

Title (en)

A COOLING DEVICE AND CONTROL METHOD

Title (de)

KÜHLVORRICHTUNG UND STEUERVERFAHREN

Title (fr)

DISPOSITIF DE REFROIDISSEMENT ET PROCEDE DE COMMANDE

Publication

EP 1738119 A1 20070103 (EN)

Application

EP 05708866 A 20050228

Priority

- IB 2005050721 W 20050228
- TR 200400382 A 20040301

Abstract (en)

[origin: WO2005088212A1] This invention is related to a cooling device (1) and its control method that prevents the migration of refrigerant occurring in the cooling circuit (9) utilized for devices such as refrigerators and air conditioners, and during the stop state period of the compressor (2), from the condenser (4) towards the evaporator (3) causing a yield loss, at the same time by equilibrating the pressure between the suction and pumping parts of the compressor (2), simplifies the start-up of the compressor (2) and prevents the drawing of high current rates by the compressor (2) during the initial start-up until the limit torque rate.

IPC 8 full level

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

CPC (source: EP US)

F25B 41/20 (2021.01 - EP US); **F25B 41/24** (2021.01 - EP US); **F25B 49/02** (2013.01 - EP US); **F25B 2400/0409** (2013.01 - EP); **F25B 2400/0411** (2013.01 - EP); **F25B 2500/26** (2013.01 - EP); **F25B 2600/0261** (2013.01 - EP); **F25B 2600/2503** (2013.01 - EP); **F25B 2600/2507** (2013.01 - EP)

Cited by

EP2662647A3; EP3211351A1; US10731647B2; DE102012005878B4; US10309700B2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005088212 A1 20050922; AT E462942 T1 20100415; DE 602005020264 D1 20100512; EP 1738119 A1 20070103; EP 1738119 B1 20100331; RU 2006134640 A 20080410; RU 2347985 C2 20090227; TR 200604629 T1 20070122

DOCDB simple family (application)

IB 2005050721 W 20050228; AT 05708866 T 20050228; DE 602005020264 T 20050228; EP 05708866 A 20050228; RU 2006134640 A 20050228; TR 200604629 T 20050228