

Title (en)  
REFRIGERATION APPARATUS

Title (de)  
KÜHLVORRICHTUNG

Title (fr)  
APPAREIL DE RÉFRIGÉRATION

Publication  
**EP 3282208 A1 20180214 (EN)**

Application  
**EP 16786151 A 20160428**

Priority  
• JP 2015092118 A 20150428  
• JP 2016002239 W 20160428

Abstract (en)  
A refrigeration apparatus (10) includes a plurality of utilization-side units (12) connected to a heat-source-side unit (11) through a pair of interconnecting pipes (14, 15). While one or some of the utilization-side units (12) are in a suspended state, a controller (90) performs a pressure control operation. The pressure control operation is performed to control the degree of opening of a heat-source-side expansion valve (38) to prevent the pressure of a refrigerant in the liquid interconnecting pipe (14) from exceeding a predetermined upper limit. The controller (90) performs the pressure control operation to prevent a liquid hammer phenomenon caused by opening solenoid valves of the utilization-side units (12).

IPC 8 full level  
**F25B 1/00** (2006.01)

CPC (source: EP US)  
**F25B 41/24** (2021.01 - EP US); **F25B 49/027** (2013.01 - EP US); **F25B 13/00** (2013.01 - EP); **F25B 2313/0233** (2013.01 - EP); **F25B 2400/075** (2013.01 - EP); **F25B 2600/17** (2013.01 - EP); **F25B 2600/2509** (2013.01 - EP)

Cited by  
CN110173797A; US11268743B2

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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)  
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**EP 3282208 A1 20180214**; **EP 3282208 A4 20181212**; **EP 3282208 B1 20191030**; JP 2016211839 A 20161215; JP 6052456 B2 20161227; WO 2016174874 A1 20161103

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**EP 16786151 A 20160428**; JP 2016002239 W 20160428; JP 2016090897 A 20160428