

Title (en)
COOLING SYSTEM AND HEATING SYSTEM

Title (de)
KÄLTEANLAGE UND HEIZSYSTEM

Title (fr)
SYSTÈME DE REFROIDISSEMENT ET SYSTÈME DE CHAUFFAGE

Publication
EP 2977691 A1 20160127 (EN)

Application
EP 13881452 A 20130930

Priority
CN 2013084749 W 20130930

Abstract (en)
A refrigerating system (100) and a heating system (200) are provided. The refrigerating system (100) includes a low back pressure rotary compressor (1), a four-way valve (2), an outdoor heat exchanger (3), an indoor heat exchanger (4), a throttling element (4) and a control valve assembly (6). A shell of the low back pressure rotary compressor (1) is formed with an upper gas suction pipe (S1), a middle gas suction pipe (S2) and an exhaust pipe (D). The control valve assembly (6) is connected with a gas suction valve port (21), the upper gas suction pipe (S1) and the middle gas suction pipe (S2) via a first pipeline (G), a second pipeline (F) and a third pipeline (E) respectively. When the refrigerating system is in a refrigerating mode, the control valve assembly (6) controls a gas suction flow of the third pipeline (E) to be larger than that of the second pipeline (F); when the refrigerating system is in a heating mode, the control valve assembly (6) controls the gas suction flow of the second pipeline (F) to be larger than that of the third pipeline (E).

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