

TEMPERATURE REGULATION SYSTEM WITH HYBRID REFRIGERANT SUPPLY AND REGULATION

ABSTRACT

5 The present invention provides a temperature regulation system with
hybrid refrigerant supply and regulation in which a pressure-reducing
regulator (R100) from an evaporator (EVA100) controlled by a switch
valve (V100) being installed between a condenser (CON100) and the
evaporator (EVA100), and a refrigerant injector (IJ100) being installed
10 between the condenser (CON100) and the evaporator (EVA100), and an
electric control unit (ECU100) being provided for controlling the switch
valve (V100) and the pressure-reducing regulator (R100) or for
controlling the refrigerant injector (IJ100) such that both or at least one
thereof being served to transport the refrigerant (REF100) to the interior
15 or exterior of the evaporator (EVA100).

Figure 6

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