CLAIMS

1. A cooling system for an electronic device storing apparatus, comprising:

a rack including a plurality of placement shelves to place an electronic device;

a plurality of vaporizers, each vaporizer having a refrigerant internally and being mounted in said rack;

a condensing part being installed outside of said rack and connected with said plurality of vaporizers by a laying pipe;

a plurality of tanks, each tank storing a refrigerant and being connected to a respective vaporizer by a heat exchanger connecting pipe;

a plurality of tank connecting pipes connecting said plurality of tanks;

a condenser pipe connecting a tank placed the top among said plurality of vaporizers and said condensing part; and

a refrigerant adjustment means for adjusting a height of a refrigerant surface in said plurality of vaporizers, wherein

said refrigerant adjustment means includes a plurality of tank fixing plates provided on the side surfaces of each of the plurality of vaporizers along a vertical direction, and

said refrigerant adjustment means adjusts a height of said tank by fixing said tank to any one of the plurality of tank fixing plates.

2. The cooling system of an electronic device storing apparatus according to claim 1, comprising:

a temperature sensor to detect temperature of said rack; and

according to a detection result of said temperature sensor, controlling said refrigerant adjustment means for adjusting a height of said refrigerant surface.

3. A cooling system for an electronic device storing apparatus, comprising:

a rack including a plurality of placement shelves to place an electronic device, said rack being arranged in a building being installed with a plurality of air intake openings and air exhaust openings to take in and exhaust an outside air;

a plurality of vaporizers, each vaporizer having a refrigerant internally and being mounted in said rack;

a condensing part being installed outside said rack and connected with said plurality of vaporizers by a laying pipe;

a plurality of tanks, each tank storing a refrigerant and being connected to a respective vaporizer by a heat exchanger connecting pipe;

a plurality of tank connecting pipes connecting said plurality of tanks;

a condenser pipe connecting a tank placed the top among said plurality of vaporizers and said condensing part; and

a refrigerant adjustment means for adjusting a height of a refrigerant surface in said vaporizer, wherein

said refrigerant adjustment means includes a plurality of tank fixing plates provided on the side surfaces of each of the plurality of vaporizers along a vertical direction, and

said refrigerant adjustment means adjusts a height of said tank by fixing said tank to any one of the plurality of tank fixing plates.

4. The cooling system of an electronic device storing building according to claim 3, wherein a fan is provided in an air exhaust opening of said electronic device storing building.

5. The cooling system of an electronic device storing building according to claim 4,

wherein a temperature sensor to detect temperature of said rack is provided, and, according to a result of said temperature sensor, output of said fan of said electronic device storing building and said refrigerant adjustment means are controlled.

6. A cooling apparatus, comprising:

a plurality of vaporizers having a refrigerant internally;

a condensing part connected with said plurality of vaporizers by a laying pipe;

a plurality of tanks, each tank storing a refrigerant and being connected to a respective vaporizer by a heat exchanger connecting pipe;

a plurality of tank connecting pipes connecting said plurality of tanks;

a condenser pipe connecting a tank placed the top among said plurality of vaporizers and said condensing part; and

a refrigerant adjustment means for adjusting a height of a refrigerant surface in said plurality of vaporizers, wherein

said refrigerant adjustment means includes a plurality of tank fixing plates provided on the side surfaces of each of the plurality of vaporizers along a vertical direction, and

said refrigerant adjustment means adjusts a height of said tank by fixing said tank to any one of the plurality of tank fixing plates.