUCTION HEAT EXCHANGER

Title (de)

WÄRMETAUSCHER MIT INTERNER FLÜSSIGKEITSANSAUGUNG

Title (fr)

ÉCHANGEUR DE CHALEUR À ASPIRATION DE LIQUIDE INTERNE

Publication

EP 3204702 B1 20210811 (EN)

Application

EP 15784520 A 20151006

Priority

- US 201462061768 P 20141009
- US 2015054212 W 20151006

Abstract (en)

[origin: WO2016057492A1] In one aspect, an evaporator assembly for a refrigeration system is provided. The evaporator assembly includes a pressure vessel having an inlet and an outlet. The outlet is configured to supply refrigerant to a compressor of the refrigeration system. A liquid suction heat exchanger is disposed within the pressure vessel. The liquid suction heat exchanger is configured to receive a liquid refrigerant for heat exchange with the refrigerant in the pressure vessel.

IPC 8 full level

F25B 39/02 (2006.01); **F25B 40/00** (2006.01); **F25B 43/02** (2006.01)

CPC (source: CN EP US)

F25B 39/00 (2013.01 - US); **F25B 39/02** (2013.01 - CN EP US); **F25B 40/00** (2013.01 - CN EP US); **F25B 40/06** (2013.01 - US); **F28D 1/0461** (2013.01 - EP US); **F28D 7/0083** (2013.01 - EP US); **F28D 7/16** (2013.01 - EP US); **F25B 2339/0242** (2013.01 - CN EP US); **F25B 2500/18** (2013.01 - CN EP US); **F25B 2700/21175** (2013.01 - CN EP US); **F28D 2021/0071** (2013.01 - EP US)

Citation (examination)

EP 2196745 A1 20100616 - MITSUBISHI ELECTRIC CORP [JP]

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 2016057492 A1 20160414; CN 106796066 A 20170531; EP 3204702 A1 20170816; EP 3204702 B1 20210811; ES 2883599 T3 20211209; US 2017248354 A1 20170831

DOCDB simple family (application)

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