

Title (en)

IMPROVEMENTS IN THE REFRIGERATING CIRCUITS OF HOUSEHOLD AND SIMILAR VAPOUR-COMPRESSION REFRIGERATION APPARATUSES

Title (de)

KÄLTEMITTELKREISLÄUFE VON DAMPFKOMPRESSIIONSKÄLTEGERÄTEN FÜR DEN HAUSHALT UND DERGLEICHEN

Title (fr)

AMELIORATIONS CONCERNANT LES CIRCUITS DE REFRIGERATION D'APPAREILS MENAGERS DE REFRIGERATION PAR COMPRESSION DE VAPEUR ET D'APPAREILS SIMILAIRES

Publication

EP 0912866 A1 19990506 (EN)

Application

EP 97930392 A 19970624

Priority

- EP 9703310 W 19970624
- IT PN960044 A 19960716

Abstract (en)

[origin: WO9802697A1] The invention provides for the use, in the refrigerating circuit of a household or similar vapour-compression refrigeration apparatus, of the same control means (7) used for the driving motor of the compressor (1), which is a brushless-type motor, to also control electromagnetic valve means (8) located upstream of the capillary tube (4), said valve means being adapted to interrupt the flow of the refrigerant medium migrating from the condenser (2) to the evaporator (5) during the pauses in the operation of the compressor (1), wherein said control means (7) control a single electric parameter, such as preferably the power-supply frequency. In a preferred embodiment, the valve means (8) comprise at least a bistable valve.

IPC 1-7

F25B 49/02; **F25B 41/04**

IPC 8 full level

F25B 41/04 (2006.01); **F25B 49/02** (2006.01); **F25B 1/00** (2006.01)

CPC (source: EP US)

F25B 41/24 (2021.01 - EP US); **F25B 49/025** (2013.01 - EP US); **F25B 2600/0251** (2013.01 - EP); **Y02B 40/00** (2013.01 - EP)

Designated contracting state (EPC)

DE DK ES FR GB IT SE

DOCDB simple family (publication)

WO 9802697 A1 19980122; BR 9710245 A 19990810; EP 0912866 A1 19990506; IT 1289387 B1 19981002; IT PN960044 A0 19960716; IT PN960044 A1 19980116; JP 2000514544 A 20001031

DOCDB simple family (application)

EP 9703310 W 19970624; BR 9710245 A 19970624; EP 97930392 A 19970624; IT PN960044 A 19960716; JP 50554398 A 19970624