

Title (en)
Heat pump

Title (de)
Wärmepumpe

Title (fr)
Pompe à chaleur

Publication
EP 1925892 A3 20111214 (DE)

Application
EP 07450207 A 20071122

Priority
AT 19412006 A 20061123

Abstract (en)
[origin: EP1925892A2] The heat pump has a device for increasing pressure and a device for reducing pressure, which divides a closed loop of a working medium into a low pressure area and a high pressure area, and has a heat exchanger (6). Another device is electrically and thermally connected with the low pressure area of the heat pump for producing electrical and thermal energy. The device is directly coupled to the cycle of the working medium to make available of electrical and thermal energy in low pressure area. An independent claim is also included for a method for the operation of the heat pump.

IPC 8 full level
F25B 27/00 (2006.01); **F25B 30/06** (2006.01); **F25B 1/10** (2006.01)

CPC (source: EP)
F25B 1/10 (2013.01); **F25B 27/005** (2013.01); **F25B 30/06** (2013.01); **F25B 13/00** (2013.01); **F25B 40/04** (2013.01); **F25B 2313/02741** (2013.01)

Citation (search report)

- [XYI] JP 2003336930 A 20031128 - MATSUSHITA ELECTRIC IND CO LTD
- [YA] GB 2027182 A 19800213 - AUDI AG
- [A] US 3600904 A 19710824 - TILNEY RALPH B
- [X] DATABASE WPI Week 200658, Derwent World Patents Index; AN 2006-562366, XP002662618

Cited by
EP27844400A1; AU2010309437B2; WO2018202604A1; WO2011048594A3; US9267713B2; USRE49075E; JP2013508663A

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1925892 A2 20080528; EP 1925892 A3 20111214; AT 504564 A1 20080615; AT 504564 B1 20080915

DOCDB simple family (application)
EP 07450207 A 20071122; AT 19412006 A 20061123