

Title (en)

Multi-unit air conditioning system

Title (de)

Klimaanlagensystem mit mehreren Einheiten

Title (fr)

Système de climatisation à plusieurs unités

Publication

EP 2426438 B1 20190710 (EN)

Application

EP 11178952 A 20110826

Priority

JP 2010190396 A 20100827

Abstract (en)

[origin: EP2426438A2] A sufficient cooling capacity can be easily ensured with low costs even when an indoor unit that always performs a cooling operation is provided in an air conditioning system including a plurality of indoor units. An indoor unit 3c that always performs a cooling operation includes a gas pipe pressure control kit 100 including a plurality of electromagnetic valves 101a, 101b and 101c, controls opening/closing of the electromagnetic valves 101a, 101b and 101c according to a suction temperature of a refrigerant, and thus adjusts pressure loss of the refrigerant guided via an indoor heat exchanger 40 through a low-pressure gas pipe 7 to an outdoor unit 1 and adjusts evaporating pressure of the refrigerant in the indoor heat exchanger 40. This can prevent a suction temperature from dropping to below zero, and prevent the indoor heat exchanger 40 from freezing in an indoor unit 3c that performs the cooling operation even when an outside air temperature is low, the other indoor unit 3 performs the heating operation, and the outdoor unit functions as an evaporator.

IPC 8 full level

F25B 13/00 (2006.01); **F25B 29/00** (2006.01)

CPC (source: EP)

F25B 13/00 (2013.01); **F25B 29/003** (2013.01); **F25B 2313/007** (2013.01); **F25B 2313/0233** (2013.01); **F25B 2313/02334** (2013.01)

Cited by

CN106931547A; EP3001122A1; CN113531773A; EP3156743A1; EP2339268A3; EP3315880A4; US10852042B2

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