

Title (en)  
Heat pump

Title (de)  
Wärmepumpe

Title (fr)  
Pompe à chaleur

Publication  
**EP 1837611 A3 20100414 (DE)**

Application  
**EP 07005893 A 20070322**

Priority  
DE 102006013587 A 20060322

Abstract (en)  
[origin: EP1837611A2] The heat pump (1) has a defrosting pressure controller (19) arranged between an expansion valve (14) and a refrigerant circuit reversing device (6). The pressure controller is connected with a control unit or a regulator, and is attached to the device. A pressure sensor transmits the signal corresponding to the refrigerant pressure to the control unit or the regulator for terminating the defrosting of the heat pump. A low pressure monitor is arranged in a refrigerant line for safeguarding a compressor (15) on the suction side. An independent claim is also included for a method for operating a heat pump.

IPC 8 full level  
**F25B 47/02** (2006.01)

CPC (source: EP)  
**F25B 47/025** (2013.01); **F25B 2700/19** (2013.01); **F25B 2700/1933** (2013.01)

Citation (search report)

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- [A] EP 1318364 A2 20030611 - CARRIER CORP [US]
- [A] FR 2667682 A1 19920410 - SERETH [FR]
- [A] "DEGIVRAGE PAR INVERSION DE CYCLE", REVUE PRATIQUE DU FROID ET DU CONDITIONNEMENT D'AIR, PYC EDITION SA., PARIS, FR, no. 784, 1 November 1993 (1993-11-01), pages 24 - 26, XP000415263, ISSN: 0370-6699

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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 1837611 A2 20070926; EP 1837611 A3 20100414; EP 1837611 B1 20120307**; AT E548616 T1 20120315; DE 102006013587 A1 20070927; DE 102006013587 B4 20160623

DOCDB simple family (application)  
**EP 07005893 A 20070322**; AT 07005893 T 20070322; DE 102006013587 A 20060322