

Title (en)  
REFRIGERATION AND FREEZER DEVICE

Title (de)  
KÜHL- UND GEFRIERGERÄT

Title (fr)  
APPAREIL DE RÉFRIGÉRATION ET DE CONGÉLATION

Publication  
**EP 2538158 B1 20210224 (DE)**

Application  
**EP 12004259 A 20120604**

Priority  
• DE 102011103961 A 20110610  
• DE 102011107538 A 20110714

Abstract (en)  
[origin: EP2538158A2] The cooling and freezing apparatus has a refrigerant circuit that includes an evaporator and a compressor. A liquid separator (100) is arranged between the evaporator and compressor. The liquid separator is provided with inlet portion (110) and outlet portion (120) to prevent the inflow of liquid refrigerant into the suction pipe of the compressor.

IPC 8 full level  
**F25B 43/00** (2006.01)

CPC (source: EP)  
**F25B 43/006** (2013.01); **F25B 2500/28** (2013.01)

Citation (examination)  
• US 2007062214 A1 20070322 - LYUN-SU KIM [KR]  
• US 4187695 A 19800212 - SCHUMACHER ERNEST W [US]  
• US 6170288 B1 20010109 - INCORVIA SAMUEL A [US]  
• JP H0783544 A 19950328 - TOSHIBA CORP  
• US 3512374 A 19700519 - GRAHL DARWIN R  
• WO 2005040701 A1 20050506 - MATSUSHITA ELECTRIC IND CO LTD [JP], et al

Cited by  
CN103318506A; CN106225355A; CN106225351A; CN106225346A

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 2538158 A2 20121226; EP 2538158 A3 20170503; EP 2538158 B1 20210224**; DE 102011107538 A1 20121213

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