Title (en)

REFRIGERATOR HAVING A FREEZER BOX AND A REFRIGERANT CIRCUIT AND METHOD FOR OPERATING A REFRIGERATOR

Title (de)

KÄLTEGERÄT MIT EINEM GEFRIERFACH UND EINEM KÄLTEMITTELKREIS UND VERFAHREN ZUM BETRIEB EINES KÄLTEGERÄTS

Title (fr)

APPAREIL FRIGORIFIQUE AVEC COMPARTIMENT DE CONGÉLATION ET CIRCUIT DE RÉFRIGÉRANT, ET PROCÉDÉ DE FONCTIONNEMENT D'UN APPAREIL FRIGORIFIQUE

Publication

EP 3426989 A1 20190116 (DE)

Application

EP 17705407 A 20170216

Priority

- DE 102016203895 A 20160309
- EP 2017053465 W 20170216

Abstract (en)

[origin: WO2017153141A1] In a refrigerator having a freezer box and a refrigerant circuit, which has a compressor (21) and a first evaporator (33, 63), wherein the first evaporator is arranged downstream of a stop valve (36, 67) and a first capillary tube (31, 61), the first evaporator (33, 63) is arranged upstream of a gas valve (68). A method for operating a refrigerant circuit, in a refrigerator having a freezer box, has the following method steps in any sequence: a) operating (81) the compressor; b) operating (82) a stop valve before a first evaporator; c) operating (83) a gas valve after the first evaporator.

IPC 8 full level

F25B 5/02 (2006.01); **F25B 41/04** (2006.01); **F25B 47/02** (2006.01)

CPC (source: EP US)

F25B 5/02 (2013.01 - EP US); **F25B 41/20** (2021.01 - EP US); **F25B 41/22** (2021.01 - EP US); **F25B 41/24** (2021.01 - EP US); **F25B 47/02** (2013.01 - EP); F25B 2500/26 (2013.01 - EP); F25B 2700/21171 (2013.01 - EP)

Citation (search report)

See references of WO 2017153141A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017153141 A1 20170914; CN 108700348 A 20181023; DE 102016203895 A1 20170914; EP 3426989 A1 20190116

DOCDB simple family (application)

EP 2017053465 W 20170216; CN 201780011989 A 20170216; DE 102016203895 A 20160309; EP 17705407 A 20170216