

Title (en)  
Heat pump

Title (de)  
Wärmepumpe

Title (fr)  
Pompe à chaleur

Publication  
**EP 0826935 A2 19980304 (EN)**

Application  
**EP 97202616 A 19970826**

Priority  
NL 1003887 A 19960827

Abstract (en)

A heat pump comprises a tubular member (6; 18) forming a substantially closed loop with a compression and an expansion section for a working medium. Each of said sections cooperates with a heat exchanger (12, 16). In the operational state at least two floating plugs (10; 19) of a magnetic material are provided in the tubular member (6; 18), said plugs (10; 19) enclosing a gas bubble and/or liquid sample of the working medium. The heat pump further comprises electromagnetic means along at least a part of said tubular member (6; 18) for generating a moving magnetic field to control the movement of the plugs (10; 19) in said tubular member (6; 18). The plugs (10; 19) are formed by a magnetic fluid. <IMAGE>

IPC 1-7  
**F25B 30/02; F04B 39/00; F04C 18/063**

IPC 8 full level  
**F04B 39/00** (2006.01); **F25B 30/02** (2006.01)

CPC (source: EP)  
**F04B 39/0011** (2013.01); **F25B 30/02** (2013.01); **F25B 2309/1401** (2013.01)

Citation (applicant)

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Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0826935 A2 19980304**; NL 1003887 C2 19980303

DOCDB simple family (application)  
**EP 97202616 A 19970826**; NL 1003887 A 19960827