

Title (en)
VARIABLE REFRIGERANT FLOW SYSTEM

Title (de)
VARIABLES KÜHLMITTELSTRÖMUNGSSYSTEM

Title (fr)
SYSTÈME À DÉBIT VARIABLE DE FLUIDE FRIGORIGÈNE

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Application
EP 15887320 A 20151222

Priority
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Abstract (en)
[origin: EP3279576A1] A variable refrigerant flow system, comprising an outdoor unit apparatus (10), a split-flow apparatus (30) and a plurality of indoor unit apparatuses (21, 22, 23, 24), wherein each of the indoor unit apparatuses (21, 22, 23, 24) comprises an indoor heat exchanger (211, 221, 231, 241) and a throttling element (212, 222, 232, 242), the split-flow apparatus (30) comprises a plurality of first control valves (302A, 302B, 302C, 302D) and a plurality of second control valves (303A, 303B, 303C, 303D) corresponding to each of the indoor unit apparatuses (21, 22, 23, 24), and when any one of the indoor unit apparatuses (21, 22, 23, 24) receives a mode switching instruction, the mode switching instruction is sent to the split-flow apparatus (30); and according to the mode switching instruction, the split-flow apparatus (30) determines whether the first control valves (302A, 302B, 302C, 302D) and the second control valves (303A, 303B, 303C, 303D) corresponding to the indoor unit apparatuses (21, 22, 23, 24) are open or closed. The variable flow refrigerant system can effectively reduce the noise produced when the indoor unit apparatuses switch modes, thereby improving the user's degree of comfort.

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