

Title (en)

Operation control method of refrigeration unit for land transportation

Title (de)

Betriebssteuerungsverfahren für Kühleinheit für Überlandtransporte

Title (fr)

Procédé de contrôle des opérations de l'unité de réfrigération pour transport terrestre

Publication

EP 2075516 B1 20190213 (EN)

Application

EP 08172935 A 20081224

Priority

JP 2007337112 A 20071227

Abstract (en)

[origin: EP2075516A2] An operation control method of a refrigeration unit for land transportation in which a plurality of evaporator units are parallelly connected into a refrigerant circuit (10) for circulating a refrigerant by a compressor (11) driven by a dedicated drive source, and a plurality of different transport temperatures can be respectively created for a plurality of freezing sections which are distributedly arranged with the plurality of evaporator units, comprising: employing throttle mechanisms whose opening degrees are adjustable, as well as providing a low pressure sensor (18) which detects the evaporating pressure of the refrigerant from the evaporator units, for the refrigerant circuit (10); and performing a priority control for lower setpoint temperature which preferentially distributes the refrigerant to an evaporator unit having a lower setpoint temperature, when a plurality of operation requests have been made for a plurality of the evaporator units, during a various temperature cooling operation having different setpoint temperatures for the respective freezing sections.

IPC 8 full level

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Cited by

US2016334142A1; CN113294957A; CN103097833A; EP3557159A1; CN106322912A; EP2420788A3; US2015316313A1; CN107036327A; US10254027B2; CN106352646A; CN106415164A; CN107255385A; US9243819B2; US11435124B2; US11098943B2; EP2363665A3; CN107218749A; CN107560305A; US10337767B2; CN113302438A; EP4079549A1; WO2011134467A3; WO2015114331A1; US10883754B2; US10962273B2; US10976092B2; WO2015105845A1; WO2020160817A1; US9920971B2; US10634409B2

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