

Title (en)

Method for operating a cooler and cooler

Title (de)

Verfahren zum Betreiben einer Kältemaschine und Kältemaschine

Title (fr)

Procédé destiné au fonctionnement d'une machine frigorifique et machine frigorifique

Publication

EP 2706312 B1 20191106 (DE)

Application

EP 12183137 A 20120905

Priority

EP 12183137 A 20120905

Abstract (en)

[origin: EP2706312A1] The method involves branching-off the liquid refrigerant between a condenser (16) and a sub-cooler (18), from a closed circuit (11), The liquid refrigerant is expanded by an expansion valve (24), and is partially vaporized by a vaporizer (22). The partially vaporized liquid refrigerant is supplied to the compressors (12,14) for cooling by the sub-cooler. An independent claim is included for a refrigerating machine.

IPC 8 full level

F25B 41/04 (2006.01); **F25B 40/00** (2006.01); **F25B 49/02** (2006.01)

CPC (source: EP US)

F25B 40/00 (2013.01 - EP US); **F25B 41/20** (2021.01 - EP US); **F25B 49/02** (2013.01 - EP); **F25B 2400/075** (2013.01 - EP); **F25B 2400/13** (2013.01 - EP); **F25B 2600/2509** (2013.01 - EP); **F25B 2700/19** (2013.01 - EP); **F25B 2700/2101** (2013.01 - EP); **F25B 2700/21152** (2013.01 - EP)

Citation (examination)

WO 2007142619 A2 20071213 - CARRIER CORP [US], et al

Cited by

US11662125B2; WO2020227374A3

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2706312 A1 20140312; EP 2706312 B1 20191106

DOCDB simple family (application)

EP 12183137 A 20120905