

Title (en)
COOLING AND WARMING SYSTEM

Title (de)
KÜHLUNGS- UND ERWÄRMUNGSSYSTEM

Title (fr)
SYSTÈME DE REFROIDISSEMENT ET DE CHAUFFAGE

Publication
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Application
EP 11786981 A 20110427

Priority
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Abstract (en)
[origin: WO2011149404A1] Cooling and warming system for a device, which system comprises a cooling unit, a warming unit, a temperature sensor adapted to detecting the temperature of the device and to delivering to a control unit a temperature signal based on temperatures detected, and a pipe system arranged to convey a medium for cooling and warming so that the device is respectively cooled and warmed. The system further comprises a reversible pump situated close to the pipe system and adapted to moving the medium in the pipe system in a first direction or in a second direction which is opposite to the first direction, depending on control signals from the control unit. A number of one-way valves are situated close to the respective cooling unit and warming unit in such a way that the flow through the oneway valves passes either the cooling unit or the warming unit, depending on the respective pump direction, the control unit being adapted to delivering to the pump, on the basis of the temperature signal, control signals to pump the medium in a first direction if the device is to be cooled and in a second direction if the device is to be warmed.

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