

Title (en)
SINGLE-CIRCUIT REFRIGERATOR

Title (de)
EINKREIS-KÄLTEGERÄT

Title (fr)
APPAREIL FRIGORIFIQUE À CIRCUIT UNIQUE

Publication
EP 3334988 A1 20180620 (DE)

Application
EP 16738809 A 20160715

Priority
• DE 102015215491 A 20150813
• EP 2016066852 W 20160715

Abstract (en)
[origin: WO2017025270A1] In the refrigerant circuit of a single-circuit refrigerator, the following are connected in series one after another between a pressure port (2) and an intake port (3) of a compressor (1): a condenser (5), a first throttle section (6), a first evaporator (8) for cooling a first temperature zone (16) of the single-circuit refrigerator, a second throttle section (9), a second evaporator (10) for cooling a second temperature zone (17) of the single circuit refrigerator, and an intake line (11). A downstream section (13) of the intake line (11) is connected with the first throttle section (6) to a first heat exchanger (15), and an upstream section (12) of the intake line (11) is connected with the second throttle section (9) to a second heat exchanger (14).

IPC 8 full level
F25B 41/06 (2006.01); **F25B 5/04** (2006.01); **F25D 11/02** (2006.01)

CPC (source: EP US)
F25B 5/04 (2013.01 - EP US); **F25B 41/37** (2021.01 - EP US); **F25B 41/39** (2021.01 - EP US); **F25D 11/022** (2013.01 - EP US); **F25B 2400/052** (2013.01 - EP US); **F25B 2400/054** (2013.01 - EP US)

Citation (search report)
See references of WO 2017025270A1

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 2017025270 A1 20170216; CN 107923678 A 20180417; CN 107923678 B 20210511; DE 102015215491 A1 20170216; EP 3334988 A1 20180620; EP 3334988 B1 20220928; PL 3334988 T3 20230102; US 2019024956 A1 20190124

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