

Title (en)

METHOD FOR OPERATING A HEAT PUMP INSTALLATION, HEAT PUMP INSTALLATION AND POWER PLANT HAVING A HEAT PUMP INSTALLATION

Title (de)

VERFAHREN ZUM BETRIEB EINER WÄRMEPUMPENANLAGE, WÄRMEPUMPENANLAGE UND KRAFTWERK MIT EINER WÄRMEPUMPENANLAGE

Title (fr)

PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UNE INSTALLATION DE POMPES À CHALEUR, INSTALLATION DE POMPES À CHALEUR ET CENTRALE ÉLECTRIQUE COMPRENANT UNE INSTALLATION DE POMPES À CHALEUR

Publication

**EP 3563098 A1 20191106 (DE)**

Application

**EP 18705319 A 20180122**

Priority

- DE 102017202227 A 20170213
- EP 2018051417 W 20180122

Abstract (en)

[origin: WO2018145884A1] The invention relates to a method for operating a heat pump installation (1) in which method a working fluid circulates within a directed working circuit (100) of the heat pump installation (1), the working fluid is compressed by means of a compressor (20,...,25) and is condensed by means of a condenser (4), a mass flow of the working fluid upstream of the feed line is divided over a first and a second evaporator (31, 32) (102) and supplied in parallel to the first and the second evaporator (31, 32) and the working fluid is evaporated at a first evaporation pressure (411) in the first evaporator (31) and at a second evaporation pressure (412) in the second evaporator (32), which pressure is reduced by comparison with the first evaporation pressure (411). According to the invention, the first evaporator (31) is coupled thermally with a first heat source (41) having a first heat source temperature and the second evaporator (32) is coupled thermally with a second heat source (42) which has a second heat source temperature, which is lower than the first heat source temperature.

IPC 8 full level

**F25B 1/053** (2006.01); **F25B 1/10** (2006.01); **F25B 5/02** (2006.01); **F25B 9/10** (2006.01); **F25B 27/02** (2006.01); **F25B 30/02** (2006.01); **F25B 41/04** (2006.01)

CPC (source: EP KR US)

**F25B 1/053** (2013.01 - EP KR); **F25B 1/10** (2013.01 - EP KR); **F25B 5/02** (2013.01 - EP KR US); **F25B 27/02** (2013.01 - EP KR); **F25B 30/02** (2013.01 - EP KR); **F25B 2400/075** (2013.01 - EP KR); **Y02A 30/274** (2017.12 - EP); **Y02E 20/16** (2013.01 - EP)

Citation (search report)

See references of WO 2018145884A1

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 2018145884 A1 20180816**; CN 110291347 A 20190927; DE 102017202227 A1 20180816; EP 3563098 A1 20191106; JP 2020507733 A 20200312; KR 20190105019 A 20190911

DOCDB simple family (application)

**EP 2018051417 W 20180122**; CN 201880011413 A 20180122; DE 102017202227 A 20170213; EP 18705319 A 20180122; JP 2019543329 A 20180122; KR 20197021617 A 20180122