

Title (en)
MULTIPLE AIR CONDITIONER

Title (de)
MEHRFACH-KLIMAANLAGE

Title (fr)
CLIMATISEUR A UNITES MULTIPLES

Publication
EP 2416090 A1 20120208 (EN)

Application
EP 10758493 A 20100324

Priority
• JP 2010055063 W 20100324
• JP 2009083370 A 20090330

Abstract (en)
A liquid head pressure applied to an electronic expansion valve disposed in front (at the inlet) of an indoor heat exchanger is reduced so as to prevent failure in opening and closing (operation failure) of the electronic expansion valve. In a multi-unit air conditioner (1) including a single outdoor unit (2) and a plurality of indoor units (3) disposed below the outdoor unit (2) and connected to the outdoor unit (2) via a coolant pipe (8), a decompressing mechanism (7) including three electromagnetic on-off valves (22, 23, 24) and three capillary tubes (25, 26, 27) having different lengths is provided near an outlet, for cooling operation, of the outdoor unit (2), and a unit constituted of each electromagnetic on-off valve and each capillary tube connected to the electromagnetic on-off valve is arranged in parallel with the coolant pipe (8).

IPC 8 full level
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Cited by
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