

Title (en)
REFRIGERATION MACHINE AND METHOD FOR OPERATING A REFRIGERATION MACHINE

Title (de)
KÄLTEMASCHINE UND VERFAHREN ZUM BETREIBEN EINER KÄLTEMASCHINE

Title (fr)
MACHINE FRIGORIFIQUE ET PROCEDE D'EXPLOITATION D'UNE MACHINE FRIGORIFIQUE

Publication
EP 1771689 B1 20170621 (DE)

Application
EP 05748140 A 20050420

Priority
• EP 2005004238 W 20050420
• DE 102004036301 A 20040727

Abstract (en)
[origin: WO2006010391A1] The invention relates to a refrigeration machine, particularly a heat pump, comprising a closed circuit, which contains a coolant and in which an evaporator, a compressor, a condenser and an, in particular, electrically operated expansion valve are arranged one after the other. The refrigeration machine also comprises an overheating control unit for at least intermittently regulating the temperature of the coolant in the area of the compressor, particularly the compression final temperature. The invention also relates to a method for operating a refrigeration machine of the aforementioned type.

IPC 8 full level
F25B 31/00 (2006.01); **F25B 13/00** (2006.01); **F25B 43/00** (2006.01); **F25B 49/02** (2006.01)

CPC (source: EP US)
F25B 31/006 (2013.01 - EP US); **F25B 49/022** (2013.01 - EP US); **F25B 13/00** (2013.01 - EP US); **F25B 43/006** (2013.01 - EP US); **F25B 2500/08** (2013.01 - EP US); **F25B 2600/21** (2013.01 - EP US); **F25B 2600/2501** (2013.01 - EP US); **F25B 2700/1933** (2013.01 - EP US); **F25B 2700/2106** (2013.01 - EP US); **F25B 2700/21151** (2013.01 - EP US)

Cited by
EP2515313A1; WO2012163561A1

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 2006010391 A1 20060202; CN 1989378 A 20070627; CN 1989378 B 20131218; DE 102004036301 A1 20060323; EP 1771689 A1 20070411; EP 1771689 B1 20170621; JP 2008508495 A 20080321; JP 5150253 B2 20130220; US 2008289345 A1 20081127; US 7870752 B2 20110118

DOCDB simple family (application)
EP 2005004238 W 20050420; CN 200580024407 A 20050420; DE 102004036301 A 20040727; EP 05748140 A 20050420; JP 2007522919 A 20050420; US 65836305 A 20050420