

Title (en)

HEAT PUMP AND METHOD OF HEATING FLUID

Title (de)

WÄRMEPUMPE UND VERFAHREN ZUM ERWÄRMEN VON FLUID

Title (fr)

POMPE A CHALEUR ET PROCEDE DE CHAUFFAGE DE FLUIDE

Publication

EP 1910749 A1 20080416 (EN)

Application

EP 06760948 A 20060802

Priority

- AU 2006001092 W 20060802
- AU 2005904138 A 20050802

Abstract (en)

[origin: WO2007014426A1] A heat pump comprising an evaporator, a compressor and a heat exchanger is provide. The evaporator transfers heat from taken in air to a first fluid and expels the taken in air at a temperature cooler than ambient temperature. The compressor compresses and pumps the first fluid. The heat exchanger comprises a first passage for the heated compressed first fluid driven by the compressor and a second passage for a second fluid driven by thermal convection. A heat pump comprising a second heat exchanger that receives heated compressed first fluid from the compressor which heats compressed first fluid from the heat exchanger is also provided. Additionally, methods and systems for heating a fluid are also provided.

IPC 8 full level

F24D 17/02 (2006.01); **F24H 4/00** (2006.01); **F24H 4/02** (2006.01); **F25B 30/02** (2006.01)

CPC (source: EP US)

F24H 4/04 (2013.01 - EP US); **F25B 30/02** (2013.01 - EP US); **F28D 7/024** (2013.01 - EP US); **F28D 7/106** (2013.01 - EP US); **F28F 1/08** (2013.01 - EP US); **F25B 40/02** (2013.01 - EP US); **F25B 40/04** (2013.01 - EP US); **F25B 47/006** (2013.01 - EP US); **F25B 2339/047** (2013.01 - EP US)

Citation (search report)

See references of WO 2007014426A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007014426 A1 20070208; CN 101263346 A 20080910; CN 101263346 B 20100602; EP 1910749 A1 20080416; NZ 566377 A 20091030; US 2010043464 A1 20100225

DOCDB simple family (application)

AU 2006001092 W 20060802; CN 200680033297 A 20060802; EP 06760948 A 20060802; NZ 56637706 A 20060802; US 99769406 A 20060802