

Title (en)  
REFRIGERATION SYSTEM

Title (de)  
KÄLTEANLAGE

Title (fr)  
SYSTÈME DE RÉFRIGÉRATION

Publication  
**EP 3070418 B1 20210721 (EN)**

Application  
**EP 16160865 A 20160317**

Priority  
IT BO20150132 A 20150318

Abstract (en)  
[origin: EP3070418A2] An operating method and refrigeration circuit (1), in particular for a heat pump (2) with cycle inversion; wherein the refrigeration circuit (1) has a finned heat exchanger (5), which is adapted to be installed on the outside of a room (H) to be conditioned, and a utility (7), adapted to be installed on the inside of the room (H) to be conditioned; wherein the exchanger (5) is adapted to be flowed through, on the outside, by an air flow in a given direction (W) and, on the inside, by a refrigerant fluid (F), which can selectively flow either in a first direction (R1) or in a second direction (R2); wherein the exchanger (5) is flowed through by the fluid (F) always in a countercurrent flow relative to the direction (W) of the outside air whatever the feeding direction (R1; R2) of the refrigerant fluid (F) on the inside of the refrigeration circuit (1) is.

IPC 8 full level  
**F25B 41/20** (2021.01)

CPC (source: EP US)  
**F25B 13/00** (2013.01 - EP US); **F25B 39/00** (2013.01 - EP); **F25B 41/20** (2021.01 - EP US); **F25B 41/42** (2021.01 - EP US); **F28D 1/0477** (2013.01 - EP); **F28D 1/05316** (2013.01 - EP); **F28F 9/0246** (2013.01 - EP); **F28F 9/026** (2013.01 - EP)

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 3070418 A2 20160921; EP 3070418 A3 20170111; EP 3070418 B1 20210721; ES 2881696 T3 20211130**

DOCDB simple family (application)  
**EP 16160865 A 20160317; ES 16160865 T 20160317**