

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 A1 20170816 (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 (search report)

See references of WO 2016057492A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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)

US 2015054212 W 20151006; CN 201580054698 A 20151006; EP 15784520 A 20151006; ES 15784520 T 20151006; US 201515516981 A 20151006